

SDG's Policies and Sub Policies, Pondicherry University

by Office iqac

Submission date: 16-Oct-2024 05:40PM (UTC+0530)

Submission ID: 2487027162

File name: Policies_of_Sustainable_Development_Goals.pdf (9.6M)

Word count: 56761

Character count: 363833



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policies for “Sustainable Development Goals”



Pondicherry University Goal Specific Policies for Sustainable Development Goals.
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Content

- 1 Policy for **SDG - GOAL 1: No Poverty**
- 2 Policy for **SDG - GOAL 2: Zero Hunger**
- 3 Policy for **SDG - GOAL 3: Good Health and Well-being**
- 4 Policy for **SDG - GOAL 4: Quality Education**
- 5 Policy for **SDG - GOAL 5: Gender Equality**
- 6 Policy for **SDG - GOAL 6: Clean Water and Sanitation**
- 7 Policy for **SDG - GOAL 7: Affordable and Clean Energy**
- 8 Policy for **SDG - GOAL 8: Decent Work and Economic Growth**
- 9 Policy for **SDG - GOAL 9: Industry, Innovation, and Infrastructure**
- 10 Policy for **SDG - GOAL 10: Reduced Inequality**
- 11 Policy for **SDG - GOAL 11: Sustainable Cities and Communities**
- 12 Policy for **SDG - GOAL 12: Responsible Consumption and Production**
 - 12.1 • Policy for Solid Waste
 - 12.2 • Policy for Plastic Waste
 - 12.2.1. • SOP - Plastic Waste Minimization, Handling, & Management
 - 12.3 • Policy for Biomedical Waste
 - 12.4 • Policy for Sanitary Napkin Waste
 - 12.5 • Policy for E-Waste
 - 12.6 • Policy for Hazardous and Chemicals Waste
 - 12.7 • Policy for Event Organizer
 - 12.8 • Policy for Food
 - 12.9 • Policy for Sustainable Purchasing
- 13 Policy for **SDG - GOAL 13: Climate Action**
 - 13.1 • Policy for Horticulture and Other Agricultural Activities
- 14 Policy for **SDG - GOAL 14: Life Below Water**
- 15 Policy for **SDG - GOAL 15: Life on Land**
- 16 Policy for **SDG - GOAL 16: Peace, Justice, and Strong Institutions**
- 17 Policy for **SDG - GOAL 17: Partnerships for the Goal**





Pondicherry University

R. Venkataraman Nagar

Chinna Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 1: No Poverty”



Pondicherry University Goal-Specific Policy for “SDG 1: No Poverty”,
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading

Pondicherry University Goal-Specific Policy for “SDG 1: No Poverty”

Introduction

Established in 1985, Pondicherry University is a Central University covering the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its primary goals encompass advancing knowledge through teaching and research, offering courses in diverse fields, and fostering interdisciplinary studies. The university's main campus, spanning 780 acres in Kalapet, is supplemented by satellite campuses in Karaikal, Mahe, and Port Blair. Collaborative agreements with international institutions, industries, and research-focused NGOs have been established for faculty development, collaboration, and cooperation.

Pondicherry University recognizes the significance of addressing poverty to harness the potential of its students for driving positive societal changes. The university is dedicated to partnering with relevant stakeholders to implement social protection systems, enhancing the resilience of vulnerable individuals, and contributing to the global objective of eradicating multidimensional poverty.

Aligned with SDG 1: No Poverty, the university is committed to equitable practices by providing financial assistance and aid to students from low-income backgrounds, marginalized groups, and those below the poverty line. Through a range of programs and endeavors, the university aims to support these students in completing their education and improving their access to essential resources like nourishing food and clean water.

Policy Statement

Pondicherry University is dedicated to implementing comprehensive strategies that aid the student population hailing from underprivileged and susceptible backgrounds, aligning with the targets of SDG 1 to eradicate poverty.

Target

The university intends to extend its outreach to students and communities across its main campus, satellite campuses, off-campus centers, and affiliated institutions. This outreach will be conducted through fair collaborations involving government departments, pertinent stakeholders, and collaborative task forces.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall as an act of justice uphold SDG 1: No Poverty as the key to unlocking an enormous student's potential to catalyze and evolve ways to feed the undernourished, and hungry, wipe out seasonal and climatic diseases, and give everyone a better chance to prosper and live a productive and rich life.
2. Pondicherry University shall provide fellowship/ scholarship/ financial aid to students belonging to low-income groups, weaker sections, those below the poverty line, and marginalized communities through various schemes under the University Grants Commission, Ministry of Education, and other relevant Ministries and Departments.
3. Pondicherry University shall in addition to male, emphasize education to female students and transgenders belonging to the mentioned categories and provide support like food, hostel, transportation, psychological support, and sports facilities to enable them to complete their studies.
4. Pondicherry University shall in collaboration with its relevant departments, local government, and reputed non-government organizations implement social protection systems substantially covering the poor, marginalized, and vulnerable groups.





5. Pondicherry University shall establish a Legal Service Clinic in collaboration with the Legal Services Authority to provide legal services for the students during their study at the university.
6. Pondicherry University shall evolve a scheme through Inter-university programs to arrange grants or other wise offer joint grant support for poor students from low or lower-middle-income countries.
7. Pondicherry University shall in all its dimensions catalyze and assist the local communities and poor students to commission start-ups, and eco-entrepreneurship to reduce the proportion of all ages living in poverty and to sustain their livelihood and end poverty.
8. Pondicherry University shall develop green skill development programs, certificate courses, and training workshops, for a financially and socially sustainable platform irrespective of their study discipline, and provide access to university research and other academic facilities and e-resources during and after completion of their study.
9. Pondicherry University shall provide capacity-building or training programs for those belonging to low-income groups, those below the poverty line, and marginalized communities to improve their access to nutritious food, and quality water, for healthy living.
10. Pondicherry University shall develop 'Earn While You Learn' schemes or programs or initiatives to earn their living during their study and extend support through Placement Cell and Industry-Institute Interface Programs beyond their study.
11. Pondicherry University shall establish a separate division or office and secure adequate funds and in-kind services and contributions from alumni and others, to provide, monitor, and help the students to end poverty in all its dimensions and to support pro-poor and gender-sensitive development.
12. Pondicherry University shall collaborate with the local and national governments and reputed non-government organizations, charitable trusts, and societies in policy drafting and other services to build the resilience of the poor in vulnerable situations and reduce their exposure to climate-related extreme events, environmental shocks, and disasters.





Contributors

8

Dr. A Shahin Sultana

Professor

Department of Social Work

Pondicherry University

https://www.pondiuni.edu.in/faculy_profiles/dr-a-shahin-sultana/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculy_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator - Internal Quality Assurance Cell

All University Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculy_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departement/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-1: No Poverty”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-1-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-1-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 10: Reduced Inequalities”



Pondicherry University Goal Specific Policy for “SDG 10: Reduced Inequalities”.
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 10: Reduced Inequalities”

Introduction Pondicherry University, founded in 1985, is a Central University that covers the jurisdiction of the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its goals encompass advancing knowledge through teaching and research, delivering courses in Humanities, Sciences, and Engineering, and encouraging interdisciplinary studies and research. The primary campus of the University is situated in Kalapet, spanning over 780 acres, and it also maintains satellite campuses in Karaikal, Mahe, and Port Blair. Collaborative agreements and faculty development partnerships have been established between the University and numerous international institutions, industries, and research-oriented non-governmental organizations.

SDG 10: Reduced Inequalities holds significant importance for Pondicherry University, as it envisions the establishment of an all-encompassing and just society. The university's objective is to ensure equal prospects for all its students and staff, irrespective of their origins, ethnicity, gender, faith, or any distinguishing trait. The institution is committed to eradicating bias and guaranteeing that everyone has equal access to excellent education, job opportunities, and resources to fulfill their maximum potential.

Pondicherry University is dedicated to upholding SDG 10, in alignment with its fundamental principles of inclusivity and variety. The university is focused on developing policies and practices that do not perpetuate disparities, but rather create an equitable platform for all. By adhering to SDG 10, Pondicherry University will endorse social justice and contribute to the creation of a more impartial and just society, both within its campus and the larger community.

Policy Statement Pondicherry University is dedicated to implementing comprehensive measures to aid students and communities in addressing Reduced Inequalities across all aspects of life, both within and beyond the campus, in alignment with the targets of this goal.

Target The university will actively engage with its students and communities, utilizing its primary campus, satellite campuses, off-campus centers, and affiliated institutions, all while fostering an equitable collaboration⁴⁷ with governmental bodies, pertinent stakeholders, and task forces dedicated to the realization of the Sustainable Development Goals (SDGs) at various tiers.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 10: Reduced Inequalities to end financial and social discrimination and reduce income inequalities by raising the minimum pay level of contract workers regardless of gender, race, religious beliefs, or economic status.
2. Pondicherry University shall educate and empower youth on ³⁹ social, economic, and political inclusion of all, irrespective of age, sex, disability, race, ethnicity, origin, religion, or economic status, and ensure equal opportunities without discrimination.
3. Pondicherry University shall encourage and catalyze ⁸⁹ alumni participation in development assistance and investment in the least developed countries in accordance with both countries' national plans and programs fostering equality and prosperity.
4. Pondicherry University shall in line with the general procedure, establish a special corridor to considerably increase the number of first-generation students, international students from developing countries, and students with disabilities to pursue higher studies and provide mentoring, and necessary support in this regard.
5. Pondicherry University shall employ persons with disabilities without discrimination and harassment in any manner and provide mentoring, counseling, and peer support as and when required along with special services and accessible facilities.





6. Pondicherry University shall track and measure applications & admissions of under-represented groups including ethnic minorities, low-income students, non-traditional students, women, LGBT students, disabled students, and newly settled refugee students, and provide full support for their study without discrimination.
7. Pondicherry University shall have a dedicated committee, office, and/or officer to advise on and implement policies, programs, and pieces of training related to diversity, equity, inclusion, and human rights on campus and outreach.
8. Pondicherry University shall act on reasonable waiving-off accommodation and other fees for physically challenged and marginalized people.





Contributors

Dr. M. Thanuja

Professor

Centre for Study of Social Exclusion & Inclusive Policy

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-m-thanuja-assistant/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-10: Reduced Inequalities”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-10-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-10-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal Specific Policy for “SDG 10: Reduced Inequalities”.
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 11: Sustainable Cities and Communities”

11 SUSTAINABLE CITIES AND COMMUNITIES



Pondicherry University Goal-Specific Policy for “SDG 11: Sustainable Cities and Communities”,
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



39

Policy Heading Pondicherry University Goal-Specific Policy for “SDG 11: Sustainable Cities and Communities”.

Introduction Pondicherry University, established in 1985, functions as a Central University and holds authority over the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its primary aims encompass advancing knowledge through teaching and research, delivering courses in Humanities, Sciences, and Engineering, and fostering interdisciplinary studies and research. Situated in Kalapet, the main campus sprawls across 780 acres, and it operates additional campuses in Karaikal, Mahe, and Port Blair. Collaborative agreements, in the form of MOUs, have been established with various international institutions, industries, and research-oriented NGOs, with the intent of facilitating cooperation and faculty enrichment.

Recognizing the significance of cultivating sustainable urban environments for the present and forthcoming generations, Pondicherry University is deeply committed to assuming a leadership role in advancing sustainable development and urbanization within the region. By partnering with local authorities, community associations, and non-governmental organizations, the university is actively engaged in ensuring equitable access to fundamental services, cost-effective housing options, environmentally clean and renewable energy sources, sustainable modes of transportation, and readiness for potential disasters.

In alignment with Sustainable Development Goal 11, Pondicherry University is intently focused on enhancing the quality of life for urban inhabitants by championing inclusive and sustainable urban growth. This endeavor encompasses the establishment of secure, accessible, and verdant public spaces, facilitation of affordable and sustainable housing availability, and enhancement of urban infrastructure to support sustainable transportation systems and mitigate environmental deterioration. Additionally, the university is dedicated to cultivating awareness about the significance of sustainable urbanization while fostering expertise in urban planning and management, thereby ensuring the enduring sustainability of our cities and communities.

Policy Statement Pondicherry University is unwavering in its dedication to providing steadfast support to its students and communities in the pursuit of Sustainable Cities and Communities, aligning seamlessly with the specific objectives of this goal.

Target The University's proactive involvement will ensure a comprehensive approach to promoting Sustainable Cities and Communities, fostering a cohesive partnership that spans educational and communal settings. This endeavor resonates with the overarching mission of the SDGs, reflecting Pondicherry University's earnest commitment to effecting positive change in urban and communal environments for the collective well-being of all.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 11: Sustainable Cities and Communities and ensure intelligent eco-campus planning, by implementing safe, affordable, and resilient developmental strategies with green and culturally inspiring living conditions and affordable housing for employees, and students.
2. Pondicherry University shall through its relevant departments strengthen efforts to protect and safeguard the world's cultural and natural heritage while developing natural heritage landscapes of cultural significance within the university, and its satellite campuses.
3. Pondicherry University shall pay special care and attention to improving air quality, land management, and waste management to reduce the adverse per capita environmental impact of cities.
4. Pondicherry University shall a coastal central university extend support to the regional and national government to significantly reduce the number of deaths and the number of people affected by disasters, including water-related disasters, focusing on protecting the poor and people in vulnerable situations, and also shall support all at all levels in disaster preparedness.





5. Pondicherry University shall make every effort to undertake actions to promote the percentage of more sustainable commuting through the provision of free or subsidized buses, preferential parking for carpool or vanpool users, provision of electric vehicle recharging stations, preferred parking for fuel-efficient vehicles and prioritize pedestrian access on campus, cycling, and other non-motorized transport within the university.
6. Pondicherry University shall provide free public access to libraries including books and publications, research departments/ facilities, museums, exhibition spaces, scientific galleries, works of art and artifacts, and green spaces in particular for women and children, older persons, and persons with disabilities.
7. Pondicherry University shall contribute to public performances and deliver research projects to record and/or preserve intangible cultural heritage such as local folklore, traditions, language, and knowledge.
8. Pondicherry University shall work with local authorities to bring about positive economic, social, and environmental links between urban, peri-urban, and rural areas by strengthening national and regional development planning, mitigation and adaptation to climate change, and resilience to disasters in line with national and international frameworks.
9. Pondicherry University shall build new buildings on the new layout and on brownfield sites adhering to the sustainable standards recommended by national authorities and/or the World Green Building Council.
10. Pondicherry University shall in collaboration with non-governmental organizations, government departments, and relevant stakeholders evolve, practice, and recommend strategies to minimize the 'urban heat island effect', 'soil compaction', and 'water pollution', while complementing Paris Agreement, and Decade on Ecosystem Restoration.





Contributors

Dr. T. Ganesh

Assistant Professor

Department of Ocean Studies and Marine Biology

Brookshabad Campus,

Andaman & Nicobar Islands

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-t-ganesh/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for
“SDG-11: Sustainable Cities and Communities”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-11-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-11-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

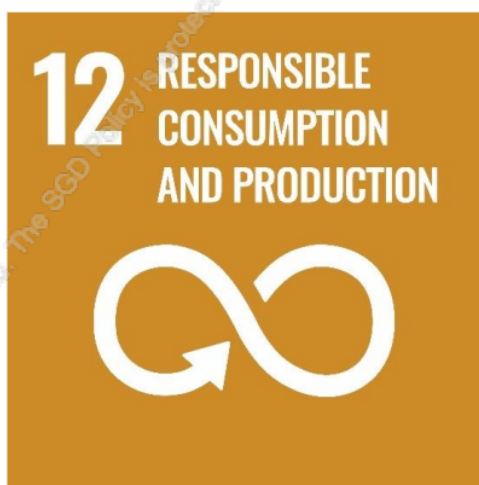
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for
“SDG 12: Responsible Consumption and Production”



Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”,
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”

Introduction Established in 1985, Pondicherry University is designated as a Central University, exercising its authority over the Union Territory of Puducherry, Lakshadweep, and the Andaman and Nicobar Islands. Its mission encompasses the advancement of knowledge through scholarly instruction and research, offering an array of courses spanning Humanities, Sciences, and Engineering, as well as promoting interdisciplinary exploration and research. The University's primary campus, occupying a substantial 780-acre expanse in Kalapet, serves as its nucleus, complemented by satellite campuses situated in Karaikal, Mahe, and Port Blair. Collaborative agreements, manifesting as MOUs, have been solidified with diverse International Institutions, industries, and research-driven NGOs, with the primary objective of fostering collaboration and enhancing faculty development.

The significance of Goal 12, which centers on establishing sustainable patterns of consumption and production, cannot be overstated in addressing the contemporary environmental and societal challenges we face. The rampant depletion of natural resources and the generation of waste and pollutants present a grave peril to the planet and its inhabitants. Goal 12 aims to counteract this by advocating for sustainable practices in consumption and production, with the ultimate goals of reducing our ecological footprint, conserving vital resources, and safeguarding the environment.

For Pondicherry University, the embrace of Goal 12 is pivotal in ensuring that its operations and conduct are marked by sustainability, responsibility, and alignment with its overarching commitment to sustainable development. This undertaking encompasses multifaceted strategies, including waste and pollution reduction, the promotion of renewable energy sources, the curtailment of greenhouse gas emissions, and the adoption of circular economy principles that prioritize the repurposing, recycling, and reutilization of materials. Moreover, the university diligently formulates Goal 12 specific sub-policies, protocols, and standard operating procedures tailored to address various types of waste, such as solid waste, plastic waste, biomedical waste, sanitary napkins, hazardous waste, chemical waste, food waste, waste generated by event organizers, and e-waste. This meticulous approach underscores Pondicherry University's resolute dedication to operationalizing sustainable consumption and production patterns in its sphere of influence.

Policy Statement Pondicherry University is deeply committed to actively promoting Responsible Consumption and Production, undertaking comprehensive efforts to support its students and communities across all aspects of life, both within and beyond the campus environment.

Target By extending its outreach and partnerships, Pondicherry University endeavors to instill responsible consumption habits and sustainable production methods both within its academic sphere and across the larger community at all levels.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 12: Responsible Consumption and Production to ensure sustainable consumption and production patterns in all the sectors of the campus that will prevent and reverse the harm that has been inflicted on the earth.
2. Pondicherry University shall implement the sustainable on-campus consumption and production and waste management framework ensuring resource availability, resource conservation, pollution minimization, and prevention.
3. Pondicherry University shall develop an action plan covering the water-air-food-energy-biodiversity-resources nexus to achieve sustainable management and efficient use of natural resources, and substantially reduce waste generation through prevention, reduction, recycling, and reuse.
4. Pondicherry University shall develop separate sub-policies, protocols, and standard operating procedures for solid, plastic, biomedical, sanitary napkins, chemicals, hazardous, food, event organizer, and e-waste for the operation process, waste generation, management, and disposal and have a separate dedicated office/ officer to measure the amount of waste generated, up-cycled, downcycled, reused, or sent to landfill adhering to Rules and Bye-laws.
5. Pondicherry University shall achieve the environmentally sound management of chemicals and all wastes throughout their life cycle within the campus, in accordance with the national and regional Acts, Rules, Bye-laws, and International Frameworks, to significantly reduce their release to air, water, and soil and to minimize their adverse impacts on human, animals, and environmental health.





6. Pondicherry University shall in accordance with national policies and priorities, identify and select companies providing warranties like: 'extended producer responsibility', 'buy back', and 'waste take back', for all of its procurement practices to ensure sustainability and circular economy.
7. Pondicherry University shall educate and ensure that students and staff ⁴⁵ have the relevant information and awareness on sustainable development and sustainable lifestyles in harmony with nature, and promote the same to local communities in collaboration with diverse actors complementing various missions of the government.
8. Pondicherry University shall provide green skills and green capacity promoting local culture and producing local products, creating green jobs and ecopreneurs, for the ecotourism industry, and develop and implement tools to monitor sustainable development impacts for ecotourism.
9. Pondicherry University shall strengthen ⁶⁶ the faculties and students' scientific and technological knowledge to adopt more sustainable patterns of consumption, production, and management and to encourage the same in schools, colleges, industries, and neighboring communities.
10. Pondicherry University shall educate and provide guidance to the outsourced service providers and the supply chain contractors like food caterers (mess, event organizer, and canteens), housekeeping, sanitation/cleaning, security guards, suppliers of equipment, stationary, and building contractors, on ethical sourcing of food and other supplies and to provide service in a responsible manner by generating less and manageable waste.
11. Pondicherry University shall develop certificate courses on sustainable waste management and provide training and capacity building for resource recycling and business endeavors.





Contributors

81

Dr. Joseph Selvin

Professor

Department of Microbiology

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-joseph-selvin/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for
SDG-12: Responsible Consumption and Production, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”,
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

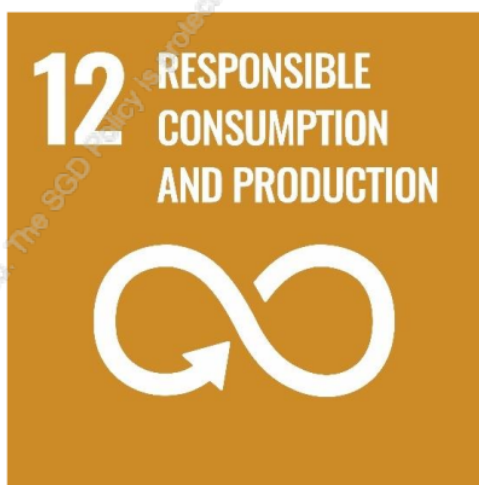
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

³⁷ Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”





Policy Heading Pondicherry University Goal-Specific Policy for “**SDG 12: Responsible Consumption and Production**”

Introduction Established in 1985, Pondicherry University is designated as a Central University, exercising its authority over the Union Territory of Puducherry, Lakshadweep, and the Andaman and Nicobar Islands. Its mission encompasses the advancement of knowledge through scholarly instruction and research, offering an array of courses spanning Humanities, Sciences, and Engineering, as well as promoting interdisciplinary exploration and research. The University's primary campus, occupying a substantial 780-acre expanse in Kalapet, serves as its nucleus, complemented by satellite campuses situated in Karaikal, Mahe, and Port Blair. Collaborative agreements, manifesting as MOUs, have been solidified with diverse International Institutions, industries, and research-driven NGOs, with the primary objective of fostering collaboration and enhancing faculty development.

The significance of Goal 12, which centers on establishing sustainable patterns of consumption and production, cannot be overstated in addressing the contemporary environmental and societal challenges we face. The rampant depletion of natural resources and the generation of waste and pollutants present a grave peril to the planet and its inhabitants. Goal 12 aims to counteract this by advocating for sustainable practices in consumption and production, with the ultimate goals of reducing our ecological footprint, conserving vital resources, and safeguarding the environment.

For Pondicherry University, the embrace of Goal 12 is pivotal in ensuring that its operations and conduct are marked by sustainability, responsibility, and alignment with its overarching commitment to sustainable development. This undertaking encompasses multifaceted strategies, including waste and pollution reduction, the promotion of renewable energy sources, the curtailment of greenhouse gas emissions, and the adoption of circular economy principles that prioritize the repurposing, recycling, and reutilization of materials. Moreover, the university diligently formulates Goal 12 specific sub-policies, protocols, and standard operating procedures tailored to address various types of waste, such as solid waste, plastic waste, biomedical waste, sanitary napkins, hazardous waste, chemical waste, food waste, waste generated by event organizers, and e-waste. This meticulous approach underscores Pondicherry University's resolute dedication to operationalizing sustainable consumption and production patterns in its sphere of influence.

Policy Statement Pondicherry University is deeply committed to actively promoting Responsible Consumption and Production, undertaking comprehensive efforts to support its students and communities across all aspects of life, both within and beyond the campus environment.

Target By extending its outreach and partnerships, Pondicherry University endeavors to instill responsible consumption habits and sustainable production methods both within its academic sphere and across the larger community at all levels.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 12: Responsible Consumption and Production to ensure sustainable consumption and production patterns in all the sectors of the campus that will prevent and reverse the harm that has been inflicted on the earth.
2. Pondicherry University shall implement the sustainable on-campus consumption and production and waste management framework ensuring resource availability, resource conservation, pollution minimization, and prevention.
3. Pondicherry University shall develop an action plan covering the water-air-food-energy-biodiversity-resources nexus to achieve sustainable management and efficient use of natural resources, and substantially reduce waste generation through prevention, reduction, recycling, and reuse.
4. Pondicherry University shall develop separate sub-policies, protocols, and standard operating procedures for solid, plastic, biomedical, sanitary napkins, chemicals, hazardous, food, event organizer, and e-waste for the operation process, waste generation, management, and disposal and have a separate dedicated office/ officer to measure the amount of waste generated, up-cycled, downcycled, reused, or sent to landfill adhering to Rules and Bye-laws.
5. Pondicherry University shall achieve the environmentally sound management of chemicals and all wastes throughout their life cycle within the campus, in accordance with the national and regional Acts, Rules, Bye-laws, and International Frameworks, to significantly reduce their release to air, water, and soil and to minimize their adverse impacts on human, animals, and environmental health.





6. Pondicherry University shall in accordance with national policies and priorities, identify and select companies providing warranties like: 'extended producer responsibility', 'buy back', and 'waste take back', for all of its procurement practices to ensure sustainability and circular economy.
7. Pondicherry University shall educate and ensure that students and staff ⁴⁵ have the relevant information and awareness on sustainable development and sustainable lifestyles in harmony with nature, and promote the same to local communities in collaboration with diverse actors complementing various missions of the government.
8. Pondicherry University shall provide green skills and green capacity promoting local culture and producing local products, creating green jobs and ecopreneurs, for the ecotourism industry, and develop and implement tools to monitor sustainable development impacts for ecotourism.
9. Pondicherry University shall strengthen ⁶⁶ the faculties and students' scientific and technological knowledge to adopt more sustainable patterns of consumption, production, and management and to encourage the same in schools, colleges, industries, and neighboring communities.
10. Pondicherry University shall educate and provide guidance to the outsourced service providers and the supply chain contractors like food caterers (mess, event organizer, and canteens), housekeeping, sanitation/cleaning, security guards, suppliers of equipment, stationary, and building contractors, on ethical sourcing of food and other supplies and to provide service in a responsible manner by generating less and manageable waste.
11. Pondicherry University shall develop certificate courses on sustainable waste management and provide training and capacity building for resource recycling and business endeavors.





Contributors

81

Dr. Joseph Selvin

Professor

Department of Microbiology

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-joseph-selvin/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for
SDG-12: Responsible Consumption and Production, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”,
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

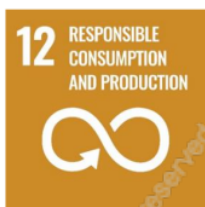
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

**Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production -
“SDG 12.1 - Policy for Sustainable Solid Waste Management”**



**RECYCLE
REUSE
REDUCE**



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.1 - Policy for Sustainable Solid Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption & Production - “SDG 12.1 - Policy for Sustainable Solid Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs all geared towards fostering cooperation and enriching faculty development.

The university's dedication to advancing Sustainable Development Goal (SDG) 12: Responsible Consumption and Production entails the incorporation of various supplementary measures. Aligned with the specific objective elucidated in SDG 12, the "Sustainable Solid Waste Management Policy" closely aligns as a sub-policy SDG 12.1. SDG 12.1 seeks to achieve a reduction in solid waste, promote efficient resource utilization, and embrace sustainable management approaches. This is exemplified in how the management of solid waste within the university campus corresponds to SDG 12: the adoption of green campus initiatives aimed at establishing a "nature-positive university" can impact student behaviors and consumption habits, nurturing a generation of environmentally conscious individuals who carry these principles into both their personal and professional spheres. By prioritizing the operational and maintenance aspects of the campus, university grounds play a pivotal role in cultivating awareness, education, and concrete steps that align with SDG 12.

The initiatives focused on creating a green campus encompass a range of benefits. They educate individuals, heighten consciousness, advocate for sustainable methodologies, contribute to research and ingenuity, and potentially bolster the safeguarding of national natural resources by fostering a culture of responsible consumption and production. Given that campuses mirror broader societies in miniature, their endeavors can exert influence on wider attitudes and behaviors concerning environmental sustainability, thereby impacting the well-being of current and upcoming generations.

Policy Statement Pondicherry University is committed to taking proactive measures to ensure that campus operation and maintenance are sustainably done. In addition, also promotes source segregation, sorting, and up/down cycling, to significantly reduce the health impact on the environment, wildlife, and humans.

Target Pondicherry University leads the way in championing this noble effort. Its unwavering commitment to both environmental sustainability and safeguarding the nation's natural resources serves as a motivating force for impactful change across all tiers.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall make every endeavor to strictly adhere to the Solid Waste Management Rules, 2016, and its amendment from time to time and streamline the ongoing campus operations for sustainability with regard to the Green Protocol, Rules, and UGC Mandate to protect and conserve the campus soil, water, and biodiversity by embracing the targets of multiple SDG.
2. Pondicherry University shall provide awareness education which is pivotal for all stakeholders to deal with the multiple challenges of climate change, resource efficiency, and management of our growing legacy of waste and environmental pollution.
3. Pondicherry University shall engage an authorized recycler, empaneled reputed agency, and research-based non-government organization to provide effective waste management services in compliance with the applicable Rules and Bye-Laws: to recover energy (biogas) and nutrients (compost & vermicompost) from dry and organic fraction and similarly, recycling of dry wastes like plastics, glass, papers, boards, tin, etc. through recyclers, to reduce the volume of waste generated and sent to landfill, and to speed up the implementation by a dedicated office and team through fast track mode.
4. Pondicherry University shall have separate policies and action plans for sustainable management of plastic waste, biomedical waste, sanitary napkin waste, e-waste, hazardous waste, horticulture waste, event organizers, and food.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.1 - Policy for Sustainable Solid Waste Management"

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023



5. Pondicherry University shall have a sustainable system to source segregate, sort, secondary storage facility, material recovery facility, transportation, etc. by adhering to the Rules and Bye-Laws.
6. Pondicherry University shall refabricate the procurement procedures and incorporate an assessment of the environmental impact of purchases throughout their life cycle and encourage the use of producers and suppliers who follow environmentally responsible practices.
7. Pondicherry University shall collect a 'user fee' and impose a 'fine' with regard to the 'Polluter Pay Principle' and/ or as applicable under the Rules, Amendments, and Bye-Laws.
8. Pondicherry University shall through the Hostel Office monitor the waste generation in the hostels, and the way it is source segregated, sorted, and managed, and shall provide monthly reports to the university.
9. Pondicherry University shall through the Hostel Office instruct the students to take away all of their belongings like beds, tables, blankets, books, boards, buckets, etc. Leaving their belongings as waste shall attract the Polluter Pay Principle.
10. Pondicherry University shall instruct the Quarters Dwellers to source segregate and hand over to the waste management personnel and shall not mix or litter on the campus ground, if so shall attract the 'Polluter Pay Principle'.
11. Pondicherry University shall instruct the Manager and Supervisors of the Guest Houses and Convention Centers to collect a 'user fee' for the provision of appropriate waste collection and management facilities and sign boards at strategic locations.
12. Pondicherry University shall instruct the service providers like the canteen, mess, cafeteria, teashop, and event organizers to manage their waste on their own in accordance with applicable Rules and SOP. If the same is to be managed by the university the solid waste shall be source segregated and handed over to the waste management personnel by paying a 'user fee' as applicable under the Rules and shall not mix or litter on the campus ground, if so shall attract the 'Polluter Pay Principle'.
13. Pondicherry University shall establish a dedicated office to monitor, track, periodically audit and measure its environmental performance and conduct research on solid waste implications and its upcycling/ down-cycling possibilities by collaborating with research-based non-government organizations, institutions, industries, and government departments.
14. Pondicherry University shall periodically conduct multiple inventories related to solid waste and evolve strategies to minimize resource consumption and waste production.
15. Pondicherry University shall provide certificate courses and green skill development programs on Sustainable Solid Waste Management.





Contributors

Dr. S. Gajalakshmi

Professor

Centre for Pollution Control and Environmental Engineering

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-s-gajalakshmi/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for
SDG 12: Responsible Consumption and Production – “SDG 12.1 - Policy for Sustainable Solid Waste Management”
Goal Specific Sub-Policy SDG-12.1. Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.1-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.1-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.1 - Policy for Sustainable Solid Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023



Pondicherry University

R. Venkataraman Nagar

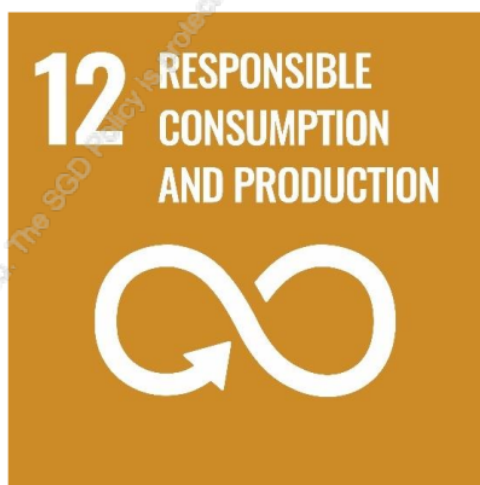
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

³⁷ Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”



Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”,
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”

Introduction Established in 1985, Pondicherry University is designated as a Central University, exercising its authority over the Union Territory of Puducherry, Lakshadweep, and the Andaman and Nicobar Islands. Its mission encompasses the advancement of knowledge through scholarly instruction and research, offering an array of courses spanning Humanities, Sciences, and Engineering, as well as promoting interdisciplinary exploration and research. The University's primary campus, occupying a substantial 780-acre expanse in Kalapet, serves as its nucleus, complemented by satellite campuses situated in Karaikal, Mahe, and Port Blair. Collaborative agreements, manifesting as MOUs, have been solidified with diverse International Institutions, industries, and research-driven NGOs, with the primary objective of fostering collaboration and enhancing faculty development.

The significance of Goal 12, which centers on establishing sustainable patterns of consumption and production, cannot be overstated in addressing the contemporary environmental and societal challenges we face. The rampant depletion of natural resources and the generation of waste and pollutants present a grave peril to the planet and its inhabitants. Goal 12 aims to counteract this by advocating for sustainable practices in consumption and production, with the ultimate goals of reducing our ecological footprint, conserving vital resources, and safeguarding the environment.

For Pondicherry University, the embrace of Goal 12 is pivotal in ensuring that its operations and conduct are marked by sustainability, responsibility, and alignment with its overarching commitment to sustainable development. This undertaking encompasses multifaceted strategies, including waste and pollution reduction, the promotion of renewable energy sources, the curtailment of greenhouse gas emissions, and the adoption of circular economy principles that prioritize the repurposing, recycling, and reutilization of materials. Moreover, the university diligently formulates Goal 12 specific sub-policies, protocols, and standard operating procedures tailored to address various types of waste, such as solid waste, plastic waste, biomedical waste, sanitary napkins, hazardous waste, chemical waste, food waste, waste generated by event organizers, and e-waste. This meticulous approach underscores Pondicherry University's resolute dedication to operationalizing sustainable consumption and production patterns in its sphere of influence.

Policy Statement Pondicherry University is deeply committed to actively promoting Responsible Consumption and Production, undertaking comprehensive efforts to support its students and communities across all aspects of life, both within and beyond the campus environment.

Target By extending its outreach and partnerships, Pondicherry University endeavors to instill responsible consumption habits and sustainable production methods both within its academic sphere and across the larger community at all levels.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 12: Responsible Consumption and Production to ensure sustainable consumption and production patterns in all the sectors of the campus that will prevent and reverse the harm that has been inflicted on the earth.
2. Pondicherry University shall implement the sustainable on-campus consumption and production and waste management framework ensuring resource availability, resource conservation, pollution minimization, and prevention.
3. Pondicherry University shall develop an action plan covering the water-air-food-energy-biodiversity-resources nexus to achieve sustainable management and efficient use of natural resources, and substantially reduce waste generation through prevention, reduction, recycling, and reuse.
4. Pondicherry University shall develop separate sub-policies, protocols, and standard operating procedures for solid, plastic, biomedical, sanitary napkins, chemicals, hazardous, food, event organizer, and e-waste for the operation process, waste generation, management, and disposal and have a separate dedicated office/ officer to measure the amount of waste generated, up-cycled, downcycled, reused, or sent to landfill adhering to Rules and Bye-laws.
5. Pondicherry University shall achieve the environmentally sound management of chemicals and all wastes throughout their life cycle within the campus, in accordance with the national and regional Acts, Rules, Bye-laws, and International Frameworks, to significantly reduce their release to air, water, and soil and to minimize their adverse impacts on human, animals, and environmental health.





6. Pondicherry University shall in accordance with national policies and priorities, identify and select companies providing warranties like: ‘extended producer responsibility’, ‘buy back’, and ‘waste take back’, for all of its procurement practices to ensure sustainability and circular economy.
7. Pondicherry University shall educate and ensure that students and staff ⁴⁵ have the relevant information and awareness on sustainable development and sustainable lifestyles in harmony with nature, and promote the same to local communities in collaboration with diverse actors complementing various missions of the government.
8. Pondicherry University shall provide green skills and green capacity promoting local culture and producing local products, creating green jobs and ecopreneurs, for the ecotourism industry, and develop and implement tools to monitor sustainable development impacts for ecotourism.
9. Pondicherry University shall strengthen ⁶⁶ the faculties and students’ scientific and technological knowledge to adopt more sustainable patterns of consumption, production, and management and to encourage the same in schools, colleges, industries, and neighboring communities.
10. Pondicherry University shall educate and provide guidance to the outsourced service providers and the supply chain contractors like food caterers (mess, event organizer, and canteens), housekeeping, sanitation/cleaning, security guards, suppliers of equipment, stationary, and building contractors, on ethical sourcing of food and other supplies and to provide service in a responsible manner by generating less and manageable waste.
11. Pondicherry University shall develop certificate courses on sustainable waste management and provide training and capacity building for resource recycling and business endeavors.





Contributors

81

Dr. Joseph Selvin

Professor

Department of Microbiology

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-joseph-selvin/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for
SDG-12: Responsible Consumption and Production, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Policy for “SDG 12: Responsible Consumption and Production”,
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

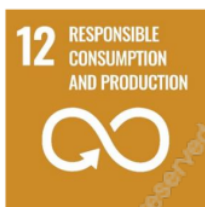
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - “SDG 12.1 - Policy for Sustainable Solid Waste Management”



RECYCLE
REUSE
REDUCE



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.1 - Policy for Sustainable Solid Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption & Production - “SDG 12.1 - Policy for Sustainable Solid Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs all geared towards fostering cooperation and enriching faculty development.

The university's dedication to advancing Sustainable Development Goal (SDG) 12: Responsible Consumption and Production entails the incorporation of various supplementary measures. Aligned with the specific objective elucidated in SDG 12, the "Sustainable Solid Waste Management Policy" closely aligns as a sub-policy SDG 12.1. SDG 12.1 seeks to achieve a reduction in solid waste, promote efficient resource utilization, and embrace sustainable management approaches. This is exemplified in how the management of solid waste within the university campus corresponds to SDG 12: the adoption of green campus initiatives aimed at establishing a "nature-positive university" can impact student behaviors and consumption habits, nurturing a generation of environmentally conscious individuals who carry these principles into both their personal and professional spheres. By prioritizing the operational and maintenance aspects of the campus, university grounds play a pivotal role in cultivating awareness, education, and concrete steps that align with SDG 12.

The initiatives focused on creating a green campus encompass a range of benefits. They educate individuals, heighten consciousness, advocate for sustainable methodologies, contribute to research and ingenuity, and potentially bolster the safeguarding of national natural resources by fostering a culture of responsible consumption and production. Given that campuses mirror broader societies in miniature, their endeavors can exert influence on wider attitudes and behaviors concerning environmental sustainability, thereby impacting the well-being of current and upcoming generations.

Policy Statement Pondicherry University is committed to taking proactive measures to ensure that campus operation and maintenance are sustainably done. In addition, also promotes source segregation, sorting, and up/down cycling, to significantly reduce the health impact on the environment, wildlife, and humans.

Target Pondicherry University leads the way in championing this noble effort. Its unwavering commitment to both environmental sustainability and safeguarding the nation's natural resources serves as a motivating force for impactful change across all tiers.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall make every endeavor to strictly adhere to the Solid Waste Management Rules, 2016, and its amendment from time to time and streamline the ongoing campus operations for sustainability with regard to the Green Protocol, Rules, and UGC Mandate to protect and conserve the campus soil, water, and biodiversity by embracing the targets of multiple SDG.
2. Pondicherry University shall provide awareness education which is pivotal for all stakeholders to deal with the multiple challenges of climate change, resource efficiency, and management of our growing legacy of waste and environmental pollution.
3. Pondicherry University shall engage an authorized recycler, empaneled reputed agency, and research-based non-government organization to provide effective waste management services in compliance with the applicable Rules and Bye-Laws: to recover energy (biogas) and nutrients (compost & vermicompost) from dry and organic fraction and similarly, recycling of dry wastes like plastics, glass, papers, boards, tin, etc. through recyclers, to reduce the volume of waste generated and sent to landfill, and to speed up the implementation by a dedicated office and team through fast track mode.
4. Pondicherry University shall have separate policies and action plans for sustainable management of plastic waste, biomedical waste, sanitary napkin waste, e-waste, hazardous waste, horticulture waste, event organizers, and food.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.1 - Policy for Sustainable Solid Waste Management"

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023



5. Pondicherry University shall have a sustainable system to source segregate, sort, secondary storage facility, material recovery facility, transportation, etc. by adhering to the Rules and Bye-Laws.
6. Pondicherry University shall refabricate the procurement procedures and incorporate an ²¹ assessment of the environmental impact of purchases throughout their life cycle and encourage the use of producers and suppliers who follow environmentally responsible practices.
7. Pondicherry University shall collect a 'user fee' and impose a 'fine' with regard to the 'Polluter Pay Principle' and/ or as applicable under the Rules, Amendments, and Bye-Laws.
8. Pondicherry University shall through the Hostel Office monitor the waste generation in the hostels, and the way it is source segregated, sorted, and managed, and shall provide monthly reports to the university.
9. Pondicherry University shall through the Hostel Office instruct the students to take away all of their belongings like beds, tables, blankets, books, boards, buckets, etc. Leaving their belongings as waste shall attract the Polluter Pay Principle.
10. Pondicherry University shall instruct the Quarters Dwellers to source segregate and hand over to the waste management personnel and shall not mix or litter on the campus ground, if so shall attract the 'Polluter Pay Principle'.
11. Pondicherry University shall instruct the Manager and Supervisors of the Guest Houses and Convention Centers to collect a 'user fee' for the provision of appropriate waste collection and management facilities and sign boards at strategic locations.
12. Pondicherry University shall instruct the service providers like the canteen, mess, cafeteria, teashop, and event organizers to manage their waste on their own in accordance with applicable Rules and SOP. If the same is to be managed by the university the solid waste shall be source segregated and handed over to the waste management personnel by paying a 'user fee' as applicable under the Rules and shall not mix or litter on the campus ground, if so shall attract the 'Polluter Pay Principle'.
13. Pondicherry University shall establish a dedicated office to monitor, track, periodically audit and measure its environmental performance and conduct research on solid waste implications and its upcycling/ down-cycling possibilities by collaborating with research-based non-government organizations, institutions, industries, and government departments.
14. Pondicherry University shall periodically conduct multiple inventories related to solid waste and evolve strategies to minimize resource consumption and waste production.
15. Pondicherry University shall provide certificate courses and green skill development programs on Sustainable Solid Waste Management.





Contributors

Dr. S. Gajalakshmi

Professor

Centre for Pollution Control and Environmental Engineering

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-s-gajalakshmi/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/departments/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for
SDG 12: Responsible Consumption and Production – “SDG 12.1 - Policy for Sustainable Solid Waste Management”
Goal Specific Sub-Policy SDG-12.1. Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.1-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.1-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.1 - Policy for Sustainable Solid Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production “SDG 12.2 - Policy for Sustainable Plastic Waste Management”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.2 - Policy for Sustainable Plastic Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.2 - Policy for Sustainable Plastic Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs all geared towards fostering cooperation and enriching faculty development.

The university's dedication to advancing Sustainable Development Goal (SDG) 12: Responsible Consumption and Production entails the incorporation of various auxiliary measures. Aligned with the specific objective elucidated in SDG 12, the "sustainable plastic waste management policy" closely aligns with a sub-policy of SDG 12.2. SDG 12.2 seeks to accomplish the reduction of plastic usage, including the prohibition of single-use plastics, while also promoting the sustainable management of generated plastic waste. This is exemplified in how the university manages plastic waste, aligning with SDG 12: initiatives for campus sustainability can shape student behaviors, consumption habits, and waste generation patterns, nurturing individuals who are environmentally conscious and who carry these principles into their personal and professional lives. By emphasizing the elimination of plastic items, university campuses play an indispensable role in fostering awareness, education, and concrete steps that resonate with SDG 12.

The university's campaigns, such as 'say no to plastic' and 'plastic-free campus', have a multifaceted influence. They educate individuals, heighten awareness, champion sustainable methodologies, contribute to research and ingenuity, and potentially cultivate a culture of responsible consumption and production. Since campuses serve as microcosms of broader societies, their endeavors hold the potential to influence broader perspectives and behaviors regarding environmental sustainability, thereby impacting the well-being of both current and future generations.

Policy Statement Pondicherry University shines as a symbol of steadfast dedication, passionately devoted to the extensive promotion of a vibrant, plastic-free campus. This honorable pursuit seamlessly harmonizes with the overarching objective of Goal 12.

Target As a pioneer in this virtuous mission, Pondicherry University's unyielding commitment serves as a motivating example, sparking the initiation of transformative measures across diverse levels and geographical boundaries by involving everyone.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall make every endeavor to strictly adhere to the Plastic Waste Management Rules, 2016, and its amendment from time to time to protect and conserve the on and off-campus soil, water, and biodiversity in addition to embracing the targets of multiple SDGs.
2. Pondicherry University shall provide awareness education to all stakeholders and update periodically on the directions from the enforcement authorities and municipalities which is pivotal for the Housekeeping & Sanitary Wing to deal with the growing legacy of plastic waste.
3. Pondicherry University shall instruct the research guide, mentors, faculties, and scholars concerned to source segregate the plastic and other dry wastes during the synopsis, viva-voce, birthday parties, etc., and to hand over the same to the housekeeping staff for its sustainable disposal.
4. Pondicherry University shall instruct the Departments, Centers, Administrative Wings, and others concerned for purchasing cotton backdrops/ banners over PVC Flex, and to convert them into cotton carry bags by adhering to the Emblem Act or Protocols related to Logo/ Emblem.
5. Pondicherry University shall instruct the office bearers of all its Wings, Centers, Departments, and others concerned to avoid purchasing or using the banned and other single-use plastic items from time to time while conducting meetings and events.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.2 - Policy for Sustainable Plastic Waste Management"

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



6. Pondicherry University shall instruct the service providers (canteen, mess, teashop, eateries, shopping complex, etc.) to avoid the use of banned and other single-use plastic items and regulate the procedures for the 'Event Organizers', 'Contractors/ Service Providers' as applicable under the Rules, Notifications, and Protocol.
7. Pondicherry University shall engage service providers to source segregate and sort the plastic bottles, packets, packing materials, carry bags, etc. in hostels, canteens, and academic blocks to ensure the reduction in plastic waste volume generated and prevent its entry into the landfill.
8. Pondicherry University shall instruct the Manager and Supervisors of the Guest Houses and Convention Centers to keep sign boards at strategic locations to avoid plastic usage by the guests.
9. Pondicherry University shall collect the 'user fee' and impose a 'spot fine' for littering and not source segregating in compliance with the Rules or Bye-Laws or Polluter Pay Principle or as applicable.
10. Pondicherry University shall collaborate with relevant stakeholders and research microplastic and nano-plastics pollution, implication, and abatement.
11. Pondicherry University shall through a dedicated office, document, report, and disseminate as deemed fit for compliance, pollution prevention, and environmental protection.
12. Pondicherry University shall provide certificate courses and green skill development programs on Sustainable Plastic Waste Management and incubate volunteers and stakeholders for establishing recovery facilities.
13. Pondicherry University shall provide student-centered awareness raising to the neighboring communities on plastic pollution and its adverse effects on human and animal health.
14. Pondicherry University shall campaign for a student-led and student-centered 'plastic-free campus' and shall make every effort to minimize the entry of microplastics and nano-plastics into the soil and water.
15. Pondicherry University shall periodically conduct multiple inventories related to plastic waste and evolve strategies to minimize waste generation.
16. Pondicherry University shall conduct research on plastic waste upcycling/downcycling by collaborating with research-based non-government organizations, institutions, and government departments. and industries.
17. Pondicherry University shall develop a standard operating procedure for sustainable plastic waste minimization, management, and disposal.





Contributors

Er. S. Sudalai

Assistant Professor

Centre for Pollution Control and Environmental Engineering

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/s-sudalai/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.2 - Policy for Sustainable Plastic Waste Management”.

Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.2-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.2-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.2 - Policy for Sustainable Plastic Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University
R. Venkataraman Nagar
Kalapet
Puducherry – 605014
INDIA
www.pondiuni.edu.in

Pondicherry University SDG 12: Responsible Consumption and Production
Goal-Specific
Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management

88





Pondicherry University

88 Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management

1. Purpose

Plastic pollution has emerged as a pressing global issue, posing severe threats to the environment, biodiversity, ecosystems, and human well-being. The production of plastic has skyrocketed from 2 million tons annually in 1950 to a staggering 460 million tons in 2020, signifying a nearly 230-fold increase. Today, plastics, including micro and nano plastics, have become omnipresent in our natural surroundings. Shockingly, approximately every minute, an equivalent of one garbage truck full of plastic is dumped into our oceans, a grave concern highlighted by the United Nations Environment Programme, warning about the adverse impacts of plastic pollution on sustainable development in environmental, social, economic, and health dimensions.

34
In response to this alarming situation, the Ministry of Environment, Forest, and Climate Change (MoEF&CC), Government of India has taken crucial steps to combat plastic pollution and its consequences. In 2016, they introduced the Plastic Waste Management (PWM) Rules, aiming to curtail plastic pollution in the country. Subsequently, in 2021, the Ministry implemented the Plastic Waste Management Amendment Rules, which banned the manufacture, import, stocking, distribution, sale, and use of specific single-use plastic items known for their low utility and high littering potential. These measures came into effect on 1st July 2022.

- i. earbuds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice-cream sticks, polystyrene [Thermocol] for decoration;
- ii. plastic plates, cups, glasses, cutlery such as forks, spoons, knives, straws, trays, wrapping or packing films around sweet boxes, invitation cards, cigarette packets, plastic or PVC banners, and stirrers.

12
In addition, the Extended Producer Responsibility for Plastic Packaging vide Plastic Waste Management Amendment Rules, 2022, has been issued to E-commerce companies, leading single-use plastic sellers/users, and plastic raw material manufacturers with respect to phasing out of identified single-use plastic items.





The Rules and Amendments serve as the legal foundation for environmentally sound plastic waste management nationwide. To comply with this, the educational institutions in States and Union Territories, have been approached by the University Grants Commission (UGC) and the All India Council for Technical Education (AICTE). These bodies have issued notifications and orders, introducing frameworks and regulations that enforce a complete ban on single-use plastic items. Additionally, the ban on single-use plastics has been integrated into various initiatives such as 'Swachh Survekshan', 'Star Rating of Garbage Free Cities', and as a prerequisite for participation in the 'Safaimitra Suraksha Challenge' and others.

In light of these developments, Pondicherry University has taken proactive steps in addressing plastic waste management. Jointly, they created the Comprehensive Green Protocol in 2018, the drafted SDG goal-specific policy on Sustainable Plastic Waste Management in 2018, and the Standard Operating Procedure (SOP) in 2023. These documents outline the strategies for minimizing plastic usage within the university campus and affiliated institutions and outreach. The SOP details procedures for the minimization and proper disposal of source-segregated plastic waste fostering a “single-use plastic-free campus”. Moreover, the university has dedicated teams responsible for sustainable waste management, including plastic, and they oversee monitoring, documentation, dissemination, compliance, and enforcement efforts:

- Civil Engineering Wing
- Project Management Consultancy Services
- Sanitary Workers
- House-keeping Staff
- Hostel Office (Boys and Girls)
- Office of Services & Hostels
- Office of Students Welfare
- Office of Green Campus

This comprehensive approach aims to ensure effective and responsible plastic waste management both on-campus and beyond, in line with sustainable practices.

2. Aim

Pondicherry University, its satellite campuses, and its affiliated institutions are ‘free from single-use plastics’ and sustainably minimizing the generation and managing the other forms of plastic waste.

3. Scope

- The total ban on the single-use plastic items inside the campus
- Sustainably manage the plastic waste generated and prevent its entry into landfills or oceans.
- Inculcate responsible and environmentally conscious behavior among all stakeholders.





- Promote the recycling of plastic wastes as much as possible by segregation and transferring to the recycling center through an authorized recycler or empaneled reputed agency.

4. Anticipated Outcome

The green and clean campus of the University/ Institutions are free from single-use plastics but rich in biodiversity and a clean environment for healthy living.

5. Complements

- University Grants Commission's and All India Council for Technical Education's Mandate
- Government of India Missions: LiFE, Climate, Green India, etc.
- Union Ministry of Environment, Forest and Climate Change – Rules, Amendments, and Notifications and Regional Governments Bye-Laws..
- Compliance with Sustainable Development Goals (SDGs): Goal 3 (Good Health and Well-Being), Goal 6 (Water and Sanitation), Goal 11 (Sustainable Cities and Communities), Goal 12 (Responsible Consumption and Production), Goal 13 (Climate Action), Goal 14 (Life Below Water), Goal 15 (Life on Land), Goal 17 (Partnerships for the Goals).

6. Definitions as per Rules

As per the Plastic Waste Management Rules, 2016.

Rule 3 (l) “institutional waste generator” means and includes *occupier of the institutional buildings* such as buildings occupied by Central Government Departments, State Government Departments, public or private sector companies, hospitals, schools, colleges, universities, or other places of education, organization, academy, hotels, restaurants, malls, and shopping complexes.

Rule 3 (x) “waste generator” means and includes *every person or group of persons or institution, residential and commercial establishments including Indian Railways, Airport, Port and Harbor and Defense establishments which generate plastic waste.*

Rule 3 (y) “waste management” means the *collection, storage, transportation reduction, reuse, recovery, recycling, composting, or disposal of plastic waste in an environmentally safe manner.*

7. Responsibility of the Waste Generator as per Rules

As per Rule 8. Responsibility of waste generator.-

(1) The waste generator shall.-

- (a) take steps to minimize the generation of plastic waste and segregate plastic waste at source in accordance with the Solid Waste Management Rules, 2000, or as amended from time to time.





28

(b) not to litter the plastic waste and ensure segregated storage of waste at the source and hand over segregated waste to the urban local body or gram panchayat or agencies appointed by them or registered waste pickers, registered recyclers, or waste collection agencies.

10

(2) All institutional generators of plastic waste, shall segregate and store the waste generated by them in accordance with the Municipal Solid Waste (Management and Handling) Rules, 2000 notified vide S.O 908(E) dated 25th September, 2000 under the Act or Amendment from time to time and handover segregated wastes to authorized waste processing or disposal facilities or deposition centers either on its own or through the authorized waste collection agency.

8. Fees as per the Rules

As per **Rule 8. Responsibility of Waste Generator**:-

(3) All waste generators shall pay such 'user fee or charge' for plastic waste management (waste collection, storing, transportation, or operation of the facility thereof, etc.)

82

9. Fine as per the Rules

As per The Solid Waste Management Rules, 2016: 'Waste generator' is each and every individual, and a 'fine' shall be imposed for littering.

3

Rule 3(56): "waste generator" means and includes every person or group of persons, every residential premise, and non-residential establishment including Indian Railways and defense establishments, which generate solid waste.

49

Rule 4(2): No waste generator shall throw, burn, or bury the solid waste generated by him/her on streets, or open public spaces outside his/her premises or in the drain.

Rule 3(23): "fine" means a penalty imposed on the waste generator.

10. Standard Operating Procedure (SOP)

Pondicherry University places significant emphasis on providing its students with a Green and Clean Campus. The university is dedicated to conserving campus biodiversity and promoting environment-conscious behavior, with the overarching goal of addressing the triple planetary crisis: climate change, biodiversity loss, and pollution. To achieve this, the university has formulated a comprehensive Standard Operating Procedure (SOP) that aligns with the Plastic Waste Management Rules and the Comprehensive Green Protocol. The SOP serves as a guideline for managing plastic waste effectively and responsibly within the university premises. It outlines various procedures and protocols under different categories for easy comprehension and adherence by the university community. The document will be subject to periodic updates and revisions to stay in line with the evolving guidelines from the Government of India and the University Grants Commission. This commitment





ensures that the university stays up-to-date¹² with the latest environmental regulations and best practices. The following are the identified 'single-use plastic items', which have low utility and high littering potential with effect from the 1st July 2022 under the direction of the Ministry of Environment, Forest and Climate Change:

- i. earbuds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice-cream sticks, polystyrene [Thermocol] for decoration;²⁸
- ii. plastic plates, cups, glasses, cutlery such as forks, spoons, knives, straws, trays, wrapping or packing films around sweet boxes, invitation cards, cigarette packets, plastic or PVC banners less than 100 microns, and stirrers.¹¹

This Standard Operating Procedure (SOP) applies not only to the above-mentioned 'single-use plastic items' but also to all the other kinds of plastic waste generated inside the campus.

A. General

1. All waste generators (i.e., any individual including the Student/ Research Scholar/ Faculty/ Staff/ Contractor/ Worker/ Others) shall source segregate the plastic waste from other wastes wherever it may be inside the campus.
2. Source-segregated plastics shall be placed in the color-coded bin or otherwise handed over to the housekeeping staff of that building/ floor/ lab.
3. No waste generator (i.e., any individual including the Student/ Research Scholar/ Faculty/ Staff/ Contractor/ Worker/ Others) shall throw/ litter any form of plastic waste in any manner on soil/ drain/ water.
4. If littered by the waste generator (i.e., any individuals inside the campus), a 'fine' shall be imposed in accordance with the Rules as prescribed by the Administration Authority of the University from time to time.
5. Such 'imposed fine' shall be paid within 3 working days to the HoD concerned or Hostel Office or Authorized Office or Bank and a receipt shall be given for the same to the Competent Authority. **Failing it will be doubled every 7 days (i.e., weekly).**
6. All waste generators (i.e., any individual or service-providing organization inside the campus) shall pay 'user fee or charge' as may be specified by the University Authority for plastic waste management covering: providing color-coded bins for source segregation, collection, sorting (primary storage), lifting, transportation, storing (secondary storage), handing over to the authorized recycler or empaneled agency or operator of such facility or recovery of materials in any manner.





7. Such '**user fee or charge**' shall be collected at the time of admission from the students and on a monthly/ yearly basis for others.
8. A '**Strict Compliance Declaration**' shall be made by each and every student at the time of admission for strict adherence to the Plastic Waste Management Rules, Green Protocol, and Standard Operating Procedure that are in force and amended from time to time
9. All kinds of plastic waste associated with the purchase(s) done by the Purchase Wing and paid by the University shall look into Extended Producer Responsibility and comply with the procedure associated with it, or otherwise collect and hand over to the housekeeping staff.

All kinds of plastic wastes associated with the project, and research-related purchases done by the Faculty or Department or University shall look into Extended Producer Responsibility and comply with the procedure associated with it, or otherwise collected and handed over to the housekeeping staff.

B. For Administrative Buildings

All Administrative Sections, Wings, and Offices:

1. Shall avoid the use of banned single-use plastics
2. Shall source-segregate the plastic waste from other wastes.
3. Shall either place the segregated plastic waste in the color-coded bin or hand it over to the housekeeping staff separately.
4. Shall make sure the use of biodegradable or recyclable items in the meetings as much as possible and source segregate and manage the unavoidable plastic wastes generated during such meetings alongside refreshments and others.
5. Shall collect the plastic water bottles and associated packing materials separately on a day-to-day basis, and also shall make an effort to minimize or eliminate the purchase of bottled water except for protocols related to VIP and others.
6. Recommend a glass/ steel/ ceramic tumbler with a water dispenser/ purifier/ personal flask as an alternative to bottled water.
7. Shall not purchase or use any banned decorative items for Pooja Celebrations or others.
8. Shall use cloth banners or posters for advertisement or promotion.





C. For Academic Buildings

All Academic Departments, Research Labs, and Associated Offices:

1. Shall not purchase or use any of the banned single-use plastic items as laid down by the Ministry or Regional Competent Authority.
2. Shall have the color-coded bins (blue and green) in its strategic locations as provided by the Service Provider/ Sanitary Workers.
3. Shall instruct the students not to dislocate and/ or damage the respective bins and shall inform the housekeeping staff immediately in this regard.
4. Shall educate the students on environmentally conscious behavior.
5. Shall advise the organizer of the viva-voce, synopsis, birthday parties, and similar functions/ events/ festivals to follow the procedure laid down for the 'Event Organizers' under the Rules.
6. Shall advise all the attendees during the viva-voce, synopsis, birthday parties, and similar functions/ events/ festivals to unfold the cake or sweet boxes and arrange other refreshment packs and hand them over separately in the dedicated location for safe and sound management.
7. Shall hand over the plastic and glass chemical/ reagent bottles separately to the housekeeping staff (for its management and disposal will be in accordance with the Chemical/ Biomedical/ Hazardous Waste Management).
8. Shall use cotton banners instead of PVC flex banners.
9. Post-event the cotton banners shall be converted into designer or utility bags (by not violating the Notified Emblem/ Logo Act and Rules).

D. For Hostels (Boys & Girls)

All the Hostellers:

1. Shall without compromising or violating any of the University Hostel policies, Rules, or Regulations take every opportunity to comply with the University Grants Commission and All India Council for Technical Education Mandates, Solid and Plastic Waste Management Rules notified by the concerned Ministry for Environment Forest and Climate Change, and Green Protocol and shall strictly follow this SOP for the compliance and for sustaining the campus life support system: soil, water and air and other forms of wildlife.
2. Shall with enlightened self-interest, edify each other for pollution minimization and sound waste management as 'prevention is better than cure'.





3. Shall neither entertain nor purchase or use any of the banned single-use plastic items inside the campus including hostels.
4. Shall source segregate water bottles, beverage bottles, plastic covers, tins, and cans in any manner and drop them in the respective color-coded bins or hand them over to the housekeeping staff.
5. Shall hand over any broken or used plastic materials or chairs or any kind to the housekeeping staff for compliance.
6. Shall not dislocate the color-coded bins thereby causing inconvenience to other hostellers. Repetition shall attract disciplinary action.
7. Shall not damage any color-coded bin or the educational posters or any other facilities provided by the University for compliance with the Plastic & Solid Waste Management Rules.
8. Shall take responsibility for collecting, segregating, and handing over the wastes to housekeeping staff that arise as an outcome of any gathering/ party/ event permitted under the Hostel Rules of the University.
9. Shall hand over the packing materials waste that arises as an outcome of shopping in any manner to the respective house-keeping staff or drop it in the color-coded bin
10. Shall not throw the plastic waste through the windows/ balcony/ rooftop/ veranda/ any free space
11. Shall not litter the adjacent landscape
12. Shall not play sports with plastic waste materials
13. Shall not pet or feed the dog with plastic materials
14. Shall inform their respective Wardens about such conduct and the Warden shall impose a 'fine' for littering.
15. Shall vigilantly watch for littering or hiding or dropping or draining or otherwise and inform the respective Warden





All Girl Students:

All girl students in addition:

16. Shall strictly follow the procedure laid down for the sanitary napkin waste disposal and dispose of the associated plastic packing material separately in the 'color-coded bin' and the used napkins separately in the 'feminine hygiene bin'.

All Concerned Wardens:

17. Shall on a daily basis inspect the respective hostels and instruct the students and housekeeping staff to use the color-coded bins as deemed fit.
18. Shall impose 'fine' for littering as per the Notified Rules.
19. Shall advise/ educate the hostellers periodically.
20. Shall encourage volunteers to audit, document, and report drafting.

The Chief Wardens (Boys and Girls)

21. Shall provide environmental education for the hostellers at least once every semester.
22. Shall periodically visit all Hostels and check for compliance with this SOP.
23. Shall address any issue related to the adherence to Plastic Waste Management Rules (2016) and Solid Waste Management Rules (2016), as notified from time to time.
24. Shall daily verify the related log book or register in the Hostel Office.

Service Providers (House Keeping Staff and Sanitary Workers)

25. Shall discharge their duties in a time-bound manner in all the hostel buildings/ floors/ wings (minimum twice - collecting, sorting, and disposing).
26. Shall source segregate the sanitary chemical bottles, cans, and containers and dispose separately.
27. Shall collect separately the broken, used and damaged parts of the sanitation and cleaning tools and dispose separately.
28. Shall inform the Warden or Hostel Office for any non-compliance act of the hostellers.





Hostel Office (Boys and Girls)

29. Shall not purchase any banned plastic items and shall dispose of any old stock that exists.
30. Shall maintain a separate log book and register to monitor and record all acts in this regard and shall produce on demand by the concerned Officers or Authorities

For Hostel Mess (Boys and Girls) and Canteen Contractors

All hostel mess & canteen contractors/ managers/ supervisors:

1. Shall source segregate the culinary-related plastic sachets, tins, cans, and bottles and dispose of them as per the contract agreement or as per the instructions from the administration or otherwise hand over the same to the university waste collecting team.
2. Shall **‘avoid the purchase’** of banned single-use plastic items.
3. Shall pay **‘user fee’** for utilizing the waste management facilities of the university (i.e., handing over the hostel mess contractor's plastic waste to the university waste collecting team/ system).
4. Shall pay **‘fine’** for not complying with the SOP in accordance with the Plastic & Solid Waste Management Rules and Green Protocol.

E. For Shop Keepers in the Shopping Complex

All shopkeepers in the Shopping Complex:

1. Shall source segregate their waste and hand over plastic waste separately to the University waste collectors
2. Shall not use or sell any banned plastic items.
3. Shall use food-grade papers, covers, and plates as an alternative to plastic.
4. Shall make sure that the plastic wastes are not soiled and disposed of.
5. Shall use glass/ stainless steel tea tumblers and glass/ stainless steel juice tumblers instead of paper cups and shall have adequate manpower and resources to collect and clean such tumblers before next use.
6. Shall avoid single-use plastic juice containers for takeaway irrespective of thickness.
7. Shall avoid any kind of plastic bags irrespective of thickness.





8. Shall not recommend or use paper carry bags as a substitute for plastic carry bags.
9. Shall sell cotton bags or another kind as a substitute for plastic.
10. Shall provide a cotton carry bag (value added with the purchase).

F. For Quarters Dwellers

All quarters dwellers:

1. Shall source segregate the plastic wastes from other solid wastes and hand over the same to the door-to-door waste collectors or otherwise drop it separately at the waste collection spot.
2. Shall not mix diaper and sanitary napkin waste along with plastic and other household waste or otherwise soil the plastic waste.
3. Shall educate and instruct the household servant to source segregate and drop the plastic waste separately for safe management in accordance to the Rules and By-laws.
4. Shall not burn or bury plastic waste.
5. Shall not burn any waste in any manner including horticulture waste.
6. Shall pay 'user fee' for proper management and 'fine' for littering in accordance with Plastic & Solid Waste Management Rules.

G. For Guest House

All guest house In-charge(s), Manager(s), Supervisor(s):

1. Shall restrict the entry of plastics inside the building/ premises.
2. Shall instruct the service provider and caretaker to avoid the use of banned plastics while providing service to the guests.
3. Shall avoid plastic plates and cutleries while serving food.
4. Shall provide a water jug or flask for the guest instead of water bottles.
5. Shall source segregate the plastic of any kind used by the guests during their stay and dispose of it through the waste management team.
6. Shall collect 'user fee' or 'green fee' for waste management in addition to rent and others.
7. Shall impose and collect a 'fine' for littering.





H. For Event Organizers (Cultural cum Convention Center, Seminar Hall, etc.)

All event organizers like students, faculties, administrators, and others:

1. Shall strictly avoid the banned plastic decoration items while organizing the event.
2. Shall try every means not to use single-use plastic disposable boxes or containers for food distribution. Under unavoidable circumstances, shall make sure such containers are collected separately and disposed of sustainably.
3. Shall make every opportunity to instruct the participants not to litter the plastics associated with the event.
4. Shall keep sign boards at all strategic locations to instruct the participants
5. Shall have adequate manpower and resources to source segregate, collect, sort, and manage the plastic and other generated wastes
6. Shall strictly ensure segregation of plastic and other kinds of waste at source and manage on their own without harming the campus environment or violating the Rules.
7. Shall otherwise, hand over the same to the waste collector or agency employed by the university in a source-segregated manner.
8. Shall pay 'user fee' for waste management
9. Shall pay 'climate/carbon fee' for the event
10. Shall impose and collect 'fine' for littering
11. Shall also in addition comply with the Policy, Protocol, and SOP laid for Event Organizers from time to time.

I. Solid Waste Management Contractors

The solid waste management contractors

1. Shall instruct the housekeeping staff to sort the source-segregated plastic waste and hand it over separately to the waste collection and transportation team.





2. Shall instruct the supervisors to strictly monitor the sorting and handing over process on a daily basis
3. Shall guide the supervisors to fill out the prescribed data collection template provided by the Office of Green Campus and enter it digitally on a daily basis.
4. Shall instruct the housekeeping staff and supervisors to inform the Hostel Office, Wardens, and HoDs of unethical or noncompliance behavior of the students and others immediately and the same shall be recorded in the log book of the supervisor.
5. Shall strictly follow the instructions provided for the 'event organizers'.
6. Shall monitor the condition of color-coded bins and their locations. If any change in the condition or location shall inform the concerned Hostel Office, Warden, and HoD
7. Shall register any accident or others in the portal of the Civil Engineering Wing.
8. Shall impose a 'fine' on any of their staff for not adhering to the plastic waste management as instructed.
9. Shall pay a 'fine' for nonperformance of their duty with regard to Plastic Waste Management Rules and Solid Waste Management Rules.

J. Civil Engineering Wing (PU)

1. Shall coordinate and implement this SOP in the campuses of Pondicherry University
2. Shall instruct its staff to monitor and implement plastic waste management-related activities continuously and shall take appropriate actions against violators of this SOP.
3. Shall ensure timely collection of 'user fee' and 'fine' through a dedicated officer in the Wing
4. Shall make sure that all the facilities are provided without any delay for the compliance of this SOP inside the campuses of Pondicherry University.





K. Office of Green Campus (PU)

1. Shall oversee all the activities related to Solid and Plastic Waste Management for compliance.
2. Shall appraise the University administration, and Civil Engineering Wing on all the amendments and mandates by the Central Government, State Government, and UGC in his regard. If required, appropriate amendments may be adopted in this SOP in consultation with the Department of Ecology and Environmental Sciences, PU, and others as deemed fit.
3. Shall provide guidance and technical support to the Health Centre, Engineering Wing, Cultural cum Convention Centre, Sanitary Wing, Wardens, Hostel Office, Mess and Canteens, Shopping Complex, Garbage Collectors, and Contractors by streamlining and introducing strategies for sustainability.
4. Shall develop educational awareness materials to inculcate environment-conscious behavior among all stakeholders.
5. Shall develop educational documentaries on 'Know-how', 'What is What', and 'How to Manage' Plastic and Solid Waste
6. Shall develop project(s) for plastic waste reusing/ recycling in collaboration with relevant faculty and experts.
7. Shall catalyze collaborations and equitable partnerships with empaneled reputed agencies, authorized recyclers, industries, NGOs, and Institutions both National and International for sustainable plastic waste management.

11. Conclusion

SOP is expected to make Pondicherry University a role model for the best practice 'plastic waste minimization and management'. Further, the SOP will be revised and updated as deemed fit for effective minimization and management of plastic wastes, in compliance with the Amended Rules, Notifications, Protocols, and Mandates, periodically.



Note

- Fine is proposed not to punish the violator but to make him/her realize the responsibility towards the nature.
- The SOP will be updated and revised periodically

References

1. Plastic Waste Management Rules, 2016
<https://thc.nic.in/Central%20Governmental%20Rules/Plastic%20Waste%20Management%20Rules,%202016.pdf>
2. Plastic Waste Management Rules, 2016 as amended in 2018
<https://cpcb.nic.in/displaypdf.php?id=cGxhc3RpY3dhc3RIL1BXTV9HYXpldHRILnBkZg==>
3. Plastic Waste Management Rules, 2016 as amended in 2021
<https://cpcb.nic.in/uploads/plasticwaste/Notification-12-08-2021.pdf>
4. Draft Plastic Waste Management Rules, 2022
<https://cpcb.nic.in/uploads/plasticwaste/draft-pwmrules-2022.pdf>
5. 2nd Amendment to Plastic Wastes Management Rules, 2022
<https://cpcb.nic.in/uploads/plasticwaste/2-amendment-pwmrules-2022.pdf>
6. Comprehensive Green Protocol for the Educational Institutions
<https://www.apscglobal.org/2018/04/13/comprehensive-green-protocol/>
<http://www.apscglobal.org/wp-content/uploads/2018/04/Green-Protocol-Book-Final-9-8-2018.pdf>
<https://dste.py.gov.in/Envispy/assets/pdf/Book/Green%20Protocol.pdf>
<https://www.thehindu.com/news/cities/puducherry/green-protocol-for-ut-released/article23598802.ece>
7. Oulgaret Municipality Solid Waste Management (OM-SWM) Bye-laws, 2021.
<https://styandptg.py.gov.in/2022/AUGUST/EXTRAORDINARYPART-II/1/35-PART-II%20dated%2010-08-2022.pdf>
8. Oulgaret Municipality Bye-Laws for Plastic Waste Management, 2019 & Draft Bye-Laws (Amendment), 2022
<https://styandptg.py.gov.in/2022/APRIL/EXTRAORDINARYPART-II/1/18-PART-II%20dated%2018-04-2022.pdf>



Stakeholders

Dr. Joseph Selvin,

Professor,
Dean, Research,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-joseph-selvin/

Dr. S. Victor Anandkumar,

Professor,
Dean, School of Law,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-s-victor-anandkumar/

Dr. K. Srinivasamoorthy,

Professor,
Department of Earth Sciences,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-k-srinivasamoorthy/

Dr. D. Ramamoorthy,

Professor,
Department of Ecology & Environmental Sciences,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-d-ramamoorthy/

Prof. B. Charumathi,

Professor,
Department of Management Studies,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-b-charumathi/

Dr. A. Shahin Sultana,

Professor,
Department of Social Work,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-a-shahin-sultana/

Dr. K. Anbu,

Professor,
Department of Social Work,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-k-anbu/

Dr. R. Nalini,

Professor,
Department of Social Work,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-r-nalini-2/

Dr. R. Rukkumani,

Professor,
Department of Biochemistry and Molecular Biology,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-r-rukkumani/





Dr. S. Gajalakshmi,

Professor,
Centre for Pollution Control and Environmental Engineering,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-s-gajalakshmi/

Dr. E. Sreekala,

Professor,
School of Education,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-e-sreekala/

Dr. Lakhimai Mili,

Professor,
Department of English,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-lakhimai-mili/

Dr. Radhika Khanna,

Associate Professor,
Department of Electronic Media and Mass Communication,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-radhika-khanna-emnrc-head-i-c/

Dr. G. Subhalakshmi,

Assistant Professor,
School of Law,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-g-subhalakshmi-2/

Dr. M S. Nanda Kishor

Public Relations Officer,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. S. I. Humayun

NCC Officer,
UMISARC – Centre for South Asian Studies,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-s-i-humayun/

Dr. C. Satheesh Kumar.

NSS Officer.
Department of Social Work,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-c-satheesh-kumar/

Dr. A. Saravanan,

Deputy Registrar (Hostels and Services),
Pondicherry University.
<https://www.linkedin.com/in/saravanan-a-84437618/?originalSubdomain=in>

Dr. R. Vishnu Vardhan,

Deputy Coordinator,
Internal Quality Assurance Cell,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/





Contributors

Dr. K. Sivakumar,
Professor,
Department of Ecology and Environmental Sciences,
Pondicherry University.
https://www.pondiuni.edu.in/faculy_profiles/prof-k-sivakumar/

Dr. R. Arun Prasath,
Professor,
Department of Green Energy Technology,
Pondicherry University.
https://www.pondiuni.edu.in/faculy_profiles/dr-r-arun-prasath/

Er. V. Mourougavelou,
Head (i/c),
Civil Engineering Wing,
Pondicherry University.
<https://www.pondiuni.edu.in/department/engineering-wing/>

Dr. M. Nandhivarman*,
Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific SOP for SDG 12, SDG-12.2.1- Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC, SDG-SOP-12.2.1.-23

Policy Number

PU-IQAC&OGC, SDG-SOP-12.2.1.-23
Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific SOP for Goal 12: Responsible Consumption and Production
“SDG 12.2.1. - Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management”
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.3 - Policy for Sustainable Biomedical Waste Management”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.3 - Policy for Sustainable Biomedical Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.3 - Policy for Sustainable Biomedical Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

Aligned with the specific objective outlined in Sustainable Development Goal (SDG) 12, the "sustainable biomedical waste management policy" closely corresponds to a sub-policy SDG 12.3. SDG 12.3 focuses on the sustainable management of generated biomedical waste. This commitment is demonstrated in how the university handles biomedical waste originating from research laboratories, animal facilities, and health centers. In alignment with SDG 12, providing sufficient resources and appropriate facilities and MoU with Common Biomedical Waste Treatment Facility can influence student behaviors, promoting adherence to Biomedical Waste Management regulations. This nurturing approach cultivates individuals who are environmentally conscious and who carry these principles into their personal and professional lives.

The university's efforts to ensure compliance with biomedical waste management have a multifaceted impact. They educate individuals, heighten awareness, champion sustainable methodologies, contribute to research and innovation, and potentially foster a culture of sustainable disposal. This approach eliminates the risk of spreading infectious diseases, given that biomedical waste can contain harmful bacteria, viruses, and other microorganisms that pose severe health risks. By managing biomedical waste sustainably, the university's initiatives extend to broader societies, influencing widespread perspectives and ultimately impacting the well-being of both animals and humans. This comprehensive approach aligns with the principles of responsible consumption and production, contributing to a healthier and more sustainable future.

Policy Statement Pondicherry University stands as a radiant emblem of unwavering commitment, wholeheartedly dedicated to the widespread advancement of sustainable biomedical waste management. This profound dedication aims to prevent both environmental contamination and the potential illnesses of both humans and animals. This noble undertaking seamlessly aligns with the overarching aspiration of Goal 12.

Target As a trailblazer in this virtuous endeavor, Pondicherry University's resolute devotion stands as a motivating beacon, igniting the commencement of transformative actions across varied strata and geographical frontiers, encompassing the involvement of all.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall as a research and educational institution strive to diligently follow the Biomedical Waste Management Rules, 2016, and any subsequent revisions, to safeguard and preserve the campus soil, water, and biodiversity while embracing the targets of Sustainable Development Goals.
2. Pondicherry University shall provide adequate and appropriate facilities and manpower for the safe management and disposal of biomedical wastes if any generated as given in Schedule I of the Biomedical Waste Management Rules, 2016.
3. Pondicherry University shall obtain Authorization from the Regional Enforcing Authority and necessary clearances/ certificates from the National Authority for running research facilities, and for handling and managing biomedical wastes.
4. Pondicherry University shall enter into a Memorandum of Understanding agreement with the Authorized Recycler/ Common Bio-medical Waste Treatment Facility for the collection, reception, storage, transport, treatment, disposal, or any other form of handling of biomedical waste.
5. Pondicherry University shall speed up the compliance through a dedicated office or team and shall implement biomedical waste management strategies in the concerned Departments, Labs, Health Centre, and Animal House for safe storage and disposal.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.3 - Policy for Sustainable Biomedical Waste Management"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



6. Pondicherry University shall provide color-coded bins and non-chlorinated color-coded plastic bags with educational posters and instruct the concerned biomedical waste generators to maintain different registers and log books related to the research laboratory, sanitary workers, and lab personnel and to have a reporting system to ensure compliance.
7. Pondicherry University shall immunize all its healthcare workers and others, involved in handling biomedical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling bio-medical waste, in the manner as prescribed in the National Immunization Policy or the guidelines of the Ministry of Health and Family Welfare or any other relevant guidelines issued from time to time.
8. Pondicherry University shall establish a system to track, review and monitor the activities related to biomedical waste management, either through an existing committee or by forming a new committee to meet once every three months and the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority by June every year.
9. Pondicherry University shall educate residents of campus dwellings (quarters and hostels) about the importance of segregating residential biomedical waste. This includes expired or discarded medicines, items contaminated with blood or body fluids (such as dressings, plaster casts, cotton swabs), discarded linens, mattresses, beddings contaminated with blood or body fluids, and other contaminated waste from disposable items like tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes, gloves, and more. Residents will be encouraged to hand over these segregated wastes separately to the sanitary worker or waste collecting team.
10. Pondicherry University shall provide periodical awareness of Biomedical Waste Management Rules, its periodical amendments, its biohazard and highly infectious nature, and health implications to all research scholars, lab assistants, key personnel, and sanitary workers and also shall promote the same to the neighboring communities.
11. Pondicherry University shall develop standard operating procedures for sustainable biomedical waste management and disposal.
12. Pondicherry University shall through the departments concerned, principal investigator(s), and head of the research facility ensure workplace safety for all.
13. Pondicherry University shall establish a bar-code system for bins or containers containing bio-medical waste to be sent out of the premises or carried by the operator of the Common Bio-medical Waste Treatment Facility.
14. Pondicherry University shall ensure the treatment and disposal of liquid waste from the research labs, animal house, and health center in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).





Contributors

Dr. B. Sudhakar

Professor
Department of Biotechnology
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-b-sudhakar/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University
<https://www.pondiuni.edu.in/departement/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/departement/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.3 - Policy for Sustainable Biomedical Waste Management”.
Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.3-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.3-V2.0-23
1st Version: NLGCIAP-APSCC*-PU-March-2018
2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

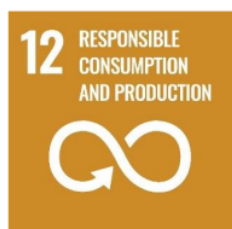
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production “SDG 12.4 - Policy for Sustainable Sanitary Napkin Waste Management”





Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.4 - Policy for Sustainable Sanitary Napkin Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

In harmony with the specific objectives outlined in Sustainable Development Goal (SDG) 12, the "sustainable sanitary napkin waste management policy" closely corresponds to sub-policy SDG 12.4. SDG 12.4 centers on the sustainable handling of generated sanitary napkin waste. This commitment is manifest in the university's approach to managing sanitary napkin waste stemming from girls' hostels, quarters, and accommodations. Aligned with SDG 12, the provision of adequate resources, suitable facilities, and collaborative agreements with pertinent stakeholders can shape student behaviors, fostering compliance with regulations set forth by the Central Pollution Control Board. This nurturing approach cultivates environmental awareness and ingrains these principles into the personal and professional lives of students.

The university's endeavors aimed at ensuring proper sanitary napkin waste management yield multifaceted results. They educate individuals, amplify awareness, and potentially foster a culture of responsible disposal. By adopting this approach, the potential risks of disease transmission and drainage pipeline blockages, inherent in sanitary napkin waste containing harmful microorganisms, are mitigated. Through sustainable management practices, the university's impact extends to broader societies, influencing collective perspectives and ultimately enhancing the well-being of both animals and humans.

Policy Statement Pondicherry University shines as an emblem of unwavering dedication, fervently committed to the extensive progress of sustainable sanitary napkin waste management. This profound commitment seeks to avert environmental pollution and potential health risks to both humans and animals. This noble pursuit seamlessly aligns with the overarching ambition of Goal 12.

Target As a pioneer in this virtuous undertaking, Pondicherry University's steadfast devotion serves as an inspiring beacon, igniting the initiation of transformative initiatives among those responsible for generating such waste.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall make every endeavor to strictly adhere to the Sustainable Sanitary Napkin Waste Management and Disposal as suggested in the Guidelines for Management of Sanitary Waste by the Central Pollution Control Board as per Solid Waste Management Rules, 2016, and its amendments from time to time.
2. Pondicherry University shall enter into a Memorandum of Understanding with the related stakeholders for the safe disposal of sanitary napkins as per guidelines and execute through the Hostel Office with support from the dedicated team of housekeeping staff and sanitary workers.
3. Pondicherry University shall provide awareness education which is pivotal to all sanitary napkin waste generators (girls' hostels and staff quarters) and to the relevant stakeholders from the hostel office, housekeeping, and sanitary wing to deal with the sanitary napkin waste.
4. Pondicherry University shall provide a dedicated 'Feminine Hygiene Bin' (yellow color) with 'Dos and Don'ts' educational posters in all the restroom locations for primary collection and pooling all the sanitary napkin wastes to the secondary collection point for safe disposal as applicable under the Rules and Central Pollution Control Board Guidelines.





5. Pondicherry University shall provide electric incinerators for the student to use and dispose of sanitary napkins as applicable under the Rules and Central Pollution Control Board Guidelines.
6. Pondicherry University shall have a safe burial facility, to dispose of sanitary napkins as applicable under the Rules and Central Pollution Control Board Guidelines, with no access to dogs and wild animals.
7. Pondicherry University shall from the girl students, quarters dwellers, and guests/ visitors staying in the guest house and convention center, collect a 'User Fee' for the provision of appropriate additional facilities, manpower, collection, transporting, and safe disposal and shall impose a 'Spot Fine' for littering and non-compliance in accordance with relevant Solid Waste Management Rules.
8. Pondicherry University shall ensure additional resources and facilities to prevent the dogs and rodent's menace.





Contributors

Dr. Regina Sharmila Dass

Assistant Professor
Department of Microbiology
Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-regina-sharmila-dass/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12:
Responsible Consumption and Production - "SDG 12.4 - Policy for Sustainable Sanitary Napkin Waste Management"
Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.4-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.4-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.4- Policy for Sustainable Sanitary Napkin Waste Management"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.5 - Policy for E-Waste Management”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.5 - Policy for E-Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.5 - Policy for E-Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

The university's dedication to advancing SDG 12: Responsible Consumption and Production entails the incorporation of various auxiliary measures. Aligned with the specific objective elucidated in SDG 12, the "sustainable e-waste management policy" closely aligns with a sub-policy of SDG 12.5. SDG 12.5 seeks to accomplish the sustainable management of generated e-waste. Such initiatives for campus sustainability can shape student behaviors, consumption habits, and waste generation patterns, nurturing individuals who are environmentally conscious and who carry these principles into their personal and professional lives. By emphasizing the sustainable management of e-waste, university campuses play an indispensable role in fostering awareness, education, and concrete steps that resonate with SDG 12.

The university's campaign for sustainable e-waste management has a multifaceted influence. They educate individuals, heighten awareness, champion sustainable methodologies, contribute to research and ingenuity, and potentially cultivate a culture of responsible consumption, production, and management. Since campuses serve as microcosms of broader societies, their endeavors hold the potential to influence broader perspectives and behaviors regarding environmental sustainability, thereby impacting the well-being of both current and future generations.

Policy Statement Pondicherry University shines as a symbol of steadfast dedication, passionately devoted to the extensive promotion of sustainable management of campus e-waste. This pursuit seamlessly harmonizes with the overarching objective of Goal 12.

Target As a pioneer in this virtuous mission, Pondicherry University's unyielding commitment serves as a motivating example, sparking the initiation of transformative measures across diverse levels and geographical boundaries by involving everyone.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall as a bulk consumer of electrical and electronic equipment, make every endeavor to strictly adhere to the E-Waste Management Rules, 2016, and its amendment from time to time to protect and conserve the campus soil, water, and biodiversity by embracing the targets of the multiple SDGs.
2. Pondicherry University shall execute through a dedicated office and team through fast track mode for 'environmentally sound management of e-waste' by taking all steps required to ensure that e-waste is managed in a manner that protects the health and the environment against any adverse effects from such e-waste.
3. Pondicherry University shall ensure that the e-waste generated is channelized through the collection center or dealer of the authorized producer or through the designated take-back service provider of the producer or any authorized dismantler or recycler in accordance with the Rules.
4. Pondicherry University shall enter into a Memorandum of Understanding/ Agreement with the related stakeholders for 'extended producer responsibility' and 'recycling' as applicable under the Rules.
5. Pondicherry University shall regulate the purchase of electrical and electronic equipment and provide awareness education to all stakeholders on the adverse effects of e-wastes.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.5 - Policy for E-Waste Management"

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.

Page 3



6. Pondicherry University shall provide a 'facility' for the collection, segregation, reception, storage, and to divert to the authorized refurbisher, dismantler, and recycler, for safe disposal of e-waste.
7. Pondicherry University shall provide awareness and capacity building to collect e-waste of any electrical and electronic equipment and channel it to the authorized dismantler for recycling or for disposal through the nodal office.
8. Pondicherry University shall as a bulk consumer of electrical and electronic equipment listed in Schedule I ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under.
9. Pondicherry University shall as a bulk consumer of electrical and electronic equipment listed in Schedule I, file annual returns in Form-3, to the concerned State Pollution Control Board/ Committee on or before the 30th day of June following the financial year to which that return relates.
10. Pondicherry University shall as a bulk consumer of electrical and electronic equipment listed in Schedule I maintain records of e-waste generated in Form-2 and make such records available for scrutiny by the concerned Enforcement Authority.
11. Pondicherry University shall apply to the Central Pollution Control Board and other bodies to obtain relevant certificate(s) for the import of research/ analytical equipment as amended under the Rules in 2022.





Contributors

Er. S. Sudalai

Assistant Professor

Centre for Pollution Control and Environmental Engineering

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/s-sudalai/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific Sub-Policy for SDG 12: Responsible Consumption and Production "SDG 12.5 - Policy for E-Waste Management" Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC, SDG-12.5-V2.0-23

Policy Number

PU-IQAC&OGC, SDG-12.5-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.5 - Policy for E-Waste Management"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - “SDG 12.6 - Policy for Sustainable Chemical & Hazardous Waste Management”





Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - “SDG 12.6 - Policy for Sustainable Chemical & Hazardous Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair.

The university's dedication to advancing Sustainable Development Goal (SDG) 12: Responsible Consumption and Production entails the incorporation of various auxiliary measures. One such measure, aligned with the specific target elucidated in SDG 12, is the "Sustainable Chemical & Hazardous Waste Management Policy" which closely aligns as sub-policy SDG 12.6. Gross chemical contamination, with grave damage to animal and human health, genetic structures, reproductive outcomes, and the environment, has been continuing globally. Hence, substantial use and maintenance of associated chemicals and hazardous waste are essential to meet the social and economic goals of the world community, and these can be used with a high degree of safety when best practices are followed. In this regard, through SDG 12.6 the university seeks to accomplish the reduction of chemicals and hazardous waste generated from science laboratories, maintenance departments, grounds maintenance, housekeeping wing, horticulture wing, sanitary wing, art department, healthcare facilities, special research programs, and others.

Policy Statement Pondicherry University stands as a beacon of unwavering commitment, fervently dedicated to categorizing the ‘hazardous nature of the waste’ by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances, and shall ensure segregation, handling, collection, reception, treatment, storage, preprocessing, co-processing, and proper disposal as deemed fit for compliance.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication serves as an inspiration, igniting the flames of transformative action at all levels far and wide.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold the cause of Chemicals and Hazardous Waste Management in accordance with the respective Rules, Protocols, and Standard Operating Procedures for safe and sustainable disposal, by source segregating and storing the waste generated as hazardous chemicals, biohazardous substances, radioactive materials, and animal and human infectious waste.
2. Pondicherry University shall in accordance with the Battery Waste Management Rules, 2022 educate the consumer (student, researcher, faculties, residents, staff, and others) on absolute liability to categorize and discard the waste batteries separately by not mixing with the waste stream, and to ensure that waste batteries are disposed off in an environment-friendly manner by giving it to an authorized entity engaged in collection or refurbishment or recycling.
3. Pondicherry University shall establish 'waste deposition centers' for domestic hazardous waste like discarded paints, solvents, fossil fuels, pesticides, CFL bulbs, tube lights, flasks, expired medicines, broken mercury thermometers, used batteries, used needles and syringes, drain openers, household cleaners, contaminated gauge, etc. generated at the quarters and hostels and give directions to waste generators to deposit domestic hazardous wastes at this center for its safe disposal.



- 
4. Pondicherry University shall demarcate areas where chemicals and hazardous waste is generated: science laboratories, maintenance department, fleet management, grounds maintenance, housekeeping wing, horticulture wing, sanitary wing, art department, healthcare facilities, special research programs, and others, and categorize the 'hazardous nature of the waste' by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances, and shall ensure segregation, handling, collection, reception, treatment, storage, preprocessing, co-processing, and disposal as deemed fit for compliance.
 5. Pondicherry University shall classify the Chemical/ hazardous waste into (i) waste from research activities, (ii) waste from non-research activities i.e. from administrative buildings (iii) waste from residential areas such as quarters and hostels, (iv) waste from medical facilities, and (v) any other for safe and environmentally sound management of chemicals and hazardous wastes.
 6. Pondicherry University shall through a dedicated team source segregate, collect, store, and transport the 'domestic hazardous waste', 'research laboratory waste', 'health care facility waste' and wastes from 'sanitary, housekeeping, and horticulture wings', and handover the segregated wastes to authorized waste pickers or waste collectors or refurbishers or empaneled agencies as per the direction or notification by the authorities from time to time and ensure safe storage and transportation of the domestic hazardous waste to the hazardous waste disposal facility or as may be directed by the State Pollution Control Board or the Pollution Control Committee or Competent Authority of the University.
 7. Pondicherry University shall in accordance with the radiation, hazardous substance, and biosafety protocols from time to time, educate the Principal Investigator(s) and Research Supervisor(s) on absolute liability to discard radioactive and biohazard wastes from the research labs/ facilities separately by not mixing with other waste streams, and to ensure that such wastes are disposed off in an environment-friendly manner by giving it to an authorized entity engaged in collection and disposal.
 8. Pondicherry University shall ensure 'extended producer responsibility, and/ or 'buyback' on all of its purchases related to hazardous wastes.
 9. Pondicherry University shall instruct the waste generators to ensure and monitor the hazardous waste holding containers are closed, sealed, and stored in ventilated areas before transportation. In addition, the waste must be compatible with the container and not corrosive, protecting human health and the environment against the adverse effects which may result from such waste.



10. Pondicherry University shall draft Hazardous Waste Disposal Guidelines/ Protocol and Standard Operating Procedure for identifying, storing, or transporting and shall make sure that it is done by the personnel who is familiar with this document and understand exactly what it says for compliance. In addition, all laboratory rooms, chemical storage areas, and areas where hazardous equipment or materials are used or stored need to be monitored, maintained, and cleared by well-trained or knowledgeable staff.
11. Pondicherry University shall instruct all the Principal Investigators, Research Supervisors, and Research Scholars for the safe operation of the laboratory and to improve the overall safety and compliance of the university. This includes the transfer/removal of chemical and hazardous material or hazardous waste from the laboratory and leaving these facilities in a safe condition.
12. Pondicherry University shall as the liability of the occupier enforce 'emergency preparedness and prevention measures' and 'accident reporting system' to assure safety in the workplace by adhering to the Central Government Rules, Notifications, and Amendments from time to time.
13. Pondicherry University shall involve student volunteers to inventory the chemical and hazardous waste generated within the campus.
14. Pondicherry University shall reintroduce the concept of pooling of chemicals and related resources to curtail the repetition or purchase of the same items and shall also enhance the available storekeeping facility to prevent spillage of chemicals by the key personnel, housekeeping personnel, and research assistants.





Contributors

Dr. S. Gajalakshmi

Professor
Centre for Pollution Control and Environmental Engineering
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-s-gajalakshmi/

Dr. R. Rukkumani

Professor
Department of Biochemistry and Molecular Biology
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-rukkumani/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University
<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - "SDG 12.6 - Policy for Sustainable Chemical & Hazardous Waste Management" Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.6-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.6-V2.0-23
1st Version: NLGCIAP-APSCC*-PU-March-2018
2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production “SDG 12.7 - Policy for Event Organizer”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.7 - Policy for Event Organizer”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.7 - Policy for Event Organizer”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

The university's commitment to advancing SDG 12: Responsible Consumption and Production involves the integration of various subsidiary measures. In conjunction with the specific objective outlined in SDG 12, the "Event Organizer Policy" closely corresponds as a sub-policy SDG 12.7, emphasizing responsible consumption and production. SDG 12.7 aims to ensure reducing food waste, promoting efficient resource use, and adopting sustainable practices. The university's event organizer policy that ties into SDG 12: campus sustainability initiatives can influence student behavior and consumption patterns, fostering a generation of environmentally conscious individuals who carry these values into their personal and professional lives.

University event organizer initiatives have a multifaceted impact. They educate individuals, raise awareness, promote sustainable practices, and potentially enhance national food and other resource security by fostering a culture of responsible consumption and production. As campuses serve as microcosms of larger societies, their efforts can influence broader attitudes and practices toward environmental sustainability, and the well-being of present and future generations.

Policy Statement Pondicherry University stands as a beacon of unwavering commitment, fervently dedicated to the widespread dissemination and enthusiastic promotion of resource efficiency and security while organizing events. This noble endeavor aligns harmoniously with the overarching Goal 12.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication serves as an inspiration, igniting the flames of transformative action at all levels far and wide.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall in accordance with the Solid Waste Management Rules, 2016 advocate to all organizers of the event like students, faculties, administrators, and others to ensure compliance by not causing any harm to the environment, humans, and animals.
2. Pondicherry University shall as a bulk waste generator, advise the organizer of the viva-voce, synopsis, birthday parties, and similar student/ staff functions/ events/ festivals to follow the procedure laid down for the 'event organizers' and the organizer of such event shall provide good quality food and related items and shall ensure segregation of waste at source and handing over the segregated waste to housekeeping staff or sanitary workers or left in the designated place as approved by the university.
3. Pondicherry University shall strictly instruct the engaged event organizer and the service provider to provide good quality food and other edible items. In addition, the engaged event organizer shall not use single-use plastic disposable boxes or containers or laminated papers/ boards/ sheets for food distribution. However, under certain circumstances, if used, the event organizer shall take additional measures to engage additional manpower and ensure the segregation of plastic and other kinds of waste at the source and manage them on their own by taking them back without harming the campus environment or violating the Rules.
4. Pondicherry University shall ensure that the engaged event organizer strictly avoids the banned plastic or artificial decoration items, foam sprays, etc. while organizing the event rather use eco-friendly materials/ products.





5. Pondicherry University shall ensure that the event organizer makes every opportunity to instruct the participants not to litter the plastics and other items during the event through authorized personnel, signage, boards, videos, etc. for compliance.
6. Pondicherry University shall ensure that the event organizer has adequate manpower and resources to source segregate, collect, sort, and manage the generated wastes on their own, or otherwise hand over the same to the waste collector or agency employed by the university in a source-segregated manner by paying the 'waste management fee' prescribed from time to time.
7. Pondicherry University shall collect from the event organizer 'user fee', 'climate/carbon fee' for the event, and 'fine' for littering in accordance with the Rules.
8. Pondicherry University shall instruct the event organizer not to use noisy sound systems that will affect other's studies or routines or privacy, in addition, shall obtain clearance from the Security/ Electrical Wing.
9. Pondicherry University shall instruct the event organizer to provide portable wash basins for outdoor events while ensuring the hand wash water directly flows to the adjacent trees, in consultation with the Civil Engineering Wing. In addition, the event organizer shall say 'no' to hand wash soap or otherwise shall use 'nontoxic/ ayurvedic' soap.
10. Pondicherry University shall instruct the event organizer to develop a balanced meal plan and to source from the local supplies to reduce food miles and greenhouse gas emissions and also to divert the excess food to orphanages or poor people ensuring quality as an act of justice.
11. Pondicherry University shall upload on the website an 'event organizer form' and ensure all events are organized and registered for compliance and the same shall be shown to the Environment Officers or Municipal Authorities or Enforcement Authorities on demand.
12. Pondicherry University shall encourage sustainable transportation options for attendees, such as promoting public transportation, carpooling, and providing bicycle parking facilities and also shall consider offsetting event-related travel emissions through carbon offset programs.
13. Pondicherry University shall have a measuring and reporting system to monitor and measure the environmental impacts of Pondicherry University's events, such as carbon emissions, waste generation, energy usage, and water usage, and use this data to set improvement targets and report on University's sustainability performance.
14. Pondicherry University shall ensure through an Authorized Officer, that the event organizer has fulfilled the requirements made by the university and handed over the event site in a sound manner as provided.





Contributors

Dr. P. S. Sibi

Associate Professor

Department of Tourism Studies

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/ms-sibi-p-s/

Dr. Sherry Abraham

Assistant Professor

Department of Tourism Studies

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-sherry-abraham/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/departments/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - "SDG 12.7 - Policy for Event Organizer", Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.7-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.7-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.7 - Policy for Event Organizer"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

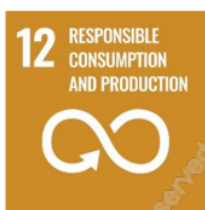
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

**Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production -
“SDG 12.8 - Policy for Campus Food Sustainability”**



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.8 - Policy for Campus Food Sustainability”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.8 - Policy for Campus Food Sustainability”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs.

The university's commitment to advancing SDG 12: Responsible Consumption and Production involves the integration of various subsidiary measures. In conjunction with the specific objective outlined in SDG 12, the "Campus Food Sustainability Policy" closely corresponds to a sub-policy SDG 12.8. SDG 12.8 aims to ensure the reduction of food waste, promote efficient resource use, and adopt sustainable practices. Here's how university campus food sustainability ties into SDG 12: campus sustainability initiatives can influence student behavior and consumption patterns, fostering a generation of environmentally conscious individuals who carry these values into their personal and professional lives. By focusing on the campus food systems, university campuses play a vital role in driving awareness, education, and tangible actions aligned with SDG 12.

University campus food sustainability initiatives have a multifaceted impact. They educate individuals, raise awareness, promote sustainable practices, contribute to research and innovation, and potentially enhance national food security by fostering a culture of responsible food production and consumption. As campuses serve as microcosms of larger societies, their efforts can influence broader attitudes and practices toward food sustainability, and the well-being of present and future generations while ensuring sustainable food production.

Policy Statement Pondicherry University is committed to taking proactive measures to ensure that the food served on campus is sustainably farmed and sourced. In addition, also promotes sustainable on-campus farming practices and recognizes the way it is produced and consumed to significantly reduce the impact on the environment.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication to food sustainability and national food security serves as an inspiration, igniting the flames of transformative action at all levels far and wide.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold the United Nations definition of food sustainability as the idea that something (e.g., agriculture and preparation of food) is done in a way that is not wasteful of our natural resources and can be continued without being detrimental to our environment or health and contributing to the food security.
2. Pondicherry University shall provide healthy and affordable food choices both vegetarian and non-vegetarian for all on-campus students and others emphasizing local produce.
3. Pondicherry University shall promote plant-based food options, and encourage the consumption of plant-based foods to reduce the environmental impact of animal farming, and also shall have a vegan day of the week to highlight the importance of nutrition, traditional practices, and agricultural produce.
4. Pondicherry University shall have a food committee and sub-committee to decide on the meal plan for the students.
5. Pondicherry University shall instruct the food committee to inspect the kitchen and dining area periodically for cleanliness and quality of food produced and provide monthly reports to the administration.





6. Pondicherry University shall have multiple catering services in strategic locations for hostellers, day scholars, and others covering the hostel mess, canteen, snacks bar, tea shop, and others.
7. Pondicherry University shall have monitoring and educating systems in place to provide affordable, nutritious, and quality food in sufficient quantity to the students from poor and vulnerable communities to prevent students' food insecurity and hunger.
8. Pondicherry University shall prioritize the purchase of products from local farmers, local food producers, and other sustainable and perennial sources to minimize food miles, wastage, and carbon emissions.
9. Pondicherry University shall instruct the mess, canteen, and cafeterias and monitor vigilantly that, no food waste should enter the drainage pipeline or the campus ground, in any manner, rather it must be upcycled as appropriate.
10. Pondicherry University shall ensure that the service providers (cafeterias, students' mess, snack bar, event organizer, and others) manage their food waste in accordance with the relevant policies, protocols, and standard operating procedure of the Government and Pondicherry University to curb the greenhouse gas emission and pathogens from the food waste.
11. Pondicherry University shall instruct the mess and canteen contractors to strategically evolve meal plans to minimize food wastage, to divert the excess food to orphanages or poor people by ensuring its quality, and also ensure that the foods are consumed within the recommended time limit before its quality compromised.
12. Pondicherry University shall in collaboration with relevant stakeholders, celebrate student-centered and student-led 'campus food sustainability week' annually complementing World Bread Day.
13. Pondicherry University shall encourage students, scholars, faculties, staff, and quarters dwellers to be involved in on-campus agricultural activities and to showcase their produce during the 'campus food sustainability week'.
14. Pondicherry University shall through the students collaborate with local non-governmental organizations to promote food sustainability activities among the affiliated institutions, schools, and communities fostering climate change adaptation and national food security.
15. Pondicherry University shall have a dedicated team/ office to educate on cooking nutritious rich food, minimize food waste generation, and measure, track, and control the amount of food waste generated from food produced within the university and for the food outsourced.





Contributors

Dr. Alok Sharan

Professor

Department of Physics

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-alok-sharan/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.8 - Policy for Campus Food Sustainability”. Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-12.8-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.8-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.8 - Policy for Campus Food Sustainability”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production “SDG 12.2 - Policy for Sustainable Plastic Waste Management”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.2 - Policy for Sustainable Plastic Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.2 - Policy for Sustainable Plastic Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs all geared towards fostering cooperation and enriching faculty development.

The university's dedication to advancing Sustainable Development Goal (SDG) 12: Responsible Consumption and Production entails the incorporation of various auxiliary measures. Aligned with the specific objective elucidated in SDG 12, the "sustainable plastic waste management policy" closely aligns with a sub-policy of SDG 12.2. SDG 12.2 seeks to accomplish the reduction of plastic usage, including the prohibition of single-use plastics, while also promoting the sustainable management of generated plastic waste. This is exemplified in how the university manages plastic waste, aligning with SDG 12: initiatives for campus sustainability can shape student behaviors, consumption habits, and waste generation patterns, nurturing individuals who are environmentally conscious and who carry these principles into their personal and professional lives. By emphasizing the elimination of plastic items, university campuses play an indispensable role in fostering awareness, education, and concrete steps that resonate with SDG 12.

The university's campaigns, such as 'say no to plastic' and 'plastic-free campus', have a multifaceted influence. They educate individuals, heighten awareness, champion sustainable methodologies, contribute to research and ingenuity, and potentially cultivate a culture of responsible consumption and production. Since campuses serve as microcosms of broader societies, their endeavors hold the potential to influence broader perspectives and behaviors regarding environmental sustainability, thereby impacting the well-being of both current and future generations.

Policy Statement Pondicherry University shines as a symbol of steadfast dedication, passionately devoted to the extensive promotion of a vibrant, plastic-free campus. This honorable pursuit seamlessly harmonizes with the overarching objective of Goal 12.

Target As a pioneer in this virtuous mission, Pondicherry University's unyielding commitment serves as a motivating example, sparking the initiation of transformative measures across diverse levels and geographical boundaries by involving everyone.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall make every endeavor to strictly adhere to the Plastic Waste Management Rules, 2016, and its amendment from time to time to protect and conserve the on and off-campus soil, water, and biodiversity in addition to embracing the targets of multiple SDGs.
2. Pondicherry University shall provide awareness education to all stakeholders and update periodically on the directions from the enforcement authorities and municipalities which is pivotal for the Housekeeping & Sanitary Wing to deal with the growing legacy of plastic waste.
3. Pondicherry University shall instruct the research guide, mentors, faculties, and scholars concerned to source segregate the plastic and other dry wastes during the synopsis, viva-voce, birthday parties, etc., and to hand over the same to the housekeeping staff for its sustainable disposal.
4. Pondicherry University shall instruct the Departments, Centers, Administrative Wings, and others concerned for purchasing cotton backdrops/ banners over PVC Flex, and to convert them into cotton carry bags by adhering to the Emblem Act or Protocols related to Logo/ Emblem.
5. Pondicherry University shall instruct the office bearers of all its Wings, Centers, Departments, and others concerned to avoid purchasing or using the banned and other single-use plastic items from time to time while conducting meetings and events.





6. Pondicherry University shall instruct the service providers (canteen, mess, teashop, eateries, shopping complex, etc.) to avoid the use of banned and other single-use plastic items and regulate the procedures for the 'Event Organizers', 'Contractors/ Service Providers' as applicable under the Rules, Notifications, and Protocol.
7. Pondicherry University shall engage service providers to source segregate and sort the plastic bottles, packets, packing materials, carry bags, etc. in hostels, canteens, and academic blocks to ensure the reduction in plastic waste volume generated and prevent its entry into the landfill.
8. Pondicherry University shall instruct the Manager and Supervisors of the Guest Houses and Convention Centers to keep sign boards at strategic locations to avoid plastic usage by the guests.
9. Pondicherry University shall collect the 'user fee' and impose a 'spot fine' for littering and not source segregating in compliance with the Rules or Bye-Laws or Polluter Pay Principle or as applicable.
10. Pondicherry University shall collaborate with relevant stakeholders and research microplastic and nano-plastics pollution, implication, and abatement.
11. Pondicherry University shall through a dedicated office, document, report, and disseminate as deemed fit for compliance, pollution prevention, and environmental protection.
12. Pondicherry University shall provide certificate courses and green skill development programs on Sustainable Plastic Waste Management and incubate volunteers and stakeholders for establishing recovery facilities.
13. Pondicherry University shall provide student-centered awareness raising to the neighboring communities on plastic pollution and its adverse effects on human and animal health.
14. Pondicherry University shall campaign for a student-led and student-centered 'plastic-free campus' and shall make every effort to minimize the entry of microplastics and nano-plastics into the soil and water.
15. Pondicherry University shall periodically conduct multiple inventories related to plastic waste and evolve strategies to minimize waste generation.
16. Pondicherry University shall conduct research on plastic waste upcycling/downcycling by collaborating with research-based non-government organizations, institutions, and government departments. and industries.
17. Pondicherry University shall develop a standard operating procedure for sustainable plastic waste minimization, management, and disposal.





Contributors

Er. S. Sudalai

Assistant Professor

Centre for Pollution Control and Environmental Engineering

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/s-sudalai/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.2 - Policy for Sustainable Plastic Waste Management”.

Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.2-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.2-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.2 - Policy for Sustainable Plastic Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University
R. Venkataraman Nagar
Kalapet
Puducherry – 605014
INDIA
www.pondiuni.edu.in

Pondicherry University SDG 12: Responsible Consumption and Production
Goal-Specific
Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management





Pondicherry University

88 Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management

1. Purpose

Plastic pollution has emerged as a pressing global issue, posing severe threats to the environment, biodiversity, ecosystems, and human well-being. The production of plastic has skyrocketed from 2 million tons annually in 1950 to a staggering 460 million tons in 2020, signifying a nearly 230-fold increase. Today, plastics, including micro and nano plastics, have become omnipresent in our natural surroundings. Shockingly, approximately every minute, an equivalent of one garbage truck full of plastic is dumped into our oceans, a grave concern highlighted by the United Nations Environment Programme, warning about the adverse impacts of plastic pollution on sustainable development in environmental, social, economic, and health dimensions.

In response to this alarming situation, the Ministry of Environment, Forest, and Climate Change (MoEF&CC), Government of India has taken crucial steps to combat plastic pollution and its consequences. In 2016, they introduced the Plastic Waste Management (PWM) Rules, aiming to curtail plastic pollution in the country. Subsequently, in 2021, the Ministry implemented the Plastic Waste Management Amendment Rules, which banned the manufacture, import, stocking, distribution, sale, and use of specific single-use plastic items known for their low utility and high littering potential. These measures came into effect on 1st July 2022.

- i. earbuds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice-cream sticks, polystyrene [Thermocol] for decoration;
- ii. plastic plates, cups, glasses, cutlery such as forks, spoons, knives, straws, trays, wrapping or packing films around sweet boxes, invitation cards, cigarette packets, plastic or PVC banners, and stirrers.

In addition, the Extended Producer Responsibility for Plastic Packaging vide Plastic Waste Management Amendment Rules, 2022, has been issued to E-commerce companies, leading single-use plastic sellers/users, and plastic raw material manufacturers with respect to phasing out of identified single-use plastic items.





The Rules and Amendments serve as the legal foundation for environmentally sound plastic waste management nationwide. To comply with this, the educational institutions in States and Union Territories, have been approached by the University Grants Commission (UGC) and the All India Council for Technical Education (AICTE). These bodies have issued notifications and orders, introducing frameworks and regulations that enforce a complete ban on single-use plastic items. Additionally, the ban on single-use plastics has been integrated into various initiatives such as 'Swachh Survekshan', 'Star Rating of Garbage Free Cities', and as a prerequisite for participation in the 'Safaimitra Suraksha Challenge' and others.

In light of these developments, Pondicherry University has taken proactive steps in addressing plastic waste management. Jointly, they created the Comprehensive Green Protocol in 2018, the drafted SDG goal-specific policy on Sustainable Plastic Waste Management in 2018, and the Standard Operating Procedure (SOP) in 2023. These documents outline the strategies for minimizing plastic usage within the university campus and affiliated institutions and outreach. The SOP details procedures for the minimization and proper disposal of source-segregated plastic waste fostering a “single-use plastic-free campus”. Moreover, the university has dedicated teams responsible for sustainable waste management, including plastic, and they oversee monitoring, documentation, dissemination, compliance, and enforcement efforts:

- Civil Engineering Wing
- Project Management Consultancy Services
- Sanitary Workers
- House-keeping Staff
- Hostel Office (Boys and Girls)
- Office of Services & Hostels
- Office of Students Welfare
- Office of Green Campus

This comprehensive approach aims to ensure effective and responsible plastic waste management both on-campus and beyond, in line with sustainable practices.

2. Aim

Pondicherry University, its satellite campuses, and its affiliated institutions are ‘free from single-use plastics’ and sustainably minimizing the generation and managing the other forms of plastic waste.

3. Scope

- The total ban on the single-use plastic items inside the campus
- Sustainably manage the plastic waste generated and prevent its entry into landfills or oceans.
- Inculcate responsible and environmentally conscious behavior among all stakeholders.





- Promote the recycling of plastic wastes as much as possible by segregation and transferring to the recycling center through an authorized recycler or empaneled reputed agency.

4. Anticipated Outcome

The green and clean campus of the University/ Institutions are free from single-use plastics but rich in biodiversity and a clean environment for healthy living.

5. Complements

- University Grants Commission's and All India Council for Technical Education's Mandate
- Government of India Missions: LiFE, Climate, Green India, etc.
- Union Ministry of Environment, Forest and Climate Change – Rules, Amendments, and Notifications and Regional Governments Bye-Laws..
- Compliance with Sustainable Development Goals (SDGs): Goal 3 (Good Health and Well-Being), Goal 6 (Water and Sanitation), Goal 11 (Sustainable Cities and Communities), Goal 12 (Responsible Consumption and Production), Goal 13 (Climate Action), Goal 14 (Life Below Water), Goal 15 (Life on Land), Goal 17 (Partnerships for the Goals).

6. Definitions as per Rules

As per the Plastic Waste Management Rules, 2016.

Rule 3 (l) “institutional waste generator” means and includes *occupier of the institutional buildings* such as buildings occupied by Central Government Departments, State Government Departments, public or private sector companies, hospitals, schools, colleges, universities, or other places of education, organization, academy, hotels, restaurants, malls, and shopping complexes.

Rule 3 (x) “waste generator” means and includes *every person or group of persons or institution, residential and commercial establishments including Indian Railways, Airport, Port and Harbor and Defense establishments which generate plastic waste.*

Rule 3 (y) “waste management” means the *collection, storage, transportation reduction, reuse, recovery, recycling, composting, or disposal of plastic waste in an environmentally safe manner.*

7. Responsibility of the Waste Generator as per Rules

As per Rule 8. Responsibility of waste generator.-

(1) The waste generator shall.-

- (a) take steps to minimize the generation of plastic waste and segregate plastic waste at source in accordance with the Solid Waste Management Rules, 2000, or as amended from time to time.





28

(b) not to litter the plastic waste and ensure segregated storage of waste at the source and hand over segregated waste to the urban local body or gram panchayat or agencies appointed by them or registered waste pickers, registered recyclers, or waste collection agencies.

10

(2) All institutional generators of plastic waste, shall segregate and store the waste generated by them in accordance with the Municipal Solid Waste (Management and Handling) Rules, 2000 notified vide S.O 908(E) dated 25th September, 2000 under the Act or Amendment from time to time and handover segregated wastes to authorized waste processing or disposal facilities or deposition centers either on its own or through the authorized waste collection agency.

8. Fees as per the Rules

As per **Rule 8. Responsibility of Waste Generator**:-

(3) All waste generators shall pay such 'user fee or charge' for plastic waste management (waste collection, storing, transportation, or operation of the facility thereof, etc.)

82

9. Fine as per the Rules

As per The Solid Waste Management Rules, 2016: 'Waste generator' is each and every individual, and a 'fine' shall be imposed for littering.

3

Rule 3(56): "waste generator" means and includes every person or group of persons, every residential premise, and non-residential establishment including Indian Railways and defense establishments, which generate solid waste.

49

Rule 4(2): No waste generator shall throw, burn, or bury the solid waste generated by him/her on streets, or open public spaces outside his/her premises or in the drain.

Rule 3(23): "fine" means a penalty imposed on the waste generator.

10. Standard Operating Procedure (SOP)

Pondicherry University places significant emphasis on providing its students with a Green and Clean Campus. The university is dedicated to conserving campus biodiversity and promoting environment-conscious behavior, with the overarching goal of addressing the triple planetary crisis: climate change, biodiversity loss, and pollution. To achieve this, the university has formulated a comprehensive Standard Operating Procedure (SOP) that aligns with the Plastic Waste Management Rules and the Comprehensive Green Protocol. The SOP serves as a guideline for managing plastic waste effectively and responsibly within the university premises. It outlines various procedures and protocols under different categories for easy comprehension and adherence by the university community. The document will be subject to periodic updates and revisions to stay in line with the evolving guidelines from the Government of India and the University Grants Commission. This commitment





ensures that the university stays up-to-date¹² with the latest environmental regulations and best practices. The following are the identified 'single-use plastic items', which have low utility and high littering potential with effect from the 1st July 2022 under the direction of the Ministry of Environment, Forest and Climate Change:

- i. earbuds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice-cream sticks, polystyrene [Thermocol] for decoration;²⁸
- ii. plastic plates, cups, glasses, cutlery such as forks, spoons, knives, straws, trays, wrapping or packing films around sweet boxes, invitation cards, cigarette packets, plastic or PVC banners less than 100 microns, and stirrers.¹¹

This Standard Operating Procedure (SOP) applies not only to the above-mentioned 'single-use plastic items' but also to all the other kinds of plastic waste generated inside the campus.

A. General

1. All waste generators (i.e., any individual including the Student/ Research Scholar/ Faculty/ Staff/ Contractor/ Worker/ Others) shall source segregate the plastic waste from other wastes wherever it may be inside the campus.
2. Source-segregated plastics shall be placed in the color-coded bin or otherwise handed over to the housekeeping staff of that building/ floor/ lab.
3. No waste generator (i.e., any individual including the Student/ Research Scholar/ Faculty/ Staff/ Contractor/ Worker/ Others) shall throw/ litter any form of plastic waste in any manner on soil/ drain/ water.
4. If littered by the waste generator (i.e., any individuals inside the campus), a 'fine' shall be imposed in accordance with the Rules as prescribed by the Administration Authority of the University from time to time.
5. Such 'imposed fine' shall be paid within 3 working days to the HoD concerned or Hostel Office or Authorized Office or Bank and a receipt shall be given for the same to the Competent Authority. **Failing it will be doubled every 7 days (i.e., weekly).**
6. All waste generators (i.e., any individual or service-providing organization inside the campus) shall pay 'user fee or charge' as may be specified by the University Authority for plastic waste management covering: providing color-coded bins for source segregation, collection, sorting (primary storage), lifting, transportation, storing (secondary storage), handing over to the authorized recycler or empaneled agency or operator of such facility or recovery of materials in any manner.





7. Such **'user fee or charge'** shall be collected at the time of admission from the students and on a monthly/ yearly basis for others.
8. A **'Strict Compliance Declaration'** shall be made by each and every student at the time of admission for strict adherence to the Plastic Waste Management Rules, Green Protocol, and Standard Operating Procedure that are in force and amended from time to time
9. All kinds of plastic waste associated with the purchase(s) done by the Purchase Wing and paid by the University shall look into Extended Producer Responsibility and comply with the procedure associated with it, or otherwise collect and hand over to the housekeeping staff.

All kinds of plastic wastes associated with the project, and research-related purchases done by the Faculty or Department or University shall look into Extended Producer Responsibility and comply with the procedure associated with it, or otherwise collected and handed over to the housekeeping staff.

B. For Administrative Buildings

All Administrative Sections, Wings, and Offices:

1. Shall avoid the use of banned single-use plastics
2. Shall source-segregate the plastic waste from other wastes.
3. Shall either place the segregated plastic waste in the color-coded bin or hand it over to the housekeeping staff separately.
4. Shall make sure the use of biodegradable or recyclable items in the meetings as much as possible and source segregate and manage the unavoidable plastic wastes generated during such meetings alongside refreshments and others.
5. Shall collect the plastic water bottles and associated packing materials separately on a day-to-day basis, and also shall make an effort to minimize or eliminate the purchase of bottled water except for protocols related to VIP and others.
6. Recommend a glass/ steel/ ceramic tumbler with a water dispenser/ purifier/ personal flask as an alternative to bottled water.
7. Shall not purchase or use any banned decorative items for Pooja Celebrations or others.
8. Shall use cloth banners or posters for advertisement or promotion.





C. For Academic Buildings

All Academic Departments, Research Labs, and Associated Offices:

1. Shall not purchase or use any of the banned single-use plastic items as laid down by the Ministry or Regional Competent Authority.
2. Shall have the color-coded bins (blue and green) in its strategic locations as provided by the Service Provider/ Sanitary Workers.
3. Shall instruct the students not to dislocate and/ or damage the respective bins and shall inform the housekeeping staff immediately in this regard.
4. Shall educate the students on environmentally conscious behavior.
5. Shall advise the organizer of the viva-voce, synopsis, birthday parties, and similar functions/ events/ festivals to follow the procedure laid down for the 'Event Organizers' under the Rules.
6. Shall advise all the attendees during the viva-voce, synopsis, birthday parties, and similar functions/ events/ festivals to unfold the cake or sweet boxes and arrange other refreshment packs and hand them over separately in the dedicated location for safe and sound management.
7. Shall hand over the plastic and glass chemical/ reagent bottles separately to the housekeeping staff (for its management and disposal will be in accordance with the Chemical/ Biomedical/ Hazardous Waste Management).
8. Shall use cotton banners instead of PVC flex banners.
9. Post-event the cotton banners shall be converted into designer or utility bags (by not violating the Notified Emblem/ Logo Act and Rules).

D. For Hostels (Boys & Girls)

All the Hostellers:

1. Shall without compromising or violating any of the University Hostel policies, Rules, or Regulations take every opportunity to comply with the University Grants Commission and All India Council for Technical Education Mandates, Solid and Plastic Waste Management Rules notified by the concerned Ministry for Environment Forest and Climate Change, and Green Protocol and shall strictly follow this SOP for the compliance and for sustaining the campus life support system: soil, water and air and other forms of wildlife.
2. Shall with enlightened self-interest, edify each other for pollution minimization and sound waste management as 'prevention is better than cure'.





3. Shall neither entertain nor purchase or use any of the banned single-use plastic items inside the campus including hostels.
4. Shall source segregate water bottles, beverage bottles, plastic covers, tins, and cans in any manner and drop them in the respective color-coded bins or hand them over to the housekeeping staff.
5. Shall hand over any broken or used plastic materials or chairs or any kind to the housekeeping staff for compliance.
6. Shall not dislocate the color-coded bins thereby causing inconvenience to other hostellers. Repetition shall attract disciplinary action.
7. Shall not damage any color-coded bin or the educational posters or any other facilities provided by the University for compliance with the Plastic & Solid Waste Management Rules.
8. Shall take responsibility for collecting, segregating, and handing over the wastes to housekeeping staff that arise as an outcome of any gathering/ party/ event permitted under the Hostel Rules of the University.
9. Shall hand over the packing materials waste that arises as an outcome of shopping in any manner to the respective house-keeping staff or drop it in the color-coded bin
10. Shall not throw the plastic waste through the windows/ balcony/ rooftop/ veranda/ any free space
11. Shall not litter the adjacent landscape
12. Shall not play sports with plastic waste materials
13. Shall not pet or feed the dog with plastic materials
14. Shall inform their respective Wardens about such conduct and the Warden shall impose a 'fine' for littering.
15. Shall vigilantly watch for littering or hiding or dropping or draining or otherwise and inform the respective Warden





All Girl Students:

All girl students in addition:

16. Shall strictly follow the procedure laid down for the sanitary napkin waste disposal and dispose of the associated plastic packing material separately in the 'color-coded bin' and the used napkins separately in the 'feminine hygiene bin'.

All Concerned Wardens:

17. Shall on a daily basis inspect the respective hostels and instruct the students and housekeeping staff to use the color-coded bins as deemed fit.
18. Shall impose 'fine' for littering as per the Notified Rules.
19. Shall advise/ educate the hostellers periodically.
20. Shall encourage volunteers to audit, document, and report drafting.

The Chief Wardens (Boys and Girls)

21. Shall provide environmental education for the hostellers at least once every semester.
22. Shall periodically visit all Hostels and check for compliance with this SOP.
23. Shall address any issue related to the adherence to Plastic Waste Management Rules (2016) and Solid Waste Management Rules (2016), as notified from time to time.
24. Shall daily verify the related log book or register in the Hostel Office.

Service Providers (House Keeping Staff and Sanitary Workers)

25. Shall discharge their duties in a time-bound manner in all the hostel buildings/ floors/ wings (minimum twice - collecting, sorting, and disposing).
26. Shall source segregate the sanitary chemical bottles, cans, and containers and dispose separately.
27. Shall collect separately the broken, used and damaged parts of the sanitation and cleaning tools and dispose separately.
28. Shall inform the Warden or Hostel Office for any non-compliance act of the hostellers.





Hostel Office (Boys and Girls)

29. Shall not purchase any banned plastic items and shall dispose of any old stock that exists.
30. Shall maintain a separate log book and register to monitor and record all acts in this regard and shall produce on demand by the concerned Officers or Authorities

For Hostel Mess (Boys and Girls) and Canteen Contractors

All hostel mess & canteen contractors/ managers/ supervisors:

1. Shall source segregate the culinary-related plastic sachets, tins, cans, and bottles and dispose of them as per the contract agreement or as per the instructions from the administration or otherwise hand over the same to the university waste collecting team.
2. Shall **‘avoid the purchase’** of banned single-use plastic items.
3. Shall pay **‘user fee’** for utilizing the waste management facilities of the university (i.e., handing over the hostel mess contractor's plastic waste to the university waste collecting team/ system).
4. Shall pay **‘fine’** for not complying with the SOP in accordance with the Plastic & Solid Waste Management Rules and Green Protocol.

E. For Shop Keepers in the Shopping Complex

All shopkeepers in the Shopping Complex:

1. Shall source segregate their waste and hand over plastic waste separately to the University waste collectors
2. Shall not use or sell any banned plastic items.
3. Shall use food-grade papers, covers, and plates as an alternative to plastic.
4. Shall make sure that the plastic wastes are not soiled and disposed of.
5. Shall use glass/ stainless steel tea tumblers and glass/ stainless steel juice tumblers instead of paper cups and shall have adequate manpower and resources to collect and clean such tumblers before next use.
6. Shall avoid single-use plastic juice containers for takeaway irrespective of thickness.
7. Shall avoid any kind of plastic bags irrespective of thickness.





8. Shall not recommend or use paper carry bags as a substitute for plastic carry bags.
9. Shall sell cotton bags or another kind as a substitute for plastic.
10. Shall provide a cotton carry bag (value added with the purchase).

F. For Quarters Dwellers

All quarters dwellers:

1. Shall source segregate the plastic wastes from other solid wastes and hand over the same to the door-to-door waste collectors or otherwise drop it separately at the waste collection spot.
2. Shall not mix diaper and sanitary napkin waste along with plastic and other household waste or otherwise soil the plastic waste.
3. Shall educate and instruct the household servant to source segregate and drop the plastic waste separately for safe management in accordance to the Rules and By-laws.
4. Shall not burn or bury plastic waste.
5. Shall not burn any waste in any manner including horticulture waste.
6. Shall pay 'user fee' for proper management and 'fine' for littering in accordance with Plastic & Solid Waste Management Rules.

G. For Guest House

All guest house In-charge(s), Manager(s), Supervisor(s):

1. Shall restrict the entry of plastics inside the building/ premises.
2. Shall instruct the service provider and caretaker to avoid the use of banned plastics while providing service to the guests.
3. Shall avoid plastic plates and cutleries while serving food.
4. Shall provide a water jug or flask for the guest instead of water bottles.
5. Shall source segregate the plastic of any kind used by the guests during their stay and dispose of it through the waste management team.
6. Shall collect 'user fee' or 'green fee' for waste management in addition to rent and others.
7. Shall impose and collect a 'fine' for littering.





H. For Event Organizers (Cultural cum Convention Center, Seminar Hall, etc.)

All event organizers like students, faculties, administrators, and others:

1. Shall strictly avoid the banned plastic decoration items while organizing the event.
2. Shall try every means not to use single-use plastic disposable boxes or containers for food distribution. Under unavoidable circumstances, shall make sure such containers are collected separately and disposed of sustainably.
3. Shall make every opportunity to instruct the participants not to litter the plastics associated with the event.
4. Shall keep sign boards at all strategic locations to instruct the participants
5. Shall have adequate manpower and resources to source segregate, collect, sort, and manage the plastic and other generated wastes
6. Shall strictly ensure segregation of plastic and other kinds of waste at source and manage on their own without harming the campus environment or violating the Rules.
7. Shall otherwise, hand over the same to the waste collector or agency employed by the university in a source-segregated manner.
8. Shall pay 'user fee' for waste management
9. Shall pay 'climate/carbon fee' for the event
10. Shall impose and collect 'fine' for littering
11. Shall also in addition comply with the Policy, Protocol, and SOP laid for Event Organizers from time to time.

I. Solid Waste Management Contractors

The solid waste management contractors

1. Shall instruct the housekeeping staff to sort the source-segregated plastic waste and hand it over separately to the waste collection and transportation team.





2. Shall instruct the supervisors to strictly monitor the sorting and handing over process on a daily basis
3. Shall guide the supervisors to fill out the prescribed data collection template provided by the Office of Green Campus and enter it digitally on a daily basis.
4. Shall instruct the housekeeping staff and supervisors to inform the Hostel Office, Wardens, and HoDs of unethical or noncompliance behavior of the students and others immediately and the same shall be recorded in the log book of the supervisor.
5. Shall strictly follow the instructions provided for the 'event organizers'.
6. Shall monitor the condition of color-coded bins and their locations. If any change in the condition or location shall inform the concerned Hostel Office, Warden, and HoD
7. Shall register any accident or others in the portal of the Civil Engineering Wing.
8. Shall impose a 'fine' on any of their staff for not adhering to the plastic waste management as instructed.
9. Shall pay a 'fine' for nonperformance of their duty with regard to Plastic Waste Management Rules and Solid Waste Management Rules.

J. Civil Engineering Wing (PU)

1. Shall coordinate and implement this SOP in the campuses of Pondicherry University
2. Shall instruct its staff to monitor and implement plastic waste management-related activities continuously and shall take appropriate actions against violators of this SOP.
3. Shall ensure timely collection of 'user fee' and 'fine' through a dedicated officer in the Wing
4. Shall make sure that all the facilities are provided without any delay for the compliance of this SOP inside the campuses of Pondicherry University.





K. Office of Green Campus (PU)

1. Shall oversee all the activities related to Solid and Plastic Waste Management for compliance.
2. Shall appraise the University administration, and Civil Engineering Wing on all the amendments and mandates by the Central Government, State Government, and UGC in his regard. If required, appropriate amendments may be adopted in this SOP in consultation with the Department of Ecology and Environmental Sciences, PU, and others as deemed fit.
3. Shall provide guidance and technical support to the Health Centre, Engineering Wing, Cultural cum Convention Centre, Sanitary Wing, Wardens, Hostel Office, Mess and Canteens, Shopping Complex, Garbage Collectors, and Contractors by streamlining and introducing strategies for sustainability.
4. Shall develop educational awareness materials to inculcate environment-conscious behavior among all stakeholders.
5. Shall develop educational documentaries on 'Know-how', 'What is What', and 'How to Manage' Plastic and Solid Waste
6. Shall develop project(s) for plastic waste reusing/ recycling in collaboration with relevant faculty and experts.
7. Shall catalyze collaborations and equitable partnerships with empaneled reputed agencies, authorized recyclers, industries, NGOs, and Institutions both National and International for sustainable plastic waste management.

11. Conclusion

SOP is expected to make Pondicherry University a role model for the best practice 'plastic waste minimization and management'. Further, the SOP will be revised and updated as deemed fit for effective minimization and management of plastic wastes, in compliance with the Amended Rules, Notifications, Protocols, and Mandates, periodically.



Note

- Fine is proposed not to punish the violator but to make him/her realize the responsibility towards the nature.
- The SOP will be updated and revised periodically

References

1. Plastic Waste Management Rules, 2016
<https://thc.nic.in/Central%20Governmental%20Rules/Plastic%20Waste%20Management%20Rules,%202016.pdf>
2. Plastic Waste Management Rules, 2016 as amended in 2018
<https://cpcb.nic.in/displaypdf.php?id=cGxhc3RpY3dhc3RIL1BXTV9HYXpldHRILnBkZg==>
3. Plastic Waste Management Rules, 2016 as amended in 2021
<https://cpcb.nic.in/uploads/plasticwaste/Notification-12-08-2021.pdf>
4. Draft Plastic Waste Management Rules, 2022
<https://cpcb.nic.in/uploads/plasticwaste/draft-pwmrules-2022.pdf>
5. 2nd Amendment to Plastic Wastes Management Rules, 2022
<https://cpcb.nic.in/uploads/plasticwaste/2-amendment-pwmrules-2022.pdf>
6. Comprehensive Green Protocol for the Educational Institutions
<https://www.apscglobal.org/2018/04/13/comprehensive-green-protocol/>
<http://www.apscglobal.org/wp-content/uploads/2018/04/Green-Protocol-Book-Final-9-8-2018.pdf>
<https://dste.py.gov.in/Envispy/assets/pdf/Book/Green%20Protocol.pdf>
<https://www.thehindu.com/news/cities/puducherry/green-protocol-for-ut-released/article23598802.ece>
7. Oulgaret Municipality Solid Waste Management (OM-SWM) Bye-laws, 2021.
<https://styandptg.py.gov.in/2022/AUGUST/EXTRAORDINARYPART-II/1/35-PART-II%20dated%2010-08-2022.pdf>
8. Oulgaret Municipality Bye-Laws for Plastic Waste Management, 2019 & Draft Bye-Laws (Amendment), 2022
<https://styandptg.py.gov.in/2022/APRIL/EXTRAORDINARYPART-II/1/18-PART-II%20dated%2018-04-2022.pdf>



Stakeholders

Dr. Joseph Selvin,

Professor,
Dean, Research,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-joseph-selvin/

Dr. S. Victor Anandkumar ,

Professor,
Dean, School of Law,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-s-victor-anandkumar/

Dr. K. Srinivasamoorthy,

Professor,
Department of Earth Sciences,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-k-srinivasamoorthy/

Dr. D. Ramamoorthy,

Professor,
Department of Ecology & Environmental Sciences,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-d-ramamoorthy/

Prof. B. Charumathi,

Professor,
Department of Management Studies,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-b-charumathi/

Dr. A. Shahin Sultana,

Professor,
Department of Social Work,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-a-shahin-sultana/

Dr. K. Anbu,

Professor,
Department of Social Work,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-k-anbu/

Dr. R. Nalini,

Professor,
Department of Social Work,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-r-nalini-2/

Dr. R. Rukkumani,

Professor,
Department of Biochemistry and Molecular Biology,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-r-rukkumani/





Dr. S. Gajalakshmi,

Professor,
Centre for Pollution Control and Environmental Engineering,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-s-gajalakshmi/

Dr. E. Sreekala,

Professor,
School of Education,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-e-sreekala/

Dr. Lakhimai Mili,

Professor,
Department of English,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-lakhimai-mili/

Dr. Radhika Khanna,

Associate Professor,
Department of Electronic Media and Mass Communication,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-radhika-khanna-emnrc-head-i-c/

Dr. G. Subhalakshmi,

Assistant Professor,
School of Law,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-g-subhalakshmi-2/

Dr. M S. Nanda Kishor

Public Relations Officer,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. S. I. Humayun

NCC Officer,
UMISARC – Centre for South Asian Studies,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-s-i-humayun/

Dr. C. Satheesh Kumar.

NSS Officer.
Department of Social Work,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-c-satheesh-kumar/

Dr. A. Saravanan,

Deputy Registrar (Hostels and Services),
Pondicherry University.
<https://www.linkedin.com/in/saravanan-a-84437618/?originalSubdomain=in>

Dr. R. Vishnu Vardhan,

Deputy Coordinator,
Internal Quality Assurance Cell,
Pondicherry University.
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/





Contributors

Dr. K. Sivakumar,

Professor,

Department of Ecology and Environmental Sciences,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/prof-k-sivakumar/

Dr. R. Arun Prasath,

Professor,

Department of Green Energy Technology,
Pondicherry University.

https://www.pondiuni.edu.in/faculty_profiles/dr-r-arun-prasath/

Er. V. Mourougavelou,

Head (i/c),

Civil Engineering Wing,

Pondicherry University.

<https://www.pondiuni.edu.in/department/engineering-wing/>

Dr. M. Nandhivarman*,

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific SOP for SDG 12, SDG-12.2.1- Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC, SDG-SOP-12.2.1.-23

Policy Number

PU-IQAC&OGC, SDG-SOP-12.2.1.-23

Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific SOP for Goal 12: Responsible Consumption and Production
"SDG 12.2.1. - Standard Operating Procedure (SOP) for Plastic Waste Minimization, Handling, and Management"
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.3 - Policy for Sustainable Biomedical Waste Management”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.3 - Policy for Sustainable Biomedical Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.3 - Policy for Sustainable Biomedical Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

Aligned with the specific objective outlined in Sustainable Development Goal (SDG) 12, the "sustainable biomedical waste management policy" closely corresponds to a sub-policy SDG 12.3. SDG 12.3 focuses on the sustainable management of generated biomedical waste. This commitment is demonstrated in how the university handles biomedical waste originating from research laboratories, animal facilities, and health centers. In alignment with SDG 12, providing sufficient resources and appropriate facilities and MoU with Common Biomedical Waste Treatment Facility can influence student behaviors, promoting adherence to Biomedical Waste Management regulations. This nurturing approach cultivates individuals who are environmentally conscious and who carry these principles into their personal and professional lives.

The university's efforts to ensure compliance with biomedical waste management have a multifaceted impact. They educate individuals, heighten awareness, champion sustainable methodologies, contribute to research and innovation, and potentially foster a culture of sustainable disposal. This approach eliminates the risk of spreading infectious diseases, given that biomedical waste can contain harmful bacteria, viruses, and other microorganisms that pose severe health risks. By managing biomedical waste sustainably, the university's initiatives extend to broader societies, influencing widespread perspectives and ultimately impacting the well-being of both animals and humans. This comprehensive approach aligns with the principles of responsible consumption and production, contributing to a healthier and more sustainable future.

Policy Statement Pondicherry University stands as a radiant emblem of unwavering commitment, wholeheartedly dedicated to the widespread advancement of sustainable biomedical waste management. This profound dedication aims to prevent both environmental contamination and the potential illnesses of both humans and animals. This noble undertaking seamlessly aligns with the overarching aspiration of Goal 12.

Target As a trailblazer in this virtuous endeavor, Pondicherry University's resolute devotion stands as a motivating beacon, igniting the commencement of transformative actions across varied strata and geographical frontiers, encompassing the involvement of all.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall as a research and educational institution strive to diligently follow the Biomedical Waste Management Rules, 2016, and any subsequent revisions, to safeguard and preserve the campus soil, water, and biodiversity while embracing the targets of Sustainable Development Goals.
2. Pondicherry University shall provide adequate and appropriate facilities and manpower for the safe management and disposal of biomedical wastes if any generated as given in Schedule I of the Biomedical Waste Management Rules, 2016.
3. Pondicherry University shall obtain Authorization from the Regional Enforcing Authority and necessary clearances/ certificates from the National Authority for running research facilities, and for handling and managing biomedical wastes.
4. Pondicherry University shall enter into a Memorandum of Understanding agreement with the Authorized Recycler/ Common Bio-medical Waste Treatment Facility for the collection, reception, storage, transport, treatment, disposal, or any other form of handling of biomedical waste.
5. Pondicherry University shall speed up the compliance through a dedicated office or team and shall implement biomedical waste management strategies in the concerned Departments, Labs, Health Centre, and Animal House for safe storage and disposal.





6. Pondicherry University shall provide color-coded bins and non-chlorinated color-coded plastic bags with educational posters and instruct the concerned biomedical waste generators to maintain different registers and log books related to the research laboratory, sanitary workers, and lab personnel and to have a reporting system to ensure compliance.
7. Pondicherry University shall immunize all its healthcare workers and others, involved in handling biomedical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling bio-medical waste, in the manner as prescribed in the National Immunization Policy or the guidelines of the Ministry of Health and Family Welfare or any other relevant guidelines issued from time to time.
8. Pondicherry University shall establish a system to track, review and monitor the activities related to biomedical waste management, either through an existing committee or by forming a new committee to meet once every three months and the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority by June every year.
9. Pondicherry University shall educate residents of campus dwellings (quarters and hostels) about the importance of segregating residential biomedical waste. This includes expired or discarded medicines, items contaminated with blood or body fluids (such as dressings, plaster casts, cotton swabs), discarded linens, mattresses, beddings contaminated with blood or body fluids, and other contaminated waste from disposable items like tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes, gloves, and more. Residents will be encouraged to hand over these segregated wastes separately to the sanitary worker or waste collecting team.
10. Pondicherry University shall provide periodical awareness of Biomedical Waste Management Rules, its periodical amendments, its biohazard and highly infectious nature, and health implications to all research scholars, lab assistants, key personnel, and sanitary workers and also shall promote the same to the neighboring communities.
11. Pondicherry University shall develop standard operating procedures for sustainable biomedical waste management and disposal.
12. Pondicherry University shall through the departments concerned, principal investigator(s), and head of the research facility ensure workplace safety for all.
13. Pondicherry University shall establish a bar-code system for bins or containers containing bio-medical waste to be sent out of the premises or carried by the operator of the Common Bio-medical Waste Treatment Facility.
14. Pondicherry University shall ensure the treatment and disposal of liquid waste from the research labs, animal house, and health center in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974).





Contributors

Dr. B. Sudhakar

Professor
Department of Biotechnology
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-b-sudhakar/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University
<https://www.pondiuni.edu.in/departement/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/departement/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.3 - Policy for Sustainable Biomedical Waste Management”.
Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.3-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.3-V2.0-23
1st Version: NLGCIAP-APSCC*-PU-March-2018
2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

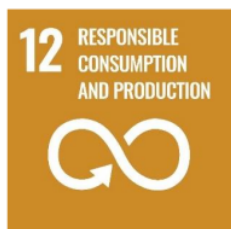
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.4 - Policy for Sustainable Sanitary Napkin Waste Management”





Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.4 - Policy for Sustainable Sanitary Napkin Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

In harmony with the specific objectives outlined in Sustainable Development Goal (SDG) 12, the "sustainable sanitary napkin waste management policy" closely corresponds to sub-policy SDG 12.4. SDG 12.4 centers on the sustainable handling of generated sanitary napkin waste. This commitment is manifest in the university's approach to managing sanitary napkin waste stemming from girls' hostels, quarters, and accommodations. Aligned with SDG 12, the provision of adequate resources, suitable facilities, and collaborative agreements with pertinent stakeholders can shape student behaviors, fostering compliance with regulations set forth by the Central Pollution Control Board. This nurturing approach cultivates environmental awareness and ingrains these principles into the personal and professional lives of students.

The university's endeavors aimed at ensuring proper sanitary napkin waste management yield multifaceted results. They educate individuals, amplify awareness, and potentially foster a culture of responsible disposal. By adopting this approach, the potential risks of disease transmission and drainage pipeline blockages, inherent in sanitary napkin waste containing harmful microorganisms, are mitigated. Through sustainable management practices, the university's impact extends to broader societies, influencing collective perspectives and ultimately enhancing the well-being of both animals and humans.

Policy Statement Pondicherry University shines as an emblem of unwavering dedication, fervently committed to the extensive progress of sustainable sanitary napkin waste management. This profound commitment seeks to avert environmental pollution and potential health risks to both humans and animals. This noble pursuit seamlessly aligns with the overarching ambition of Goal 12.

Target As a pioneer in this virtuous undertaking, Pondicherry University's steadfast devotion serves as an inspiring beacon, igniting the initiation of transformative initiatives among those responsible for generating such waste.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall make every endeavor to strictly adhere to the Sustainable Sanitary Napkin Waste Management and Disposal as suggested in the Guidelines for Management of Sanitary Waste by the Central Pollution Control Board as per Solid Waste Management Rules, 2016, and its amendments from time to time.
2. Pondicherry University shall enter into a Memorandum of Understanding with the related stakeholders for the safe disposal of sanitary napkins as per guidelines and execute through the Hostel Office with support from the dedicated team of housekeeping staff and sanitary workers.
3. Pondicherry University shall provide awareness education which is pivotal to all sanitary napkin waste generators (girls' hostels and staff quarters) and to the relevant stakeholders from the hostel office, housekeeping, and sanitary wing to deal with the sanitary napkin waste.
4. Pondicherry University shall provide a dedicated 'Feminine Hygiene Bin' (yellow color) with 'Dos and Don'ts' educational posters in all the restroom locations for primary collection and pooling all the sanitary napkin wastes to the secondary collection point for safe disposal as applicable under the Rules and Central Pollution Control Board Guidelines.





5. Pondicherry University shall provide electric incinerators for the student to use and dispose of sanitary napkins as applicable under the Rules and Central Pollution Control Board Guidelines.
6. Pondicherry University shall have a safe burial facility, to dispose of sanitary napkins as applicable under the Rules and Central Pollution Control Board Guidelines, with no access to dogs and wild animals.
7. Pondicherry University shall from the girl students, quarters dwellers, and guests/ visitors staying in the guest house and convention center, collect a 'User Fee' for the provision of appropriate additional facilities, manpower, collection, transporting, and safe disposal and shall impose a 'Spot Fine' for littering and non-compliance in accordance with relevant Solid Waste Management Rules.
8. Pondicherry University shall ensure additional resources and facilities to prevent the dogs and rodent's menace.





Contributors

Dr. Regina Sharmila Dass

Assistant Professor
Department of Microbiology
Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-regina-sharmila-dass/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12:
Responsible Consumption and Production - "SDG 12.4 - Policy for Sustainable Sanitary Napkin Waste Management"
Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.4-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.4-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.4- Policy for Sustainable Sanitary Napkin Waste Management"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.5 - Policy for E-Waste Management”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.5 - Policy for E-Waste Management”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.5 - Policy for E-Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

The university's dedication to advancing SDG 12: Responsible Consumption and Production entails the incorporation of various auxiliary measures. Aligned with the specific objective elucidated in SDG 12, the "sustainable e-waste management policy" closely aligns with a sub-policy of SDG 12.5. SDG 12.5 seeks to accomplish the sustainable management of generated e-waste. Such initiatives for campus sustainability can shape student behaviors, consumption habits, and waste generation patterns, nurturing individuals who are environmentally conscious and who carry these principles into their personal and professional lives. By emphasizing the sustainable management of e-waste, university campuses play an indispensable role in fostering awareness, education, and concrete steps that resonate with SDG 12.

The university's campaign for sustainable e-waste management has a multifaceted influence. They educate individuals, heighten awareness, champion sustainable methodologies, contribute to research and ingenuity, and potentially cultivate a culture of responsible consumption, production, and management. Since campuses serve as microcosms of broader societies, their endeavors hold the potential to influence broader perspectives and behaviors regarding environmental sustainability, thereby impacting the well-being of both current and future generations.

Policy Statement Pondicherry University shines as a symbol of steadfast dedication, passionately devoted to the extensive promotion of sustainable management of campus e-waste. This pursuit seamlessly harmonizes with the overarching objective of Goal 12.

Target As a pioneer in this virtuous mission, Pondicherry University's unyielding commitment serves as a motivating example, sparking the initiation of transformative measures across diverse levels and geographical boundaries by involving everyone.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall as a bulk consumer of electrical and electronic equipment, make every endeavor to strictly adhere to the E-Waste Management Rules, 2016, and its amendment from time to time to protect and conserve the campus soil, water, and biodiversity by embracing the targets of the multiple SDGs.
2. Pondicherry University shall execute through a dedicated office and team through fast track mode for 'environmentally sound management of e-waste' by taking all steps required to ensure that e-waste is managed in a manner that protects the health and the environment against any adverse effects from such e-waste.
3. Pondicherry University shall ensure that the e-waste generated is channelized through the collection center or dealer of the authorized producer or through the designated take-back service provider of the producer or any authorized dismantler or recycler in accordance with the Rules.
4. Pondicherry University shall enter into a Memorandum of Understanding/ Agreement with the related stakeholders for 'extended producer responsibility' and 'recycling' as applicable under the Rules.
5. Pondicherry University shall regulate the purchase of electrical and electronic equipment and provide awareness education to all stakeholders on the adverse effects of e-wastes.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.5 - Policy for E-Waste Management"

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.

Page 3



6. Pondicherry University shall provide a 'facility' for the collection, segregation, reception, storage, and to divert to the authorized refurbisher, dismantler, and recycler, for safe disposal of e-waste.
7. Pondicherry University shall provide awareness and capacity building to collect e-waste of any electrical and electronic equipment and channel it to the authorized dismantler for recycling or for disposal through the nodal office.
8. Pondicherry University shall as a bulk consumer of electrical and electronic equipment listed in Schedule I ensure that such end-of-life electrical and electronic equipment are not admixed with e-waste containing radioactive material as covered under the provisions of the Atomic Energy Act, 1962 (33 of 1962) and rules made there under.
9. Pondicherry University shall as a bulk consumer of electrical and electronic equipment listed in Schedule I, file annual returns in Form-3, to the concerned State Pollution Control Board/ Committee on or before the 30th day of June following the financial year to which that return relates.
10. Pondicherry University shall as a bulk consumer of electrical and electronic equipment listed in Schedule I maintain records of e-waste generated in Form-2 and make such records available for scrutiny by the concerned Enforcement Authority.
11. Pondicherry University shall apply to the Central Pollution Control Board and other bodies to obtain relevant certificate(s) for the import of research/ analytical equipment as amended under the Rules in 2022.





Contributors

Er. S. Sudalai

Assistant Professor

Centre for Pollution Control and Environmental Engineering

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/s-sudalai/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific Sub-Policy for SDG 12: Responsible Consumption and Production "SDG 12.5 - Policy for E-Waste Management" Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC, SDG-12.5-V2.0-23

Policy Number

PU-IQAC&OGC, SDG-12.5-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.5 - Policy for E-Waste Management"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - “SDG 12.6 - Policy for Sustainable Chemical & Hazardous Waste Management”





Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - “SDG 12.6 - Policy for Sustainable Chemical & Hazardous Waste Management”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair.

The university's dedication to advancing Sustainable Development Goal (SDG) 12: Responsible Consumption and Production entails the incorporation of various auxiliary measures. One such measure, aligned with the specific target elucidated in SDG 12, is the "Sustainable Chemical & Hazardous Waste Management Policy" which closely aligns as sub-policy SDG 12.6. Gross chemical contamination, with grave damage to animal and human health, genetic structures, reproductive outcomes, and the environment, has been continuing globally. Hence, substantial use and maintenance of associated chemicals and hazardous waste are essential to meet the social and economic goals of the world community, and these can be used with a high degree of safety when best practices are followed. In this regard, through SDG 12.6 the university seeks to accomplish the reduction of chemicals and hazardous waste generated from science laboratories, maintenance departments, grounds maintenance, housekeeping wing, horticulture wing, sanitary wing, art department, healthcare facilities, special research programs, and others.

Policy Statement Pondicherry University stands as a beacon of unwavering commitment, fervently dedicated to categorizing the ‘hazardous nature of the waste’ by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances, and shall ensure segregation, handling, collection, reception, treatment, storage, preprocessing, co-processing, and proper disposal as deemed fit for compliance.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication serves as an inspiration, igniting the flames of transformative action at all levels far and wide.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold the cause of Chemicals and Hazardous Waste Management in accordance with the respective Rules, Protocols, and Standard Operating Procedures for safe and sustainable disposal, by source segregating and storing the waste generated as hazardous chemicals, biohazardous substances, radioactive materials, and animal and human infectious waste.
2. Pondicherry University shall in accordance with the Battery Waste Management Rules, 2022 educate the consumer (student, researcher, faculties, residents, staff, and others) on absolute liability to categorize and discard the waste batteries separately by not mixing with the waste stream, and to ensure that waste batteries are disposed off in an environment-friendly manner by giving it to an authorized entity engaged in collection or refurbishment or recycling.
3. Pondicherry University shall establish 'waste deposition centers' for domestic hazardous waste like discarded paints, solvents, fossil fuels, pesticides, CFL bulbs, tube lights, flasks, expired medicines, broken mercury thermometers, used batteries, used needles and syringes, drain openers, household cleaners, contaminated gauge, etc. generated at the quarters and hostels and give directions to waste generators to deposit domestic hazardous wastes at this center for its safe disposal.



- 
4. Pondicherry University shall demarcate areas where chemicals and hazardous waste is generated: science laboratories, maintenance department, fleet management, grounds maintenance, housekeeping wing, horticulture wing, sanitary wing, art department, healthcare facilities, special research programs, and others, and categorize the 'hazardous nature of the waste' by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances, and shall ensure segregation, handling, collection, reception, treatment, storage, preprocessing, co-processing, and disposal as deemed fit for compliance.
 5. Pondicherry University shall classify the Chemical/ hazardous waste into (i) waste from research activities, (ii) waste from non-research activities i.e. from administrative buildings (iii) waste from residential areas such as quarters and hostels, (iv) waste from medical facilities, and (v) any other for safe and environmentally sound management of chemicals and hazardous wastes.
 6. Pondicherry University shall through a dedicated team source segregate, collect, store, and transport the 'domestic hazardous waste', 'research laboratory waste', 'health care facility waste' and wastes from 'sanitary, housekeeping, and horticulture wings', and handover the segregated wastes to authorized waste pickers or waste collectors or refurbishers or empaneled agencies as per the direction or notification by the authorities from time to time and ensure safe storage and transportation of the domestic hazardous waste to the hazardous waste disposal facility or as may be directed by the State Pollution Control Board or the Pollution Control Committee or Competent Authority of the University.
 7. Pondicherry University shall in accordance with the radiation, hazardous substance, and biosafety protocols from time to time, educate the Principal Investigator(s) and Research Supervisor(s) on absolute liability to discard radioactive and biohazard wastes from the research labs/ facilities separately by not mixing with other waste streams, and to ensure that such wastes are disposed off in an environment-friendly manner by giving it to an authorized entity engaged in collection and disposal.
 8. Pondicherry University shall ensure 'extended producer responsibility, and/ or 'buyback' on all of its purchases related to hazardous wastes.
 9. Pondicherry University shall instruct the waste generators to ensure and monitor the hazardous waste holding containers are closed, sealed, and stored in ventilated areas before transportation. In addition, the waste must be compatible with the container and not corrosive, protecting human health and the environment against the adverse effects which may result from such waste.



10. Pondicherry University shall draft Hazardous Waste Disposal Guidelines/ Protocol and Standard Operating Procedure for identifying, storing, or transporting and shall make sure that it is done by the personnel who is familiar with this document and understand exactly what it says for compliance. In addition, all laboratory rooms, chemical storage areas, and areas where hazardous equipment or materials are used or stored need to be monitored, maintained, and cleared by well-trained or knowledgeable staff.
11. Pondicherry University shall instruct all the Principal Investigators, Research Supervisors, and Research Scholars for the safe operation of the laboratory and to improve the overall safety and compliance of the university. This includes the transfer/removal of chemical and hazardous material or hazardous waste from the laboratory and leaving these facilities in a safe condition.
12. Pondicherry University shall as the liability of the occupier enforce 'emergency preparedness and prevention measures' and 'accident reporting system' to assure safety in the workplace by adhering to the Central Government Rules, Notifications, and Amendments from time to time.
13. Pondicherry University shall involve student volunteers to inventory the chemical and hazardous waste generated within the campus.
14. Pondicherry University shall reintroduce the concept of pooling of chemicals and related resources to curtail the repetition or purchase of the same items and shall also enhance the available storekeeping facility to prevent spillage of chemicals by the key personnel, housekeeping personnel, and research assistants.





Contributors

Dr. S. Gajalakshmi

Professor
Centre for Pollution Control and Environmental Engineering
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-s-gajalakshmi/

Dr. R. Rukkumani

Professor
Department of Biochemistry and Molecular Biology
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-rukkumani/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University
<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - "SDG 12.6 - Policy for Sustainable Chemical & Hazardous Waste Management" Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.6-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.6-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

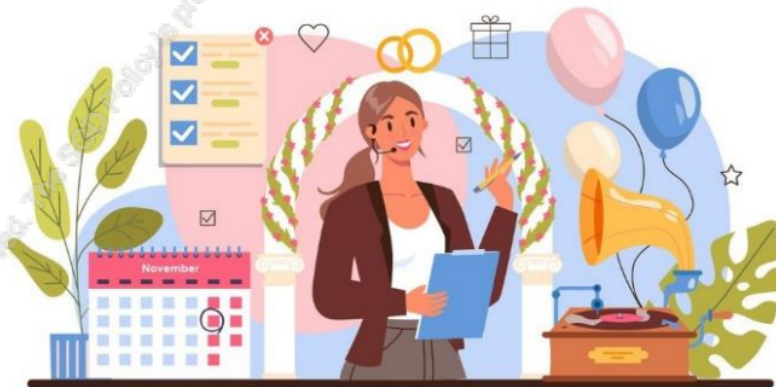
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.7 - Policy for Event Organizer”



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.7 - Policy for Event Organizer”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.7 - Policy for Event Organizer”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

The university's commitment to advancing SDG 12: Responsible Consumption and Production involves the integration of various subsidiary measures. In conjunction with the specific objective outlined in SDG 12, the "Event Organizer Policy" closely corresponds as a sub-policy SDG 12.7, emphasizing responsible consumption and production. SDG 12.7 aims to ensure reducing food waste, promoting efficient resource use, and adopting sustainable practices. The university's event organizer policy that ties into SDG 12: campus sustainability initiatives can influence student behavior and consumption patterns, fostering a generation of environmentally conscious individuals who carry these values into their personal and professional lives.

University event organizer initiatives have a multifaceted impact. They educate individuals, raise awareness, promote sustainable practices, and potentially enhance national food and other resource security by fostering a culture of responsible consumption and production. As campuses serve as microcosms of larger societies, their efforts can influence broader attitudes and practices toward environmental sustainability, and the well-being of present and future generations.

Policy Statement Pondicherry University stands as a beacon of unwavering commitment, fervently dedicated to the widespread dissemination and enthusiastic promotion of resource efficiency and security while organizing events. This noble endeavor aligns harmoniously with the overarching Goal 12.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication serves as an inspiration, igniting the flames of transformative action at all levels far and wide.



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production
“SDG 12.7 - Policy for Event Organizer”

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall in accordance with the Solid Waste Management Rules, 2016 advocate to all organizers of the event like students, faculties, administrators, and others to ensure compliance by not causing any harm to the environment, humans, and animals.
2. Pondicherry University shall as a bulk waste generator, advise the organizer of the viva-voce, synopsis, birthday parties, and similar student/ staff functions/ events/ festivals to follow the procedure laid down for the 'event organizers' and the organizer of such event shall provide good quality food and related items and shall ensure segregation of waste at source and handing over the segregated waste to housekeeping staff or sanitary workers or left in the designated place as approved by the university.
3. Pondicherry University shall strictly instruct the engaged event organizer and the service provider to provide good quality food and other edible items. In addition, the engaged event organizer shall not use single-use plastic disposable boxes or containers or laminated papers/ boards/ sheets for food distribution. However, under certain circumstances, if used, the event organizer shall take additional measures to engage additional manpower and ensure the segregation of plastic and other kinds of waste at the source and manage them on their own by taking them back without harming the campus environment or violating the Rules.
4. Pondicherry University shall ensure that the engaged event organizer strictly avoids the banned plastic or artificial decoration items, foam sprays, etc. while organizing the event rather use eco-friendly materials/ products.





5. Pondicherry University shall ensure that the event organizer makes every opportunity to instruct the participants not to litter the plastics and other items during the event through authorized personnel, signage, boards, videos, etc. for compliance.
6. Pondicherry University shall ensure that the event organizer has adequate manpower and resources to source segregate, collect, sort, and manage the generated wastes on their own, or otherwise hand over the same to the waste collector or agency employed by the university in a source-segregated manner by paying the 'waste management fee' prescribed from time to time.
7. Pondicherry University shall collect from the event organizer 'user fee', 'climate/carbon fee' for the event, and 'fine' for littering in accordance with the Rules.
8. Pondicherry University shall instruct the event organizer not to use noisy sound systems that will affect other's studies or routines or privacy, in addition, shall obtain clearance from the Security/ Electrical Wing.
9. Pondicherry University shall instruct the event organizer to provide portable wash basins for outdoor events while ensuring the hand wash water directly flows to the adjacent trees, in consultation with the Civil Engineering Wing. In addition, the event organizer shall say 'no' to hand wash soap or otherwise shall use 'nontoxic/ ayurvedic' soap.
10. Pondicherry University shall instruct the event organizer to develop a balanced meal plan and to source from the local supplies to reduce food miles and greenhouse gas emissions and also to divert the excess food to orphanages or poor people ensuring quality as an act of justice.
11. Pondicherry University shall upload on the website an 'event organizer form' and ensure all events are organized and registered for compliance and the same shall be shown to the Environment Officers or Municipal Authorities or Enforcement Authorities on demand.
12. Pondicherry University shall encourage sustainable transportation options for attendees, such as promoting public transportation, carpooling, and providing bicycle parking facilities and also shall consider offsetting event-related travel emissions through carbon offset programs.
13. Pondicherry University shall have a measuring and reporting system to monitor and measure the environmental impacts of Pondicherry University's events, such as carbon emissions, waste generation, energy usage, and water usage, and use this data to set improvement targets and report on University's sustainability performance.
14. Pondicherry University shall ensure through an Authorized Officer, that the event organizer has fulfilled the requirements made by the university and handed over the event site in a sound manner as provided.





Contributors

Dr. P. S. Sibi

Associate Professor

Department of Tourism Studies

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/ms-sibi-p-s/

Dr. Sherry Abraham

Assistant Professor

Department of Tourism Studies

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-sherry-abraham/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production - "SDG 12.7 - Policy for Event Organizer", Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-12.7-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.7-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

"SDG 12.7 - Policy for Event Organizer"

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

**Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production -
“SDG 12.8 - Policy for Campus Food Sustainability”**



Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production

“SDG 12.8 - Policy for Campus Food Sustainability”

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.8 - Policy for Campus Food Sustainability”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs.

The university's commitment to advancing SDG 12: Responsible Consumption and Production involves the integration of various subsidiary measures. In conjunction with the specific objective outlined in SDG 12, the "Campus Food Sustainability Policy" closely corresponds to a sub-policy SDG 12.8. SDG 12.8 aims to ensure the reduction of food waste, promote efficient resource use, and adopt sustainable practices. Here's how university campus food sustainability ties into SDG 12: campus sustainability initiatives can influence student behavior and consumption patterns, fostering a generation of environmentally conscious individuals who carry these values into their personal and professional lives. By focusing on the campus food systems, university campuses play a vital role in driving awareness, education, and tangible actions aligned with SDG 12.

University campus food sustainability initiatives have a multifaceted impact. They educate individuals, raise awareness, promote sustainable practices, contribute to research and innovation, and potentially enhance national food security by fostering a culture of responsible food production and consumption. As campuses serve as microcosms of larger societies, their efforts can influence broader attitudes and practices toward food sustainability, and the well-being of present and future generations while ensuring sustainable food production.

Policy Statement Pondicherry University is committed to taking proactive measures to ensure that the food served on campus is sustainably farmed and sourced. In addition, also promotes sustainable on-campus farming practices and recognizes the way it is produced and consumed to significantly reduce the impact on the environment.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication to food sustainability and national food security serves as an inspiration, igniting the flames of transformative action at all levels far and wide.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold the United Nations definition of food sustainability as the idea that something (e.g., agriculture and preparation of food) is done in a way that is not wasteful of our natural resources and can be continued without being detrimental to our environment or health and contributing to the food security.
2. Pondicherry University shall provide healthy and affordable food choices both vegetarian and non-vegetarian for all on-campus students and others emphasizing local produce.
3. Pondicherry University shall promote plant-based food options, and encourage the consumption of plant-based foods to reduce the environmental impact of animal farming, and also shall have a vegan day of the week to highlight the importance of nutrition, traditional practices, and agricultural produce.
4. Pondicherry University shall have a food committee and sub-committee to decide on the meal plan for the students.
5. Pondicherry University shall instruct the food committee to inspect the kitchen and dining area periodically for cleanliness and quality of food produced and provide monthly reports to the administration.





6. Pondicherry University shall have multiple catering services in strategic locations for hostellers, day scholars, and others covering the hostel mess, canteen, snacks bar, tea shop, and others.
7. Pondicherry University shall have monitoring and educating systems in place to provide affordable, nutritious, and quality food in sufficient quantity to the students from poor and vulnerable communities to prevent students' food insecurity and hunger.
8. Pondicherry University shall prioritize the purchase of products from local farmers, local food producers, and other sustainable and perennial sources to minimize food miles, wastage, and carbon emissions.
9. Pondicherry University shall instruct the mess, canteen, and cafeterias and monitor vigilantly that, no food waste should enter the drainage pipeline or the campus ground, in any manner, rather it must be upcycled as appropriate.
10. Pondicherry University shall ensure that the service providers (cafeterias, students' mess, snack bar, event organizer, and others) manage their food waste in accordance with the relevant policies, protocols, and standard operating procedure of the Government and Pondicherry University to curb the greenhouse gas emission and pathogens from the food waste.
11. Pondicherry University shall instruct the mess and canteen contractors to strategically evolve meal plans to minimize food wastage, to divert the excess food to orphanages or poor people by ensuring its quality, and also ensure that the foods are consumed within the recommended time limit before its quality compromised.
12. Pondicherry University shall in collaboration with relevant stakeholders, celebrate student-centered and student-led 'campus food sustainability week' annually complementing World Bread Day.
13. Pondicherry University shall encourage students, scholars, faculties, staff, and quarters dwellers to be involved in on-campus agricultural activities and to showcase their produce during the 'campus food sustainability week'.
14. Pondicherry University shall through the students collaborate with local non-governmental organizations to promote food sustainability activities among the affiliated institutions, schools, and communities fostering climate change adaptation and national food security.
15. Pondicherry University shall have a dedicated team/ office to educate on cooking nutritious rich food, minimize food waste generation, and measure, track, and control the amount of food waste generated from food produced within the university and for the food outsourced.





Contributors

Dr. Alok Sharan

Professor
Department of Physics
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-alok-sharan/

Er. V. Mourougavelou

Assistant Engineer
Head (Civil & Electrical)
Pondicherry University
<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Sub Policy for SDG 12: Responsible Consumption and Production – “SDG 12.8 - Policy for Campus Food Sustainability”. Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-12.8-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-12.8-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 13: Climate Action”



Pondicherry University Goal-Specific Policy for “SDG 13: Climate Action”
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 13: Climate Action”

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

The significance of Goal 13, denoted as Climate Action, cannot be overstated. It is a goal intrinsically linked to the very survival of our planet. The University is acutely aware of the pressing need for immediate and resolute action to combat climate change and its far-reaching consequences for both the environment and communities at large. The impacts of climate change, ranging from agricultural disruption to dwindling water resources and compromised ecosystems, have triggered a cascade of extreme weather events, sea level rise, and biodiversity decline.

Pondicherry University has risen to the occasion, firmly committing itself to proactive measures aimed at mitigating the effects of climate change and promoting sustainable development. To realize the objectives of SDG 13, the university is channeling its efforts into reducing its carbon footprint through multifaceted approaches. These include the advocacy and implementation of renewable energy sources, with a notable emphasis on solar energy and bio methanation. Pondicherry University is resolutely committed to collaborating with local communities, governmental bodies, and international organizations to effect meaningful change in addressing the repercussions of climate change and propelling sustainable development forward. This dedication underscores the university's pivotal role in the collective endeavor to safeguard our planet's future.

Policy Statement Pondicherry University stands unwavering in its commitment to wholeheartedly support students and communities in the pursuit of Climate Action across every facet of life, encompassing both the realms within and beyond the campus, closely aligned with the specific objectives outlined in Goal 13.

Target Pondicherry University's resolute dedication will reach out to its students and communities in equitable partnership with government departments, relevant stakeholders, and working groups implementing Goal 13 targets at all levels.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 13: Climate Action and take urgent action to combat climate change and its impacts through environmental education, innovation, and adherence to our national climate commitments, by making necessary changes to protect the planet while providing huge opportunities to modernize our infrastructure, create new green jobs, and promote greater prosperity across borders.
2. Pondicherry University shall implement the United Nations Framework Convention on Climate Change, University Grants Commission and various Union Ministries mandate on climate change missions in fast-track mode within the campus, its affiliated institutions, its satellite campuses, and communities in the context of meaningful mitigation actions and transparency on the implementation process, while measuring progress, and reflection.
3. Pondicherry University shall strengthen resilience and adaptive capacity to climate-related inland and coastal disasters by providing education programs or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warning to students and local communities.
4. Pondicherry University shall integrate climate change measures into its policies, strategies, and planning for a nature-positive university and provide recommendations to the regional and national governments on climate change mitigation, adaptation, impact reduction, and early warning.





5. Pondicherry University shall develop green protocols and standard operating procedures and prioritize on-campus quick launch climate actions, short-term goals, and long-term goals towards reducing waste, footprint(s), and emissions adhering to the Precautionary Principle 15 of the Rio Declaration.
6. Pondicherry University shall incorporate and give 34 phasis to climate change-related subjects in its curricula of various courses/disciplines to build the capacity of students and scholars to understand the entire gamut of issues related to climate change and be ready to combat climate change thereby strengthening human capital towards climate actions.
7. Pondicherry University shall in collaboration with relevant stakeholders draft a mitigative plan for climate change disasters and a university climate action plan, and share the same with the local government and local community groups.
8. Pondicherry University shall with an intent to catalyze the students' participation and to inculcate climate-conscious behavior collect the Green Climate Fund and use the same for on-campus and outreach programs led and organized by the students.
9. Pondicherry University shall enhance the professional capacity of students by developing living labs to provide lab-to-land environment education, awareness-raising, training, capacity building, and green skill development, and to inculcate environment-conscious behavior for attitude change fostering the 'fundamental duties' under the constitution.
10. Pondicherry University shall provide required academic inputs to various climate change-related organizations to build their knowledge and capacity to meet climate change mitigation, impact reduction, early warning, and sustainable development.
11. Pondicherry University shall strengthen its research programs so that climate-related hazards and natural disasters are managed better in the country.
12. Pondicherry University shall follow strict compliance with rules, standard operating procedures, and environmental standards in all its operations and developmental activities for safety, healthy living, and national and international recognitions, awards, and rankings.
13. Pondicherry University shall have an interdisciplinary, practical, and applied approach by signing declaration(s), charter(s), and others to have an essential foundation with the regional and national government, international organizations, private sector, institutions, industries, and non-government organizations for climate commitment, campus sustainability, and outreach.





14. Pondicherry University shall in collaboration with non-government research organizations host student-centered international and national symposiums, conferences, seminars, workshops, etc., to share best practices and strengthen equitable collaboration and partnerships for momentum.
15. Pondicherry University shall individually measure the energy generated and energy purchased and the amount of low-carbon energy used across all the sectors of the university to become a carbon-neutral university adhering to the Greenhouse Gas Protocols.
16. Pondicherry University shall in collaboration with non-governmental organizations and industries uphold water sustainability, food sustainability, renewable energy generation, energy recovery, nutrient recovery, and its application in the horticultural landscape for a 50% carbon-neutral campus by 2030.
17. Pondicherry University shall promote collaborative research activities to understand its impacts as well as to enhance capacity for effective climate change adaptation planning and management in India, also shall conduct research to understand what approaches are better and more effective and analyze the implementation of SDGs so as that a better policy can be developed at the National level.
18. Pondicherry University shall provide the required technical inputs ⁹⁶ to integrate climate change measures into various national policies, strategies, and planning e.g. National Biodiversity Strategies and Action Plan, National Education Policy, Blue Economy, etc.





Contributors

56 K. Sivakumar

Professor

Department of Ecology and Environmental Sciences

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/prof-k-sivakumar/

8

Dr. R. Nalini

Professor

Department of Social Work

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-nalini-2/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for "SDG-13: Climate Action", Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-13-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-13-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Sub Policy for SDG 13: Climate Action “SDG 13.1 - Policy for Climate Resilient Horticulture and Other Agricultural Activities”



Pondicherry University Goal-Specific Sub Policy for SDG 13: Climate Action
“SDG 13.1 - Policy for Climate Resilient Horticulture and Other Agricultural Activities”
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.

Page 1



Policy Heading Pondicherry University Goal-Specific Sub Policy for “SDG 13: Climate Action
SDG 13.1 - Policy for Climate Resilient Horticulture and Other Agricultural Activities”.

Introduction Established in 1985, Pondicherry University holds the status of a Central University and possesses jurisdiction that extends over the Union Territory of Puducherry, as well as the territories of Lakshadweep and the Andaman and Nicobar Islands. The university's core objectives revolve around the advancement of knowledge through the realms of teaching and research. This is exemplified by the diverse array of courses it offers, spanning the fields of Humanities, Sciences, and Engineering. Additionally, the university is dedicated to nurturing interdisciplinary studies and research. The heart of its operations resides in its expansive main campus situated in Kalapet, spanning an impressive 780 acres, while its influence extends further through satellite campuses strategically located in Karaikal, Mahe, and Port Blair. A testament to its global outlook, the university has forged collaborative MOUs with various international institutions, industries, and research-focused NGOs, all geared towards fostering cooperation and enriching faculty development.

Climate-resilient horticulture and agriculture activities play a pivotal role in advancing the objectives of SDG 13 - Climate Action. By integrating innovative and adaptive practices, these activities contribute to mitigating the impact of climate change and ensuring food security while safeguarding the environment. In the face of changing climate patterns, climate-resilient horticulture and agriculture focus on enhancing the resilience of crops, plant varieties, and farming systems. Moreover, climate resilient approaches prioritize biodiversity conservation, thereby preserving vital ecosystems and enhancing ecosystem services that are integral to sustainable food production. This synergy with SDG 13 fosters a more harmonious relationship between human activities and the environment and promotes long-term agricultural sustainability.

By embracing innovative technologies, knowledge-sharing networks, and capacity-building initiatives, ensure that farmers and farming lovers are equipped with the tools to make informed decisions and adapt to evolving climatic conditions. These practices exemplify a holistic approach that not only addresses climate challenges but also promotes socio-economic growth, environmental stewardship, and the well-being of present and future generations while ensuring sustainable food production.

Policy Statement Pondicherry University stands as a beacon of unwavering commitment, fervently dedicated to the widespread dissemination and enthusiastic promotion of climate-resilient horticulture and agricultural activities. This noble endeavor aligns harmoniously with the overarching goal of Climate Action.

Target As Pondicherry University stands at the vanguard of this noble cause, its resolute dedication serves as an inspiration, igniting the flames of transformative action at all levels far and wide.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall by upholding SDG 13: Climate Action, create climate-resilient green infrastructure to inspire the students and others to take climate action, to adapt, protect, and preserve the environment while complementing the Missions: Green India, LiFE, and Climate Action.
2. Pondicherry University shall in collaboration with different departments and administrative wings of the university, plan and execute the campus biodiversity conservation measures to maintain the ecological balance and to maintain a campus biodiversity register for the university and promote the same to its affiliated institutions and others.
3. Pondicherry University shall plan and/or remodify the lawns, parks, green spaces, open spaces, berms, gardens, and meadows, for recreation in line with climate-resilient gardening practices to support pollinators, birds, and beneficial insects and soil microorganisms to get rid of non-native invasive pests and plants while withstanding extreme weather conditions.
4. Pondicherry University shall steer a mass movement for an environmentally conscious lifestyle by being mindful and deliberate utilization, instead of mindless and destructive consumption.
5. Pondicherry University shall conduct pollution prevention drives, conservation drives, cleanliness drives, plantation drives, etc. to recognize the importance of the 'horticultural landscape' in conserving our precious natural resources and living in harmony with nature.



Pondicherry University Goal-Specific Sub Policy for SDG 13: Climate Action

"SDG 13.1 - Policy for Climate Resilient Horticulture and Other Agricultural Activities"

Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



6. Pondicherry University shall demarcate and develop areas with public access for the 'forest bath' (shinrin-yoku) a physiological and psychological exercise to reduce tension and stress, while improving mood, concentration, and creativity, in addition to inspiring students and the public to reconnect with and protect the campus to country's forests.
7. Pondicherry University shall evolve strategies to reduce and conserve water by soil building, mulching, water-smart practices, catching rainwater, planting drought-tolerant plants, etc.
8. Pondicherry University shall lay stepping stones or porous blocks rather than concrete pavement for anchorage root protection and shall provide additional care while trenching or laying pipes.
9. Pondicherry University shall create seating zones, and living walls, at strategic locations to symbolically recognize that Indian culture and living traditions are inherently sustainable.
10. Pondicherry University shall keep indoor air pollutant removal plants in prime locations to 'instill' the importance of conserving our precious natural resources and living in harmony with nature.
11. Pondicherry University shall establish an apiary, herbal garden, wildflower garden, succulents to tall grass garden, etc., and a nursery to propagate perennials, annuals, and seasonals focusing on biodiversity conservation and habitat restoration both directly and indirectly.
12. Pondicherry University shall categorize the horticulture wastes into mowed grass, leaf litter, twigs & small branches, and tree trunks having timber value and with the help of a horticulture wing shall compost the compostable plant material and apply in the horticultural landscape to restore topsoil ecology and soil ecosystem.
13. Pondicherry University shall evolve strategies to minimize/ prevent the entry of pollution on the campus grounds, while simultaneously halting the environmental damage to retaining the existing ecosystem within the campus, in addition, initiate small actions at various locations to restore the damaged or depleted ecosystems during the course of university development.
14. Pondicherry University shall strengthen human capital towards climate actions by incorporating and emphasizing climate-resilient agricultural/ horticultural subjects or courses or programs to build the capacity of students, scholars, farmers, farming lovers, and others to better understand the entire gamut of climatic issues related to food security and natural reserve security and to sustainably secure.





15. Pondicherry University shall promote collaborative research in climate-resilient horticulture and agricultural activities to understand its impacts as well as to enhance capacity for effective climate change adaptation planning and management in India. Also, shall research to understand what approaches are better and more effective for climate-resilient farming so that better policies can be developed both at regional and national levels.
16. Pondicherry University shall provide the required academic inputs to various farming/agriculture-related organizations to build their knowledge and capacity for sustainable development.
17. Pondicherry University shall enhance its natural green cover by planting mixed native species to improve the overall biodiversity of the campus.





Contributors

56 K. Sivakumar

Professor

Department of Ecology and Environmental Sciences

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/prof-k-sivakumar/

Er. V. Mourougavelou

Assistant Engineer

Head (Civil & Electrical)

Pondicherry University

<https://www.pondiuni.edu.in/department/electrical-wing/>

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific Sub-Policy for SDG-13

“SDG 13.1 - Policy for Climate Resilient Horticulture and Other Agricultural Activities”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-13.1-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-13.1-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 14: Life Below Water”



Pondicherry University Goal-Specific Policy for “SDG 14: Life Below Water”.
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 14: Life Below Water”.

Introduction Founded in the year 1985, Pondicherry University stands as a prestigious Central University, exercising its academic influence across the expansive domains of the Union Territory of Puducherry, Lakshadweep, and the Andaman and Nicobar Islands. Situated amidst the serene expanse of Kalapet, the university's main campus unfurls across an impressive landscape spanning over 780 acres, providing a fertile ground for intellectual growth among its student and faculty community. Complementing this central hub, satellite campuses situated in Karaikal, Mahe, and Port Blair serve as additional bastions of learning, extending the university's reach and fostering academic excellence in diverse locales. The institution has solidified its commitment to international cooperation and faculty development through collaborative initiatives.

SDG 14, often referred to as "Life Below Water," constitutes a crucial endeavor aimed at preserving and responsibly harnessing the wealth of oceans, seas, and marine resources to foster sustainable development. The ocean, a veritable lifeblood of our planet, serves as an indispensable lifeline for human existence and the flourishing of myriad living entities. Yet, the ocean grapples with an array of imminent perils, encompassing pollution, overexploitation through fishing, and the relentless impacts of climate change. With unwavering dedication, the university pledges to be a driving force behind the safeguarding and prudent utilization of oceans, seas, and marine resources. It shall actively partake in the pursuit of curbing marine pollution, endorsing sustainable fishing methodologies, and establishing safeguards for delicate marine habitats. Moreover, Pondicherry University will act as a beacon for research and education, fostering an environment conducive to the study of marine conservation and the tenets of oceanic sustainability. This includes a critical examination of the repercussions of climate change on marine ecosystems.

By embracing the principles enshrined in SDG 14, Pondicherry University not only advocates for the continued availability of essential aquatic resources but also assumes a pivotal role in preserving these invaluable assets for the generations yet to come. Through its concerted efforts, the university catalyzes a harmonious coexistence between humanity and the remarkable tapestry of marine life.

Policy Statement Nestled along the coastal shores, Pondicherry University wholeheartedly dedicates itself to a comprehensive approach to nurturing its student body and communities, aligning seamlessly with the principles of "Life Below Water" in every facet of existence both within and beyond the campus boundaries, in perfect synchronization with the stipulated objectives of this vital goal.

Target In its unwavering pursuit, Pondicherry University will transpire through harmonious and balanced partnerships, uniting forces with government departments, pertinent stakeholders, and collaborative task forces that are actively engaged in the realization of our marine resources as envisioned by Goal 14 at every stratum of society.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 14: Life Below Water to protect oceans, seas, and marine resources by eliminating on-campus pollution, and by educating the neighboring communities on sustainable fishing, and developing projects to protect and conserve all marine ecosystems and life and working jointly with relevant stakeholders from the government and private to sustain life below water.
2. Pondicherry University shall offer educational programs, training, and capacity building on fresh-water and marine-water ecosystems for local or national communities on sustainable management of fisheries.
3. Pondicherry University shall, through enhanced scientific cooperation, develop and support programs and incentives to encourage and maintain good aquatic stewardship practices to minimize physical, chemical, and biological alterations of aquatic ecosystems that address the impacts of ocean acidification, from land-based activities, including debris and nutrient pollution and to have a dedicated research facility to monitor the health of aquatic ecosystems.
4. Pondicherry University shall conduct community outreach conservation programs, and coastal cleanups, complementing the blue flag program by holding on to the precautionary principle and best available scientific information, consistent with regional, national, and international laws and regulations.



- 
5. Pondicherry University shall organize events to raise awareness and enforce relevant laws to promote the conservation and sustainable utilization of the oceans, seas, lakes, rivers, and marine resources and protect any IUCN Red Listed species and National Conservation Listed Species with habitats.
 6. Pondicherry University shall in collaboration with professionals and non-government organizations evolve strategies to offer educational outreach activities for local or national communities to raise awareness on overfishing, illegal, unreported, and unregulated fishing, and destructive fishing practices.
 7. Pondicherry University shall jointly solve and implement science-based/ nature-based/ ecosystem-based management plan for their ecosystem restoration in order to achieve healthy and productive oceans and to restore fish stocks in the shortest time feasible, to avoid significant adverse impacts.
 8. Pondicherry University shall have water quality standards and guidelines for water treatment, reclamation, and discharges to protect and restore ecosystems, wildlife, and human health and welfare.
 9. Pondicherry University shall increase scientific knowledge, develop research capacity, and transfer small-scale artisanal fishery technology to improve ocean health and also provide certificate courses and vocational training for inland and coastal aquaculture, fishery products, and sustainable tourism.
 10. Pondicherry University shall enhance the advocacy for the conservation and sustainable use of oceans and other aquatic resources while eliminating and combating poaching and trafficking of wild and protected species and purchase of illegal wildlife products and trophies, adhering to the Wildlife (Protection) Act and Convention on International Trade in Endangered Species (CITES) of fauna and flora while enforcing regional, national, and international laws.
 11. Pondicherry University shall develop a watershed management strategy to provide directions in protecting, improving, conserving, and restoring the watershed in partnership with the local communities.
 12. Pondicherry University shall collaborate with the local fishery department and fishermen communities through partnerships in an effort to maintain shared aquatic ecosystems.
 13. Pondicherry University shall work directly with research organizations, non-government organizations, and industries to maintain and restore ecosystems and their biodiversity, especially those under threat and to transfer technologies or practices that enable the marine industry to minimize or prevent damage to aquatic ecosystems.



14. Pondicherry University shall provide awareness, training, and knowledge and build human capital in achieving the targets related to 'Life Below Water' by strengthening the curricula of its various courses or programs (soft/ hard/ certificate) to equip well the knowledge of the students on biodiversity conservation in the aquatic environment, the importance of the functioning aquatic ecosystems, and ecology and its sustainable use.
15. Pondicherry University shall analyze knowledge gaps and shall provide evidence-based solutions to build on the lacuna that is necessary for the protection, restoration, and promotion of sustainable use and management of aquatic resources/ ecosystems and to solve the challenges that hinder the achievement of the targets of SDG 14.
16. Pondicherry University shall play advocacy roles based on its research findings and assist the government in firming up better policies.
17. Pondicherry University shall implement and promote ecosystem-based approaches and nature-based solutions to restore aquatic ecosystems in line with the United Nations Decade on Ecosystem Restoration (2021-30) theme: prevent, halt, and reverse.
18. Pondicherry University shall establish a common platform to collaborate with all stakeholders, youth, and young individuals to mitigate and protect the dwindling aquatic resources from climate disasters.
19. Pondicherry University shall in collaboration with research organizations establish a species propagation/survival center to increase the decreasing species in the aquatic environment.





Contributors

Dr. K. Srinivasamoorthy

Professor

Department of Earth Sciences

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-k-srinivasamoorthy/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-14: Life Below Water”, Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-14-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-14-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 15: Life On Land”





Policy Heading Pondicherry University Goal-Specific Policy for “SDG 15: Life on Land”

Introduction Established in 1985, Pondicherry University stands as a distinguished Central University, exercising jurisdiction across the Union Territory of Puducherry, as well as the enchanting domains of Lakshadweep and the Andaman and Nicobar Islands. Rooted in a resolute commitment its academic repertoire spans an array of disciplines, encompassing the realms of Humanities, Sciences, and Engineering. Nestled in the scenic expanse of Kalapet, the university's main campus sprawls over an impressive 780 acres, serving as an intellectual haven for both students and faculty. Beyond this central hub, the university extends its reach through satellite campuses located in Karaikal, Mahe, and Port Blair, each contributing to the dissemination of knowledge and fostering academic excellence. University's dedication to global engagement and cross-cultural enrichment is underscored by its strategic collaborations with a multitude of esteemed international institutions, industries, and research NGOs for collaborative initiatives, faculty development, and the exchange of innovative ideas, amplifying the university's global impact and fostering a vibrant scholarly ecosystem.

SDG15, known as "Life On Land," holds immense significance in safeguarding and preserving terrestrial ecosystems both within and beyond educational campuses. This goal entails shielding biodiversity, countering desertification, and ensuring sustainable forest management. Pondicherry University recognizes the paramount importance of upholding SDG15 as it resonates with the institution's unwavering dedication to nurturing students and communities both within and outside the campus environment. Through collaborative partnerships, the University is committed to catalyzing efforts that safeguard and rejuvenate terrestrial life. This encompasses advocating for sustainable practices in ecosystem use, fostering responsible forest management, combating desertification, and curbing the decline of biodiversity and land quality.

By adopting these initiatives, Pondicherry University not only contributes to the preservation, rehabilitation, and sustainable exploitation of on-campus and off-campus terrestrial and freshwater ecosystems and their associated benefits but also remains aligned with international accords and national policies. Additionally, the university will play a pivotal role in disseminating educational programs that promote the prudent conservation and sustainable utilization of campus land, fostering SDG 15's targets.

Policy Statement Pondicherry University is committed to taking every measure to support the students and communities through education and research, campus operations, community engagement, sustainable land management, and biodiversity conservation in every sphere of life both on and outside campus in tandem with the targets of the goal.

Target Pondicherry University will reach out to its students and communities in equitable partnership with government departments, relevant stakeholders, and working groups implementing the SDG targets at all levels.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 15: Life On Land to create action to protect and restore life on land, promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and biodiversity loss complementing Kunming-Montreal Global Biodiversity Framework.
2. Pondicherry University shall ensure and advocate the conservation, restoration, and sustainable use of on-campus and other terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains, and drylands, in line with obligations under international agreements and national policies.
3. Pondicherry University shall promote and catalyze the implementation of sustainable management of all types of forests of the region and beyond, halt deforestation, restore degraded forests and substantially increase afforestation and reforestation to end further acceleration in the global rate of species extinction.
4. Pondicherry University shall work directly with the government and non-government organizations to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat, and to identify, monitor, and protect species and habitats that are listed under the Wildlife (Protection) Act, 1972, Conservation of Migratory Species of Wild Animals (CMS) and the International Union for Conservation of Nature (IUCN) Red List, Convention on International Trade in Endangered Species (CITES), National Conservation List, etc.





5. Pondicherry University shall in collaboration with relevant stakeholders combat on-campus and regional soil compaction and desertification, restore degraded land and soil, and strive to achieve a land degradation-neutral.
6. Pondicherry University shall in collaboration with relevant stakeholders ensure the conservation of mountain ecosystems, their biodiversity, and related knowledge, in the off-campus/ satellite campus areas, to enhance their availability and capacity to provide essential benefits for life and sustainable development.
7. Pondicherry University shall offer educational programs on wild flora and fauna and their ecosystem services for students across disciplines, and local or national communities and engage youth to maintain the campus biodiversity register, take urgent and significant action to reduce the degradation of natural habitats, halt the loss of biodiversity and, protect and prevent the extinction of threatened species.
8. Pondicherry University shall offer an on-campus educational program for local or national communities and farmers on sustainable management of land for topsoil ecosystem restoration, regenerative agriculture and food production, and sustainable tourism adhering to The United Nations Convention to Combat Desertification (UNCCD).
9. Pondicherry University shall consider campus biodiversity, in the planning and development process, practice relocation of trees, sustaining landscapes, creating multiple and diverse thematic gardens for forest bath and recreation purposes, and obtain NOC from the relevant authorities in compliance with the applicable rules and National Green Tribunal directions for the construction of new buildings.
10. Pondicherry University shall have a separate digital repository to document, store, track, and disseminate the existing flora and fauna of the campus and to reduce the impact of alien species if any and in addition, take urgent action to eliminate and combat poaching and trafficking of wild and protected species and purchase of illegal wildlife products and trophies, adhering to Wildlife (Protection) Act and Convention on International Trade in Endangered Species (CITES) of fauna and flora while enforcing regional, national, and international laws.
11. Pondicherry University shall share its resources with the regional and national governments in framing policies, protocols, and frameworks to integrate ecosystem restoration and biodiversity conservation in governmental planning.
12. Pondicherry University shall have water quality standards and guidelines for water discharge, treatment, reclamation, and application to uphold water quality to protect topsoil and terrestrial ecosystems, wildlife, and human health and welfare.
13. Pondicherry University shall in collaboration with various stakeholders establish a self-sustaining business model for apiary and other cultures/ farming that have economic and conservation values, and the same could be used exclusively for educational purposes.





14. Pondicherry University shall have sustainable waste management systems to manage its solid, plastic, biomedical, chemicals, hazardous, and e-wastes and upcycling technologies for resource conservation and pollution prevention, and promote the same to all campuses and communities.
15. Pondicherry University shall make every effort to prevent the occurrence of fire accidents within the campus.
16. Pondicherry University shall collaborate with the local government and communities through partnerships, in efforts to maintain shared land ecosystems.
17. Pondicherry University shall support and organize student and community-centered events aimed at promoting conservation and sustainable utilization of the land, including other wildlands and forests.
18. Pondicherry University shall provide knowledge and build human capital in achieving the targets related to 'Life on Land' by strengthening the curricula of its various courses and disciplines so that students are well equipped with the knowledge on biodiversity conservation, the importance of the functioning ecosystem, and ecology and its sustainable use.
19. Pondicherry University shall research to build gaps in knowledge that are necessary for the protection, restoration, and promotion of sustainable use of terrestrial ecosystems, sustainable management of wildlife and forests, and to halt and reverse land degradation, combat desertification, and ultimately halt biodiversity loss in the country. Further, the university shall strengthen its research programs so that biodiversity conservation can be mainstreamed into development sectors.
20. Pondicherry University shall provide evidence-based solutions that can solve the challenges that hinder the realization of SDG 15.
21. Pondicherry University shall play advocacy roles based on its research findings and assist the government in firming up better policies.
22. Pondicherry University shall develop a 'PU Biodiversity Action Plan' in line with the 'National Biodiversity Action Plan' of India to provide positive contributions to all life forms on the university campuses.
23. Pondicherry University shall implement and promote ecosystem-based approaches and nature-based solutions to restore terrestrial ecosystems in line with the UN Decade on Ecosystem Restoration (2021-30) theme: prevent, halt, and reverse.
24. Pondicherry University shall in collaboration with research organization(s) establish a species propagation/survival center to increase the decreasing species in the terrestrial environment.





Contributors

56. K. Sivakumar

Professor

Department of Ecology and Environmental Sciences

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/prof-k-sivakumar/

56. S. Jayakumar

Professor

Department of Ecology and Environmental Sciences

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-s-jayakumar/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-15: Life on Land”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-15-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-15-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023



Pondicherry University Goal-Specific Policy for “SDG 15: Life on Land”.

Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, Puducherry, India, 2023.



Pondicherry University

R. Venkataraman Nagar

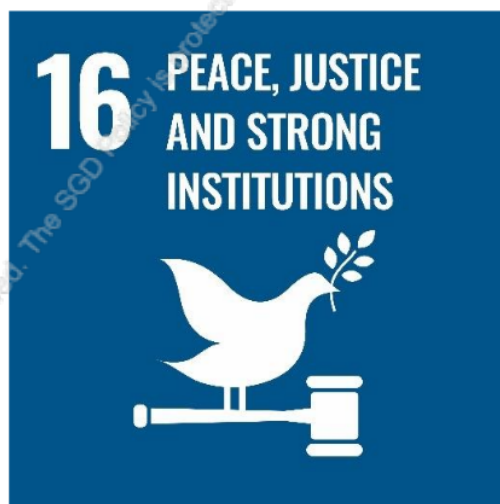
Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

⁸³ Pondicherry University Policy for “SDG 16: Peace, Justice, and Strong Institutions”



Pondicherry University Goal-Specific Policy for “SDG 16: Peace, Justice, and Strong Institutions”.
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 16: Peace, Justice, and Strong Institutions”.

Introduction Founded in 1985, Pondicherry University stands as a Central University, casting its educational influence over the expansive Union Territory of Puducherry, Lakshadweep, and the Andaman and Nicobar Islands. Rooted in a commitment to knowledge propagation, the university's core aspirations encompass the advancement of wisdom through instructional endeavors and scholarly exploration. With a resolute dedication to interdisciplinary studies and research, Pondicherry University strives to engender holistic insights and innovative perspectives. Situated in the tranquil expanse of Kalapet, the university's main campus unfolds across an impressive 780 acres, serving as an intellectual sanctuary for students and scholars alike. Complementing this central hub, satellite campuses in Karaikal, Mahe, and Port Blair extend the university's reach, fostering academic excellence in diverse locales. This dedication to global engagement is manifest in Pondicherry University's strategic partnerships.

SDG 16, often referred to as "Peace, Justice, and Strong Institutions," occupies a pivotal role in fostering a just and stable society. Pondicherry University, as a beacon of education, can significantly contribute to SDG 16 by imparting quality instruction that promotes democratic values and human rights, fostering a secure and inclusive campus milieu, and spearheading research and innovation conducive to good governance and justice.

Prioritizing SDG 16 becomes imperative for Pondicherry University, heralding the promise of social cohesion, reduced inequality, and enduring stability. By championing this goal, the university creates an environment where learning, ingenuity, and creativity flourish, ultimately cultivating a more equitable and just society, and affording equal opportunities to all. Collaborating with government bodies, civil society organizations, and other stakeholders, Pondicherry University can wield its influence in building institutions that propagate peace and justice across all echelons. Through this commitment, the university nurtures a future that is sustainable, equitable, and luminous for all who tread its halls and beyond.

Policy Statement Dedicated to its mission, Pondicherry University is resolute in its determination to provide unwavering support to students and communities, championing the Goal 16 principles of "Peace, Justice, and Strong Institutions" in every facet of existence both within the campus precincts and beyond, in perfect harmony with the stipulated targets of this crucial goal.

Target In its earnest pursuit, Pondicherry University will extend its embrace to encompass students and communities across an array of domains, spanning its central campus, satellite campuses, and affiliated institutions. This outreach will be meticulously orchestrated through inclusive and balanced partnerships, fostering synergies with government departments, pertinent stakeholders, and collaborative task forces that are actively involved in the realization of these essential aspirations at all levels of society.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold **SDG 16: Peace, Justice, and Strong Institutions** to promote peaceful and inclusive societies for sustainable development, to provide access to global standards of justice for all, and build effective, accountable, inclusive institutions, and a commitment to peace everywhere at all levels.
2. Pondicherry University shall significantly advocate through its education systems to end abuse, exploitation, trafficking, and all forms of violence against and torture of children and to reduce all forms of violence within the campus, and promote the same to others.
3. Pondicherry University shall recognize and engage elected representation from students, faculty, non-teaching staff, and local stakeholders, including local residents, local government, local private, and local civil society representatives for participating in the university's highest governing body and in the university decision-making process.
4. Pondicherry University shall broaden and strengthen the collaboration with developing countries and developed countries on the institutions of global governance platform addressing peace and prosperity to all.
5. Pondicherry University shall ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements.





6. Pondicherry University shall publish an annual report to disclose and disseminate the progress of the university on its vision, mission, principles, commitments, and financial data for effective, accountable, and transparent institutions at all levels.
7. Pondicherry University shall by adhering to the existing laws and their amendments have a separate vigilance and security wing to enforce, monitor, and take disciplinary action against organized crime, corruption, bribery, drugs, arms flows, and illicit financials.
8. Pondicherry University shall support students' academic freedom to choose areas of research and to speak and teach publicly about the area of their research.
9. Pondicherry University shall in collaboration with relevant stakeholders provide objective specific expert advice to the local, regional, or national government through policy guidance, participation in committees, and provision of research-based evidence or technologies.
10. Pondicherry University shall provide outreach, general education, upskilling, green skilling, and capacity-building to its students, faculties, communities, policymakers, and lawmakers on relevant topics addressing the targets of SDGs and the triple planetary crisis.
11. Pondicherry University shall undertake policy-focused research (self-funded / granted) in collaboration with government departments, international organizations, and research-based non-government organizations.
12. Pondicherry University shall through national/ international cooperation increase the proportion of graduates in law and enforcement-related courses (civil and environmental).
13. Pondicherry University shall support students' unions/ associations fostering youth engagement at all levels.
14. Pondicherry University shall introduce non-discriminatory policies for sustainable development and build capacity at all levels to prevent violence and crime and combat trafficking and terrorism.





Contributors

Dr. G. Subhalakshmi

Assistant Professor

Department of Law

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-g-subhalakshmi-2/

Dr. Gurminder Kaur

Assistant Professor

Department of Law

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-gurminder-kaur/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-16: Peace, Justice, and Strong Institutions”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-16-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-16-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 17: Partnerships for the Goals”



Pondicherry University Goal-Specific Policy for “SDG 17: Partnerships for the Goals”.
Internal Quality Assurance Cell & Office of Green Campus®, Pondicherry University, Puducherry, India, 2023.



Policy Heading

Pondicherry University Goal-Specific Policy for “SDG 17: Partnerships for the Goals”.

Introduction

Established in 1985, Pondicherry University is a Central University encompassing the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its core objectives encompass advancing knowledge through both teaching and research, providing courses spanning Humanities, Sciences, and Engineering, as well as fostering interdisciplinary studies and research. Situated across a sprawling 780-acre expanse in Kalapet, the University's principal campus boasts an additional presence through satellite campuses in Karaikal, Mahe, and Port Blair. A testament to its commitment, Pondicherry University has forged MOUs with numerous international institutions, industries, and research-focused non-governmental organizations, fostering collaboration and faculty development.

SDG 17, or Partnerships for the Goals, underscores the imperative of cultivating robust and efficacious collaborations to realize other Sustainable Development Goals. Pondicherry University recognizes the intrinsic interconnectedness of SDG achievement and values partnerships spanning governmental bodies, non-governmental organizations, commercial enterprises, academia, and civil society. These alliances enable the institution to harness the varied strengths of diverse stakeholders, uniting efforts to address global predicaments.

Pondicherry University ardently upholds the principles of SDG 17 due to its recognition of partnerships as pivotal in realizing sustainable development. The university aspires to cultivate partnerships founded on shared objectives, reciprocal respect, and unwavering trust. Through these alliances, the university endeavors to contribute to SDG attainment by disseminating knowledge, pooling resources, and championing best practices. In this commitment, Pondicherry University earnestly collaborates with partners to champion sustainable development and forge a brighter collective future.

Policy Statement

Pondicherry University is dedicated to undertaking comprehensive efforts to bolster students and communities, fostering Partnerships for the Goals across all aspects of life, whether within or beyond the campus confines, aligning seamlessly with the goal's targets.

Target

To realize this commitment, Pondicherry University will actively engage with its student body and local communities, encompassing its primary campus, satellite extensions, and affiliated institutions. This engagement will transpire through fair and balanced partnerships, harmonizing the expertise of government entities, pertinent stakeholders, and collaborative working groups.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 17: Partnerships for the Goals, to ensure supportive, empathetic, inventive, passionate, and cooperative cultures; to revitalize the global partnership for sustainable development and speed up the post-covid implementation of Agenda 30 and the SDGs at all levels while addressing the triple planetary crisis: climate change, biodiversity loss, waste & pollution.
2. Pondicherry University shall have direct involvement and collaboration with the national government, regional government, and non-government organizations in developing policies, protocols, and standard operating procedures, related to SDGs.
3. Pondicherry University shall develop a water-food-energy-biodiversity-waste nexus on climate change adaptative modeling with interventions, monitoring, documenting, reporting, and disseminating for adaptive management in collaboration with relevant stakeholders.
4. Pondicherry University shall jointly with the national government and regional government and non-government organizations convene and participate in the cross-sectoral dialogue about the SDGs through conferences, symposiums, summits, etc., and also provide a platform for youth participation.
5. Pondicherry University shall develop goal-specific student volunteering programs, research programs, certificate courses, and educational resources in collaboration with non-government research organizations and line departments to implement the SDGs at all levels while complementing the National Government policies and mandates.





6. Pondicherry University shall participate in national and international collaborations for measuring data, reviewing comparative approaches, and developing international best practices for tackling the SDGs.
7. Pondicherry University shall provide mandatory environmental education and awareness to all students, researchers, faculties, and service providers irrespective of disciplines and areas of service/ expertise.
8. Pondicherry University shall in collaboration with non-government organizations develop climate action programs and certificate courses to educate, develop skills, and accommodate diverse actors to tackle SDGs.
9. Pondicherry University shall in collaboration with non-government organizations have dedicated outreach educational activities for the wider community including alumni, residents, displaced people, service providers, specially challenged, aged, and others through adoption programs, cleanups, etc., and for disaster preparedness.
10. Pondicherry University shall encourage students to engage with or to start a non-government organization to provide multi-level services in refabricating the Indian heritage and culture, and to respect and complement the national leadership in implementing policies for sustainable development goals.
11. Pondicherry University shall in collaboration with the regional entrepreneur cell, relevant government departments, district industries center, incubation centers, and reputed non-government organizations, identify artisans and provide capacity building and platforms under soft, hard, and thematic interventions to promote indigenous products in local markets and significantly increase exports.
12. Pondicherry University shall in collaboration with reputed non-government organizations, promote the development, transfer, dissemination, and diffusion of environmentally sound green business ideas and technologies through the university incubation center.
13. Pondicherry University shall in collaboration with government departments and reputed non-government organizations, establish a resource hub/center for data storing, knowledge sharing, and cooperation for access to science, technology, and innovation in tackling the targets of SDGs, ecosystem restoration, and the triple planetary crisis.
14. Pondicherry University shall mobilize additional financial resources from multiple sources like alumni, user fees, green campus funds, corporate social responsibility, donations, projects, partnerships, collaborations, in-kind contributions, and others for speedy implementation of Agenda 30 and sustainable development goals at all levels both on-campus and outreach.





15. Pondicherry University shall enhance international support by involving various stakeholders in implementing effective and targeted capacity-building to support national action plans to implement all the Sustainable Development Goals at all levels.
16. Pondicherry University shall enhance the multi-stakeholder global partnerships that mobilize and increase significantly the availability of high-quality, timely, reliable, and real-time data and share knowledge, expertise, technology, and financial resources to measure the progress of the implementation of Sustainable Development Goals at all levels.
17. Pondicherry University shall publish SDG goal-specific progress reports through effective public-private-non-government organizations partnerships while building on the experience and resourcing strategies of partnerships.
18. Pondicherry University shall develop an NGO certification system in collaboration with relevant stakeholders to streamline the NGO platforms and participation for effective partnerships and goals implementation.
19. Pondicherry University shall publish a digitalized SDG-News Letter to disseminate the actions taken by all relevant stakeholders across the globe.





Contributors

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Ms. Ilaya Bharathi

Statistical Assistant

IQAC, University Rankings & Accreditation

Pondicherry University

<https://www.linkedin.com/in/ilayabharathi/?originalSubdomain=in>

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for "SDG 17: Partnerships for the Goals", Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-17-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-17-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 2: Zero Hunger”



Pondicherry University Goal-Specific Policy for “SDG 2: Zero Hunger”.
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 2: Zero Hunger”.

Introduction Pondicherry University established in 1985, is a Central University with a jurisdiction spread over the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its objectives include advancing knowledge through teaching and research, offering courses in humanities, sciences, and engineering, and promoting interdisciplinary studies, and research. The University's main campus is located in Kalapet, spanning over 780 acres, and it also has satellite campuses in Karaikal, Mahe, and Port Blair. The University has signed several MOUs for collaboration and faculty development.

SDG 2, known as "Zero Hunger," occupies a pivotal position in the global quest for sustainable development, underlining its paramount importance in fostering and thriving communities worldwide. Through dynamic partnerships with governmental bodies, relevant stakeholders, and collaborative task forces, Pondicherry University is steadfast in its resolve to champion sustainable agricultural practices, bolster the endeavors of small-scale farmers, and ensure equitable access to nourishing and affordable sustenance for all. By enhancing food security and nurturing sustainable agricultural methods, Pondicherry University aspires to forge a society marked by robust well-being and equitable access to nourishment.

In pursuit of SDG 2, Pondicherry University is poised to champion the cause of food security and alleviate malnutrition, with a special emphasis on safeguarding vulnerable groups, including women and children. The university pledges to embark on research endeavors geared towards sustainable agricultural practices, promote the establishment of community gardens, and disseminate knowledge among both students and the wider community concerning wholesome dietary habits. Pondicherry University ardently recognizes that access to nutritious sustenance is an inherent human right, and it is steadfast in its commitment to relentlessly pursue this objective, both within the campus and in the neighboring communities.

Policy Statement Dedicated to its mission, Pondicherry University is resolute in its commitment to providing comprehensive support to students and communities, aligning seamlessly with the tenets of the Zero Hunger goal in every facet of existence both within the campus confines and extending beyond, in harmonious alignment with the defined targets of this vital pursuit.

Target In its earnest endeavor, Pondicherry University will extend its outreach to encompass students and communities across a spectrum of domains. This outreach will be meticulously orchestrated through inclusive and balanced partnerships, fostering synergies with government departments, pertinent stakeholders, and collaborative task forces that are actively engaged in realizing the aspirations of the Zero Hunger goal at all levels of society.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall practice on-campus regenerative agricultural practices that increase productivity and help maintain soil and campus ecosystems, that strengthen capacity for adaptation to climate change, extreme weather events, drought, flooding, and other disasters, while progressively improving land and soil quality.
2. Pondicherry University shall in collaboration with farmer and farming associations, agricultural institutions, non-governmental organizations, and related departments, advocate sustainable, regenerative agricultural practices with traditional technologies to improve nutrition and fair distribution systems to achieve food security and end hunger in particular to the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round.
3. Pondicherry University shall recommend or provide nutritious food in the daycare center the nutritional needs of hostel-dwelling adolescent girl students, quarters-dwelling pregnant and lactating women, and older persons, and promote the same to all in the region.
4. Pondicherry University shall enhance international and national cooperation for agricultural research, technology development, and extension services, to refabricate rural infrastructure, to enhance plant and livestock productive capacity.





5. Pondicherry University shall through relevant departments, stakeholders, and incubation centers, offer productive resources, inputs, knowledge, skills, technologies, financial services, markets, and opportunities for value addition and non-farm employment to double the agricultural productivity and incomes of small-scale food producers, in particular women, indigenous peoples, family farmers, pastoralists and fishers.
6. Pondicherry University shall in collaboration with non-governmental organizations, concerned ministries, Khadi and Village Industries Commission, and government departments campaign climate change adaptation through regenerative agriculture in schools, colleges, and among farmers and neighboring communities to promote square-foot gardens, home gardens, rooftop gardens, herbal gardens, urban animal farming, beekeeping, hydroponics, aquaponics, climate-smart agriculture/farming, etc.
7. Pondicherry University shall through resource recycling restore topsoil ecology for soil production and sustenance and also shall extend support to the neighboring communities in soil ecosystem restoration initiatives.
8. Pondicherry University shall emphasize more on collaborative programs/ projects/ schemes pertaining to the increase of agricultural knowledge, productivity, livelihood, good food, and nutrition for all.
9. Pondicherry University shall during admission track the graduates in agriculture and aquaculture including sustainability aspects and provide additional training to upgrade their skills in this field, in addition, shall constitute a separate department or center or office to support government and farming communities in this regard.
10. Pondicherry University shall have a food policy in place to cater to the need of the campus dwellers and service providers for food sustainability, also shall provide sustainable food choices for all on campus, including vegetarian and vegan food.





Contributors

Dr. S. Haripriya

Professor

Department of Food Science and Technology

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-s-haripriya/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator - Internal Quality Assurance Cell

All University Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific Policy for “SDG-2: Zero Hunger”. Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-2-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-2-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 3: Good Health and Well Being”





Policy Heading

Pondicherry University Goal-Specific Policy for “SDG 3: Good Health and Well-Being”.

Introduction

Established in 1985, Pondicherry University operates as a Central University, encompassing the jurisdiction of the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its core objectives encompass advancing knowledge through academic and research, offering a diverse range of courses spanning Humanities, Sciences, and Engineering, and fostering interdisciplinary studies and research initiatives. The university's primary campus situated in Kalapet, spanning over 780 acres, is complemented by satellite campuses in Karaikal, Mahe, and Port Blair. Through Memoranda of Understanding, Pondicherry University has established collaborations with numerous international institutions, industries, and non-governmental research organizations, aimed at fostering cooperative ventures and faculty development.

Pondicherry University has undertaken a commitment to uphold SDG 3: Good Health and Well-being. Acknowledging the significance of imparting healthy lifestyles and preventive health measures, the university endeavors to ensure the well-being of its students and communities, both within and beyond the campus. Collaborations with healthcare institutions, non-governmental organizations, and healthcare professionals are sought to enhance post-COVID health outcomes, advocate traditional remedies, and provide education on mental health, and sexual and reproductive healthcare.

Championing SDG 3 holds pivotal importance for Pondicherry University, reflecting its dedication to equitably offering access to health and well-being, irrespective of individuals' backgrounds or circumstances. By advocating healthy practices, averting illnesses, and facilitating affordable natural treatments, the university diligently advances its mission of cultivating a sustainable and health-conscious campus community. Additionally, prioritizing SDG 3 serves as an embodiment of the university's social responsibility, contributing to public health and augmenting the overall welfare of society.

Policy Statement

Pondicherry University is devoted to implementing all necessary actions to bolster students and communities, ensuring their holistic well-being across all aspects of life, both within and beyond the campus. This commitment is in alignment with the specific objectives of the overarching goal, emphasizing the attainment of good health and overall well-being.

Target

Pondicherry University is poised to extend its engagement with students and communities, encompassing its primary campus, satellite campuses, off-campus centers, and affiliated institutions. This outreach will be conducted through collaborative and fair partnerships involving government departments, pertinent stakeholders, and collaborative working groups.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold **SDG 3: Good Health and Well-being** to provide **healthy lifestyles**, disease preventive measures, and efficient natural remedies for everyone on campus and promote the same to all communities.
2. Pondicherry University shall promote the AYUSH Ministry's recommendations and traditional culinary remedies as appropriate to the on-campus community and community outreach for overall health and well-being.
3. Pondicherry University shall collaborate with health institutions, local municipalities, scientists, and professionals to improve post-COVID health and well-being outcomes.
4. Pondicherry University shall in collaboration with reputed non-government organizations and student volunteers deliver outreach programs and implement projects and programs in the neighboring communities on health, hygiene, cleanliness, good nutrition, traditional and herbal foods, and others to end preventable diseases.
5. Pondicherry University shall improve adequate facilities for exercise, yoga, and landscape walkways, and encourage the campus community to utilize the same for healthy living, in addition, educate on safe driving and preventing accidents.





6. Pondicherry University shall share its sports facilities with the local schools, colleges, and communities, either free of charge, or sponsored, or shall collect charges to meet running costs and incidental expenditures.
7. Pondicherry University shall prioritize the campaign: no-smoking, no-drugs, no-ragging, no-discrimination, no-sexual harassment, and to strongly implement the convention and framework laid down by the international and national bodies and take necessary action on those who violate.
8. Pondicherry University shall support research and development on affordable tradition-based natural medicines for communicable and non-communicable diseases that primarily affect the pro-poor and vulnerable.
9. Pondicherry University shall make every effort to sustainably manage chemicals from research labs and sanitary wing, and all kinds of wastes that are generated from day-to-day campus operations to prevent illnesses and air, water, soil, and ocean pollution and cross-contamination. In addition, shall educate students to comply with Rules and Regulations.
10. Pondicherry University shall provide education on the promotion of good mental health and sexual and reproductive healthcare.
11. Pondicherry University shall in collaboration with various ministries, line departments, nodal agencies, and reputed non-government organizations, make a coordinated effort to raise sound awareness on climate-related tropical diseases, hepatitis, water-borne diseases, and other communicable diseases and to ensure healthy lives and promote well-being for all at all ages.





Contributors

Dr. Jesurathnam Devarapalli

Professor
Department of Anthropology
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-jesurathnam-devarapalli/

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator - Internal Quality Assurance Cell
All University Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG 3: Good Health and Well Being”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-3-V2.0-23

Policy Number:

PU-IQAC&OGC-SDG-3-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Chinna Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 4: Quality Education”



Pondicherry University Goal-Specific Policy for “SDG 4: Quality Education”.
Internal Quality Assurance Cell & Office of Green Campus, Pondicherry University, 2023.



Policy Heading

Pondicherry University Goal-Specific Policy for “SDG 4: Quality Education”

Introduction

Pondicherry University was founded in 1985 as a Central University, encompassing the jurisdiction of the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. The university's primary goals encompass advancing knowledge through teaching and research, providing courses in Humanities, Sciences, and Engineering, and encouraging interdisciplinary studies and research. The primary campus spans 780 acres in Kalapet, with additional satellite campuses in Karaikal, Mahe, and Port Blair. Collaborative agreements have been established with various international institutions, industries, and non-governmental research organizations to facilitate cooperation and faculty growth.

SDG 4, which focuses on Quality Education, stands as a pivotal factor in achieving sustainable development and shaping a better future for both individuals and societies. Recognizing education as a fundamental human right, it assumes a crucial role in fostering economic progress, diminishing poverty, and constructing harmonious, fair, and all-inclusive communities. Education also stands as a central pillar in endorsing gender equality, environmental preservation, cultural diversity, and empowering individuals and communities to drive transformative changes and contribute to global advancement. In essence, education remains the sole indispensable component of sustainable development.

Championing SDG 4 stands as an imperative act in constructing an improved world for current and forthcoming generations. Education emerges as a potent instrument for breaking the cycle of impoverishment, curtailing disparities, and advancing social mobility. Quality education has the potential to equip individuals with the necessary knowledge, competencies, and attitudes to thrive, contribute to society, and chase their ambitions. Moreover, it can foster critical thinking, ingenuity, and originality, while nurturing a sense of civic duty, human rights, and societal accountability. By investing in education and guaranteeing universal access to quality learning, we pave the way for a more comprehensive, equitable, and sustainable world. In this envisioned world, everyone gains the opportunity to unleash their full potential and play a role in creating a more promising tomorrow.

Policy Statement

Pondicherry University is resolute in its dedication to providing unwavering support to students and communities by delivering Quality Education across all facets of life, whether within the campus environment or beyond, aligning seamlessly with the objectives of the specified goal.

Target

The university will extend its outreach to encompass students and communities through its principal campus, satellite campuses, off-campus facilities, and affiliated institutions. This engagement will be characterized by a commitment to equitable collaboration, involving governmental bodies, pertinent stakeholders, and collaborative working groups.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 4: Quality Education, and provide sustainability education on the global goals to all both on campus and outreach, thereby opening a world of opportunities regardless of ethnicity, religion, disability, caste, creed, status, immigration status, gender, transgender, and others.
2. Pondicherry University shall uphold the National Education Policy in all of its academic activities making the education system more flexible, holistic, and multi-disciplinary which will bring out the student's unique capabilities to sustain communities and cities.
3. Pondicherry University shall establish adequate infrastructure and research facilities for academic, environmental, and industrial research and provide service to the public and other researchers on request with a nominal charge.
4. Pondicherry University shall ensure that all girls and boys have access to quality early childhood development, care, and pre-primary education at the University Day Care Centre making them ready for primary education.
5. Pondicherry University shall frame the curriculum for regular and certificate courses with core essentials covering SDGs and its targets to substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, green skills, life skills, and social skills for employment, decent jobs, and entrepreneurship.





6. Pondicherry University shall ¹⁵ ensure equal access to all levels of education and vocational training for vulnerable women and men, including persons with disabilities, transgender, indigenous peoples, and youth in vulnerable situations.
7. Pondicherry University shall host public lectures, and community educational events that are open to the outside communities.
8. Pondicherry University shall provide access to educational e-resources even for those not studying at the university.
9. Pondicherry University shall encourage the teaching profession among ⁷² students, increase the number of teachers, and also effect the supply of well-trained and qualified teachers through international cooperation for faculty exchange and teacher training in developing countries.
10. Pondicherry University shall either undertake or encourage voluntary student-run schemes to provide tailored climate education as an outreach activity in local schools, colleges, and communities.
11. Pondicherry University shall provide adequate support to the 1st generation of students coming from the poor or marginalized or vulnerable communities with additional support for girl students.
12. Pondicherry University shall in collaboration with ¹¹⁵-government research organizations develop living labs for lab-to-land environment education to ensure that all learners acquire the knowledge and skills needed to promote sustainable development, lifestyle, and global citizenship.





Contributors

Dr. G. Chandhrika

Professor
Department of History
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-g-chandrika/

Dr. E. Sreekala

Professor
Department of Education
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-e-sreekala/

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator - Internal Quality Assurance Cell
All University Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Biodiversity, and Resources
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for
“SDG 4: Quality Education” Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-4-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-4-V2.0-23
1st Version: NLGCIAP-APSCC*-PU-March-2018
2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Chinna Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 5: Gender Equality”



Pondicherry University Goal-Specific Policy for “SDG 5: Gender Equality”.
Internal Quality Assurance Cell & Office of Green Campus, Pondicherry University, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 5: Gender Equality”

Introduction Established in 1985, Pondicherry University functions as a Central University, with its jurisdiction extending over the Union Territory of Puducherry, Lakshadweep, and the Andaman and Nicobar Islands. The university's objectives encompass the advancement of knowledge through instructional and research endeavors, the provision of courses spanning Humanities, Sciences, and Engineering, and the facilitation of interdisciplinary studies and research. Its primary campus, sprawling over 780 acres in Kalapet, is complemented by satellite campuses in Karaikal, Mahe, and Port Blair. Collaborative agreements with international institutions, industries, and research NGOs have been established to foster collaboration and faculty development.

SDG 5, which revolves around ‘Gender Equality’, stands as a pivotal element for establishing a just and impartial society. This goal accentuates the significance of providing equal opportunities and rights for all genders across various spheres of life, encompassing education, employment, and politics. Gender equality holds a paramount role in sustainable development and the mitigation of poverty. By ensuring equal participation and empowerment, societies can harness a variety of perspectives and concepts, resulting in more innovative and comprehensive solutions.

Upholding SDG 5 remains an indispensable pursuit for Pondicherry University in constructing an environment that champions gender equality and diversity. The university aspires to provide parity in educational and occupational prospects, particularly focusing on supporting women in their academic and vocational pursuits. It additionally endeavors to cultivate gender sensitivity and inclusiveness through educational initiatives and awareness-raising endeavors both within and beyond the campus premises. Prioritizing SDG 5 further assists the university in creating a secure and all-encompassing campus atmosphere, devoid of bias, harassment, or any form of gender-based violence. By upholding SDG 5, Pondicherry University commits itself to nurturing an equitable and impartial society that values and champions equal opportunities and rights for all genders.

Policy Statement Pondicherry University is dedicated to implementing comprehensive measures to back students and communities in the pursuit of Gender Equality across all aspects of life, both within and beyond the campus environment, aligning harmoniously with the specified goal's objectives.

Target The university will extend its outreach to encompass students and communities through its principal campus, satellite campuses, off-campus facilities, and affiliated institutions. This engagement will be characterized by a commitment to equitable collaboration, involving governmental bodies, pertinent stakeholders, and collaborative working groups. Through these efforts, Pondicherry University aims to create an environment that promotes Gender Equality and fosters inclusivity and fairness, both within its educational sphere and within the broader societal context.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 5: Gender Equality to overcome gender bias and prejudice achieving gender ¹⁴⁵empowerment and equality among all women, girls, and transgender people thereby ending all forms of discrimination, violence, and exploitation in every walk of life.
2. Pondicherry University shall adhere to the national and regional maternity and paternity policies and social protection policies that are in effect.
3. Pondicherry University shall have childcare facilities for staff and faculty and also provide accessible childcare facilities for female students with children and shall have women's retiring rooms.
4. ¹⁰⁶ Pondicherry University shall ensure women's full and effective participation and equal opportunities for leadership at all levels of decision-making.
5. Pondicherry University ²³ shall have an 'Access and Participation' plan to systematically track and measure women's applications, acceptance, and participation in the university.





6. Pondicherry University shall have women's safety and security provisions and committees to address and redress complaints on discrimination, gender parity, violence, harassment, and others, and also shall have a dedicated portal for the same.
7. Pondicherry University shall encourage and provide special access and support to first-generation female students.
8. Pondicherry University shall provide access to all girls and women and encourage participation in information and communications technology.
9. Pondicherry University shall encourage applications by women in underrepresented subjects either through university outreach programs or collaboration with other universities and/or community groups and/or government and/or non-government organizations.
10. Pondicherry University shall provide women's access schemes for mentoring, scholarships, and other provisions with tracking, measuring, and closing any gaps that exist.
11. Pondicherry University shall in collaboration with the regional governments, national governments, community groups, and non-government organizations, conduct gender sensitization action camps in the local and rural communities emphasizing more on their participation, empowerment, upliftment, and health care.





Contributors

Dr. C. Aruna

Professor

Department of Sociology

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-c-aruna/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator - Internal Quality Assurance Cell

All University Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Biodiversity, and Resources

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal Specific Policy for
“SDG 5: Gender Equality” Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-5-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-5-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

**Pondicherry University Goal-Specific Policy for
“SDG 6: Clean Water and Sanitation”**



Pondicherry University Goal-Specific Policy for “SDG 6: Clean Water and Sanitation”.
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, 2023.



Policy Heading

Pondicherry University Goal-Specific Policy for “SDG 6: Clean Water and Sanitation”.

Introduction

Pondicherry University, founded in 1985, is a Central University covering the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its objectives encompass advancing knowledge through education and research, providing courses in Humanities, Sciences, and Engineering, and encouraging interdisciplinary studies, and research. The primary campus, spanning 780 acres, is in Kalapet, complemented by satellite campuses in Karaikal, Mahe, and Port Blair. The University collaborates with international institutions, industries, and non-government research organizations for development.

SDG 6: Clean Water and Sanitation strives to secure access to safe, affordable drinking water and proper sanitation worldwide. This goal is crucial as around 2.2 billion people lack safe drinking water, and 4.2 billion lack proper sanitation. This scarcity leads to diseases, malnutrition, and poverty, notably in developing nations. SDG 6 also targets enhanced water quality and reduced pollution, which are vital for aquatic ecosystems, soil ecosystems, and a sustainable future.

Pondicherry University acknowledges SDG 6's vital importance and pledges commitment towards its protection and conservation. It intends to foster sustainable water and sanitation practices on campus and in the communities it serves. Eco-friendly sanitation methods like composting toilets and wastewater treatment systems are promoted to cut surface, ground, and seawater pollution. Water conservation practices, including rainwater harvesting, water reclamation, and application combat on-campus and regional water scarcity. Upholding SDG 6, Pondicherry University strives for universal access to safe water and sanitation, regardless of geographical location.

Policy Statement

Pondicherry University is dedicated to fully supporting students and communities in achieving Clean Water and Sanitation targets, both within and beyond the campus environment. This commitment aligns with the objectives of multiple SDGs.

Target

The university will actively engage with its students and communities across its primary campus, satellite campuses, off-campus locations, and affiliated institutions. These efforts will be carried out through collaborative partnerships with government departments, pertinent stakeholders, and collaborative working groups.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold **SDG 6: Clean Water and Sanitation**, ensure sustainable withdrawals from the aquifers, distribution of freshwater, and substantially increase water-use efficiency and reuse strategies across all sectors, in addition, cooperate with local, national, and global governments, reputed non-government organizations, and industries on water security and support water conservation efforts.
2. Pondicherry University shall measure the total volume of water extracted from the aquifer, quantum distributed, and wastewater generated, treated, reclaimed, and reused, in addition, develop the water footprint of the campus covering all sectors and provide water education for its protection and conservation.
3. Pondicherry University shall have a separate well-maintained plumbing system to source segregated grey, black, research laboratory, canteen, and mess water in addition, to rooftop rainwater for treatment, reclamation, and application as appropriate.
4. Pondicherry University shall have uncrossed or set apart parallel distribution pipelines and waste water diversion pipelines to prevent the entry of polluted water into the potable water system.





5. Pondicherry University shall eliminate the dumping of waste, hazardous chemicals, and materials, thereby preventing the release of persistent chemicals into the aquifer and ocean and cross contamination of soil during monsoon.
6. Pondicherry University shall provide adequate and equitable sanitation and hygiene for all with a 50% anticipated reduction in the usage of sanitary chemicals by 2025 and 80% by 2030.
7. Pondicherry University shall extend support beyond its boundaries and strengthen the participation of local communities in improving water availability and sanitation management preventing water-borne diseases.
8. Pondicherry University shall establish a government-approved constructed wetland/ wastewater treatment plant to treat campus wastewater and water reclamation, with a goal to treat 50% by 2023 and 100% by 2025.
9. Pondicherry University shall install water purifiers at strategic locations, and provide free drinking water for its students, staff, contract workers, and visitors, and educate them on water saving.
10. Pondicherry University shall following the Ministry's mandate and guidelines implement an integrated water resources management for the use of reclaimed water for construction, agricultural purposes, landscape irrigation, toilet flushing, and finally recharging borewells by complying with the Government of India or international standards.
11. Pondicherry University shall ensure that the application of reclaimed water should be fit-for-purpose: general uses, agriculture/ horticultural uses, and environmental uses and should not have a 'toxic effect on soil, water, and ocean, thereby harming or damaging the existing ecosystems and associated flora and fauna'.
12. Pondicherry University shall in collaboration with government departments and non-governmental organizations provide awareness, capacity building, and conduct educational workshops to the local communities to teach more about good water management, climate issues, and judicial use and to implement projects to protect and restore water-related ecosystems through community participation, in addition to lake adoption and wetland Mitras programs.





Contributors

Dr. K. Srinivasamoorthy

Professor
Department of Earth Sciences
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-k-srinivasamoorthy/

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-6: Clean Water and Sanitation”, Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-6-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-6-V2.0-23
1st Version: NLGCIAP-APSCC*-PU-March-2018
2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 7: Affordable and Clean Energy”



Pondicherry University Goal-Specific Policy for “SDG 7: Affordable and Clean Energy”.
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, 2023..



Policy Heading

Pondicherry University Goal-Specific Policy for “SDG 7: Affordable and Clean Energy”.

Introduction

Pondicherry University, established in 1985, functions as a Central University encompassing the jurisdiction of the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its primary goals include advancing knowledge through academic instruction and research, providing a spectrum of courses in Humanities, Sciences, and Engineering, and fostering interdisciplinary studies and research. Situated in Kalapet, the main campus of the University covers an expanse of 780 acres, complemented by satellite campuses in Karaikal, Mahe, and Port Blair. Collaborative agreements, in the form of MOUs, have been established with various global institutions, industries, and non-governmental research organizations to encourage cooperation and faculty enrichment.

The pursuit of dependable and affordable energy is imperative to realize sustainable progress. SDG 7 is dedicated to achieving universal access to economical, reliable, sustainable, and contemporary energy for all. This endeavor is not solely vital for environmental preservation, but also pivotal in propelling economic advancement and alleviating poverty. Energy accessibility amplifies productivity, generates employment, and facilitates fundamental services like healthcare and education. Pondicherry University comprehends these imperatives and is resolute in promoting sustainable energy practices within its premises and extending this ethos beyond its confines.

Pondicherry University acknowledges the significance of SDG 7 and pledges to uphold it through a variety of strategies. The institution endeavors to diminish its carbon footprint while augmenting its utilization of renewable energy sources like solar, and biomass. Additionally, Pondicherry University encourages its students and faculty to adopt eco-friendly energy practices, encompassing the use of energy-efficient appliances, waste reduction, and endorsing public transportation. By prioritizing the integration of SDG 7, Pondicherry University contributes substantively to the global campaign addressing climate change and fostering sustainable advancement.

Policy Statement

Pondicherry University is dedicated to implementing comprehensive actions that bolster students and communities in achieving Affordable and Clean Energy across all aspects of life, both within and beyond the campus, aligned with the objectives of the sustainable development goal.

Target

The university will actively engage with its student body and communities through its central campus, auxiliary campuses, and associated institutions, fostering a fair and collaborative alliance with government entities, pertinent stakeholders, and collaborative task forces.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold **SDG 7: Affordable and Clean Energy** to substantially increase the share of renewable energy in the university energy mix and pledge toward achieving 80% renewable energy by 2030 while adhering to the government guidelines/policies.
2. Pondicherry University shall ensure that the renovations and new upcoming buildings are following national energy efficiency standards, while on the other hand upgrading existing buildings to higher energy efficiency.
3. Pondicherry University shall have an energy efficiency plan to reduce overall energy consumption and to double the improvement in energy efficiency by 2030, in addition to LEED/ GRIHA/ other deemed certifications.
4. Pondicherry University shall enhance international cooperation to facilitate access to research, technology, and investments in clean and green energy and energy efficiency.
5. Pondicherry University shall collaborate with a non-government research organization to implement a business model integrated bio-methanation plant with slurry management and application addressing the triple planetary crisis: climate change, loss of biodiversity, and waste and pollution before 2024.





6. Pondicherry University shall march toward a carbon-neutral campus by conducting a periodical energy audit, to measure direct and indirect carbon emissions of various activities that happen on the campus and maximize renewable energy use while minimizing conventional energy use and identify and arrest energy wastage across all sectors.
7. Pondicherry University shall encourage investments from carbon-intensive energy industries to curb greenhouse gas emissions in line with the Kyoto Protocol and Paris Agreement.
8. Pondicherry University shall have a dedicated monitoring, recording, and disseminating system to measure energy use density from both energy generated by the university and energy purchased by the university.
9. Pondicherry University shall increase its advocacy by providing programs for local schools, colleges, and communities to teach and learn about the importance of energy conservation, efficiency, generation, and energy sustainability.
10. Pondicherry University shall extend its service directly to the government departments, industries, and organizations aimed at improving energy efficiency and generating clean energy, in addition, also conduct energy efficiency assessments, workshops, and research on renewable energy options.
11. Pondicherry University shall inform and support the government in clean and green energy generation, adopting energy-efficient technologies, and policy development.
12. Pondicherry University shall provide training and assistance for start-ups that foster and support a low-carbon or net zero economy/ technology.





Contributors

Dr. R. Arun Prasath

Professor

Department of Green Energy Technology

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-arun-prasath/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-7: Affordable and Clean Energy”, Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-7-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-7-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 8: Decent Work & Economic Growth”



Pondicherry University Goal-Specific Policy for “SDG 8: Decent Work and Economic Growth”.
Internal Quality Assurance Cell & Office of Green Campus©, Pondicherry University, 2023.



Policy Heading Pondicherry University Goal-Specific Policy for “SDG 8: Decent Work and Economic Growth”.

Introduction Established in 1985, Pondicherry University stands as a Central University with its jurisdiction spanning across the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its core objectives encompass the advancement of knowledge through both teaching and research, offering diverse courses in the domains of Humanities, Sciences, and Engineering, as well as actively fostering interdisciplinary studies and research. The primary campus, situated in Kalapet and sprawling over an expanse of 780 acres, is complemented by satellite campuses in Karaikal, Mahe, and Port Blair. The University has solidified collaborative partnerships through MOU with various international institutions, industries, and research NGOs, thus enriching avenues for collaboration and faculty development.

Pondicherry University places profound significance on SDG 8: Decent Work and Economic Growth, as it aspires to ensure comprehensive and sustainable economic growth, full and productive employment, and dignified work opportunities for all. Recognizing that a robust and expanding economy is pivotal for poverty alleviation, societal integration, and the realization of fundamental human rights, the University acknowledges that dignified work not only underpins individual well-being but also holds a pivotal role in the pursuit of sustainable development.

With unwavering dedication, Pondicherry University takes proactive steps to uphold SDG 8, manifesting in various initiatives. These encompass the promotion of entrepreneurship, the provision of support for skill enhancement, the cultivation of innovation and research endeavors, and the facilitation of job prospects for marginalized and vulnerable populations. The University underscores the importance of reinforcing labor rights, ensuring secure and safe working environments, and establishing parity in opportunities and equitable treatment for all personnel. Furthermore, the University recognizes the intrinsic value of all-encompassing economic growth, particularly directed at uplifting marginalized and vulnerable segments of society. It firmly espouses the conviction that embracing SDG 8 will not only steer economic advancement and job generation but will also significantly contribute to sustainable development and the reduction of poverty.

Policy Statement Pondicherry University is resolutely dedicated to implementing comprehensive measures to bolster students and communities in their pursuit of Decent Work and Economic Growth, spanning all aspects of life both within and beyond the campus, seamlessly aligned with the targets of this goal.

Target The university will actively engage with its student body and communities through its central campus, auxiliary campuses, and associated institutions, fostering an equitable partnership with government departments, pertinent stakeholders, and collaborative task forces that are steadfastly working towards the realization of the SDG across all strata of society.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 8: Decent Work and Economic Growth to promote sustained, inclusive, full, and productive employment opportunities, fulfilling jobs, and decent work for all while not harming the environment in accordance with the ordinances of the university.
2. Pondicherry University shall educate and encourage the students for development-oriented job creation that supports productive activities, a decent job, entrepreneurship, creativity and innovation, and formalization of micro-small-medium enterprises through incubation and collaborations.
3. Pondicherry University shall not discriminate based on race, color, religion, caste, creed, gender, gender expression, age, ancestry, disability, marital status, sexual orientation, or others, in any of its activities or operations considering decent work for all while recognizing freedom of associations.
4. Pondicherry University shall be committed against forced labor, slavery, and human trafficking, and not employ below 18 years of age while guaranteeing equivalent rights to workers when outsourced through third parties.





5. Pondicherry University shall pay all staff and faculty as per the government norms and have a process for employees to bargain and/or appeal for employee rights and/or pay for all, including women.
6. Pondicherry University shall provide ⁶⁹ safe and secure working environments for all workers, including migrants, and those in precarious employment.
7. Pondicherry University shall work in tandem with the national and regional governments and reputed non-government organizations in promoting local culture, heritage, and traditional products for sustainable tourism that creates more green jobs and livelihood opportunities.
8. Pondicherry University shall provide ¹⁰⁸ full and productive employment and decent work for all, including young and persons with disabilities with pay scale equity for work of equal value while measuring and eliminating gender pay gaps.
9. Pondicherry University shall substantially promote and increase youth employment, sustainability education, training, and capacity building through various government schemes and collaborations.
10. Pondicherry University shall in collaboration with various stakeholders catalyze decent work opportunities for all, and ease the social impact of the global crisis on employment and accelerate recovery in employment, implement the 'Global Jobs Pact' by developing and operationalizing strategies for youth employment importantly for females through placement cell and entrepreneurship through incubation center.
11. Pondicherry University shall promote outreach activities related to decent work and economic growth in schools, colleges, and local communities by conducting job fairs, and green business ideas platforms, in collaboration with various relevant actors and catalysts at all levels both national and international.





Contributors

Dr. R. Sendhil

Professor

Department of Economics

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/sendhil-r/

Dr. M.S. Nanda Kishor

Nodal Officer

THE Impact Rankings

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator

Internal Quality Assurance Cell

Pondicherry University

https://www.pondiuni.edu.in/faculty_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator

Office of Green Campus

Climate Change, Environment, and Sustainability

Policy, Protocol, and SOP

Pondicherry University

<https://www.pondiuni.edu.in/departments/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for “SDG-8: Decent Work and Economic Growth”, Version 2.0 – 2023.

Abbreviation

PU-IQAC&OGC-SDG-8-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-8-V2.0-23

1st Version: NLGCIAP-APSCC*-PU-March-2018

2nd Revised Version: IQAC&OGC-PU-April-2023





Pondicherry University

R. Venkataraman Nagar

Kalapet

Puducherry – 605014

INDIA

www.pondiuni.edu.in

Pondicherry University Goal-Specific Policy for “SDG 9: Industry, Innovation, and Infrastructure”



**Policy Heading**

Pondicherry University Goal-Specific Policy for “SDG 9: Industry Innovation and Infrastructure”.

Introduction

Established in 1985, Pondicherry University stands as a Central University, wielding jurisdiction over the Union Territory of Puducherry, Lakshadweep, and Andaman and Nicobar Islands. Its core objectives are rooted in the advancement of knowledge through pedagogy and research, offering an eclectic array of courses spanning Humanities, Sciences, and Engineering, while fervently advocating for interdisciplinary studies and research. The sprawling main campus, nestled in Kalapet and spanning over 780 acres, is complemented by satellite campuses in Karaikal, Mahe, and Port Blair. The University has solidified collaborative partnerships through Memorandums of Understanding with various international institutions, industries, and research-based non-governmental organizations, thus amplifying the avenues for collaboration and faculty development.

Pondicherry University acknowledges the pivotal significance of SDG 9: Industry, Innovation, and Infrastructure, which serves as a cornerstone in forging a sustainable and all-encompassing society. By channeling resources into research and development, nurturing an environment of innovation, and propelling the growth of infrastructure, Pondicherry University strides forth to make substantial contributions toward the realization of this goal.

The university's pursuit will ardently focus on propelling inclusive and sustainable industrialization, coupled with the resilient evolution of infrastructure. A collaborative stance with cottage, tiny, micro, and small-scale industries, in conjunction with governmental partners, is pivotal to inspiring the uptake of sustainable technologies and the incubation of ingenious solutions to critical ecological and societal challenges. Moreover, the university will prioritize the education and training of both its students and faculty in these domains, ensuring their equipped empowerment with the requisite knowledge and competencies essential for catalyzing sustainable and all-encompassing growth.

Policy Statement

Pondicherry University is strongly committed to implementing extensive measures to support students and communities in their endeavors related to industry, innovation, and infrastructure encompassing all aspects of life, both on and off campus, and in alignment with the targets of the goal.

Target

The university will proactively engage with its student body and communities through its central campus, satellite campuses, and affiliated institutions. This engagement will unfold through equitable and collaborative partnerships with government departments, pertinent stakeholders, and collaborative task forces, collectively working toward the advancement of Industry, Innovation, and Infrastructure for the greater good.





SUSTAINABLE DEVELOPMENT GOALS



Policy

1. Pondicherry University shall uphold SDG 9: Industry, Innovation, and Infrastructure to incorporate a functioning and climate-resilient infrastructure which is the foundation of every successful campus and community to meet future challenges, and in addition, adopt innovative sustainable technologies to bring prosperity and create green jobs.
2. Pondicherry University shall through research, innovation, and transfer of technologies, significantly raise the industry's share of employment and gross domestic product, in line with national circumstances, to make sure that we build stable and prosperous societies.
3. Pondicherry University shall through the IPR cell and Incubation Center of the university measure the university spin-offs originating from the concerned departments and the registered companies' set-up respectively.
4. Pondicherry University shall increase research income from the industry and commercial bodies under the thematic areas: STEM, Medicine, Arts, Humanities & Social Sciences for on-campus sustainability and outreach.
5. Pondicherry University shall periodically review the employees and academic staff under the thematic areas: STEM, Medicine, Arts, Humanities & Social Sciences.





6. Pondicherry University shall through the Incubation Center and collaboration, increase the access of cottage industry to small-scale industrial units and other enterprises, to the available financial services, including affordable credit, and their integration into value chains and markets.
7. Pondicherry University shall enhance scientific research and innovation to upgrade the technological capabilities of industrial sectors to increase resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, in accordance with their respective capabilities.
8. Pondicherry University shall encourage the alumni and other industrialists and capitalists to facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological, and technical support.
9. Pondicherry University shall in collaboration with the Khadi and Village Industries Commission/ Boards, concerned Ministry, and reputed non-government organizations establish International Centers in Association with the respective Universities, to catalyze and sustain the village and cottage industries sector, artisans' livelihood, and their eco-friendly products under Soft, Hard, and Thematic Interventions.





Contributors

Dr. B. Charumathi

Professor
Department of Management Studies
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-b-charumathi/

Dr. M.S. Nanda Kishor

Nodal Officer
THE Impact Rankings
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-nanda-kishor/

Dr. R. Vishnu Vardhan

Deputy Coordinator
Internal Quality Assurance Cell
Pondicherry University
https://www.pondiuni.edu.in/faculy_profiles/dr-r-vishnu-varadhan/

Dr. M. Nandhivarman*

Coordinator
Office of Green Campus
Climate Change, Environment, and Sustainability
Policy, Protocol, and SOP
Pondicherry University
<https://www.pondiuni.edu.in/department/green-campus/>

Citation

Pondicherry University Internal Quality Assurance Cell & Office of Green Campus, Goal-Specific Policy for
“SDG-9: Industry, Innovation, and Infrastructure”, Version 2.0 - 2023

Abbreviation

PU-IQAC&OGC-SDG-9-V2.0-23

Policy Number

PU-IQAC&OGC-SDG-9-V2.0-23
1st Version: NLGCIAP-APSCC*-PU-March-2018
2nd Revised Version: IQAC&OGC-PU-April-2023



SDG's Policies and Sub Policies, Pondicherry University

ORIGINALITY REPORT

9%

SIMILARITY INDEX

4%

INTERNET SOURCES

6%

PUBLICATIONS

4%

STUDENT PAPERS

PRIMARY SOURCES

1

Submitted to Queensland University of Technology

Student Paper

<1 %

2

Submitted to Azim Premji University

Student Paper

<1 %

3

R. Madhura. "Chapter 31 A Study on Plastic Waste Management by Stakeholders Using Reverse Logistics", Springer Science and Business Media LLC, 2020

Publication

<1 %

4

Mohammed Laeequddin, Waheed Kareem Abdul, Vinita Sahay, Aviral Kumar Tiwari. "Factors That Influence the Safe Disposal Behavior of E-Waste by Electronics Consumers", Sustainability, 2022

Publication

<1 %

5

www.apscglobal.org

Internet Source

<1 %

6

Submitted to Instituto de Empress S.L.

Student Paper

<1 %

7	cuo.ac.in Internet Source	<1 %
8	backup.pondiuni.edu.in Internet Source	<1 %
9	Submitted to University of Leeds Student Paper	<1 %
10	Josie Wittmer. "'I salute them for their hardwork and contribution": inclusive urbanism and organizing women recyclers in Ahmedabad, India", Urban Geography, 2023 Publication	<1 %
11	"Microplastics", Springer Science and Business Media LLC, 2024 Publication	<1 %
12	pib.gov.in Internet Source	<1 %
13	Yasuhiko Hotta, Chettiyapan Visvanathan, Michikazu Kojima, Agamuthu Pariatamby. "Developing 3R policy indicators for Asia and the Pacific region: experience from Regional 3R Forum in Asia and the Pacific", Journal of Material Cycles and Waste Management, 2015 Publication	<1 %
14	documents1.worldbank.org Internet Source	<1 %

- 15 Jeffrey V Lazarus, Henry E Mark, Massimo Colombo, Sandro Demaio et al. "A Sustainable Development Goal framework to guide multisectoral action on NAFLD through a societal approach", Cold Spring Harbor Laboratory, 2021
Publication <1 %
-
- 16 Submitted to Nottingham Trent University
Student Paper <1 %
-
- 17 researchehs.stage.drupal.uiowa.edu
Internet Source <1 %
-
- 18 Ram Naresh Bharagava. "Recent Advances in Environmental Management", CRC Press, 2018
Publication <1 %
-
- 19 Fatihah Suja, Rakmi Abdul Rahman, Arij Yusof, Mohd Shahbudin Masdar. "e-Waste Management Scenarios in Malaysia", Journal of Waste Management, 2014
Publication <1 %
-
- 20 brandequity.economictimes.indiatimes.com
Internet Source <1 %
-
- 21 shared.uoit.ca
Internet Source <1 %
-
- 22 Submitted to Submitted on 1690175064576
Student Paper <1 %
-

23

www.unsw.edu.au

Internet Source

<1 %

24

Submitted to Hindustan College of Science & Technology

Student Paper

<1 %

25

Irati Otamendi-Irizar, Olatz Grijalba, Alba Arias, Claudia Pennese, Rufino Hernández.
"How can local energy communities promote sustainable development in European cities?",
Energy Research & Social Science, 2022

Publication

<1 %

26

Submitted to University of Western Australia

Student Paper

<1 %

27

www.cholarisk.com

Internet Source

<1 %

28

Submitted to Symbiosis International School

Student Paper

<1 %

29

Submitted to University of Witwatersrand

Student Paper

<1 %

30

Stefania Paladini, Suresh George.
"Sustainable Economy and Emerging Markets", Routledge, 2019

Publication

<1 %

31

Sweta Shah. "Early Childhood Development in Humanitarian Crises - South Sudanese Refugees in Uganda", Routledge, 2019

<1 %

32

Arun Singh, Hari S Joshi, Rashmi Katyal, Rashmi Singh, Himalaya Singh. "Biomedical Waste Management Rules, 2016: A Brief Review", International Journal of Advanced and Integrated Medical Sciences, 2017

Publication

<1 %

33

Mar Campins Eritja, Xavier Fernández-Pons. "Deploying the European Green Deal - Protecting the Environment Beyond the EU Borders", Routledge, 2024

Publication

<1 %

34

ceeindia.org

Internet Source

<1 %

35

www.news.in

Internet Source

<1 %

36

Submitted to Coventry University

Student Paper

<1 %

37

Elhadi M. Yahia. "Preventing food losses and waste to achieve food security and sustainability", Burleigh Dodds Science Publishing, 2020

Publication

<1 %

38

Submitted to Manipal University

Student Paper

<1 %

39

Srinath Satyanarayana, Pruthu Thekkur, Ajay M. V. Kumar, Yan Lin et al. "An Opportunity to END TB: Using the Sustainable Development Goals for Action on Socio-Economic Determinants of TB in High Burden Countries in WHO South-East Asia and the Western Pacific Regions", Tropical Medicine and Infectious Disease, 2020

Publication

<1 %

40

Suchismita Satapathy, Debesh Mishra, Prasenjit Chatterjee. "Multi-Criteria Decision-Making Techniques in Waste Management - A Case Study of India", CRC Press, 2021

Publication

<1 %

41

esgdistrict.lecho.be

Internet Source

<1 %

42

Atun Roy Choudhury, Sankar Ganesh Palani. "Material and Energy Recovery from Solid Waste for a Circular Economy", CRC Press, 2024

Publication

<1 %

43

Dipti Gupta, Satya Dash. "Challenges of implementing extended producer responsibility for plastic-waste management: lessons from India", Social Responsibility Journal, 2023

Publication

<1 %

44 Arran Stibbe. "Ecolinguistics - Language, Ecology and the Stories We Live By", Routledge, 2020
Publication <1 %

45 Daniel Schugurensky, Charl Wolhuter. "Global Citizenship Education and Teacher Education - Theoretical and Practical Issues", Routledge, 2020
Publication <1 %

46 sunwayuniversity.edu.my
Internet Source <1 %

47 "Chapter 300207 Sustainable Industry", Springer Science and Business Media LLC, 2021
Publication <1 %

48 Guler Aras, Ozlem Kutlu Furtuna, Evrim Hacioglu Kazak. "SDG Impact Index with Double Materiality Perspective: Evidence from OECD Commercial Bank Industry", Social Indicators Research, 2024
Publication <1 %

49 M. Balasubramanian. "Municipal solid waste management in India: status, problems and challenges", International Journal of Environment and Waste Management, 2018
Publication <1 %

50 aegeancollege.gr

<1 %

51

Submitted to Far Eastern University

Student Paper

<1 %

52

Submitted to Uttarakhand University,
Dehradun

Student Paper

<1 %

53

www.amity.edu

Internet Source

<1 %

54

Mervyn Richardson. "Risk reduction -
Chemicals and energy into the 21st Century",
CRC Press, 2019

Publication

<1 %

55

Bhawana Sharma, Pankaj Mehta, Preeti
Verma. "A Study on Physical Characterization
of Municipal Solid Waste of Jammu City on
the basis of Socioeconomic Status of the
Population", Current World Environment,
2024

Publication

<1 %

56

Edwin, Golda A., Dwipen Boruah, G.
Poyyamoli, M. Nandhivarman, and
Ramaswamy Arun Prasath. "Constructed
Wetlands for the Treatment of Grey Water in
Campus Premises", World Sustainability
Series, 2015.

Publication

<1 %

57	Giorgos Meramveliotakis, Manolis Manioudis. "Sustainable Economic Development - Perspectives from Political Economy and Economics Pluralism", Routledge, 2024 Publication	<1 %
58	Donald L. Sparks. "The Blue Economy in Sub-Saharan Africa - Working for a Sustainable Future", Routledge, 2021 Publication	<1 %
59	Kent Buse, Sarah Hawkes. "Health in the sustainable development goals: ready for a paradigm shift?", Globalization and Health, 2015 Publication	<1 %
60	Rohini Chhatrapati Kale, Mayur Shirish Jain. "A review study on plastic waste management: An Indian perspective", Elsevier BV, 2024 Publication	<1 %
61	Sanjay Kumar. "Chapter 4 National Context for Sustainable Public Procurement Policy in India", Springer Science and Business Media LLC, 2022 Publication	<1 %
62	www.ibef.org Internet Source	<1 %
63	Submitted to University of Durham Student Paper	<1 %

64

www.klp.no

Internet Source

<1 %

65

Garima Saini, Vikas Budhwar, Manjusha Choudhary. "A Review Study to Investigate the Tracking of Biomedical Waste during Covid-19 Pandemic in India", Environmental Claims Journal, 2022

Publication

<1 %

66

Hans Günter Brauch, Úrsula Oswald Spring. "Chapter 1 Sustainability Transition and Sustainable Peace: Scientific and Policy Context, Scientific Concepts and Dimensions", Springer Science and Business Media LLC, 2016

Publication

<1 %

67

www.breakingbelizenews.com

Internet Source

<1 %

68

"Recent Developments in Waste Management", Springer Science and Business Media LLC, 2020

Publication

<1 %

69

ISST, Ranjani K.Murthy. "Monitoring, Evaluating & Furthering Progress on "Gender and Economic Equality & Women's Economic Empowerment'", SocArXiv, 2022

Publication

<1 %

70	Sumita Ghosh. "Water Management Practices in Master-Planned Developments and Eco-Neighborhoods", Elsevier BV, 2023 Publication	<1 %
71	uir.unisa.ac.za Internet Source	<1 %
72	Daniel A. Wagner. "Learning as Development - Rethinking International Education in a Changing World", Routledge, 2017 Publication	<1 %
73	www.statistik.at Internet Source	<1 %
74	Anwasha Borthakur, Madhav Govind. "How well are we managing E-waste in India: evidences from the city of Bangalore", Energy, Ecology and Environment, 2017 Publication	<1 %
75	Submitted to Christ University Student Paper	<1 %
76	Nidhi Saini, Rajiv Ahluwalia, Kunal Sharma, Ankit. "How to Dispose Biomedical Waste In Orthodontic Practice: A Review", Journal of Contemporary Orthodontics, 2023 Publication	<1 %
77	Submitted to North West University Student Paper	<1 %

78 Praveen Kumar Tiwari, Surendra Kumar Pandey, Rohit Kushwaha, Sonam et al. "Chapter 42 A Critical Appraisal of Biomedical Waste Management in Uttar Pradesh", Springer Science and Business Media LLC, 2022
Publication <1 %

79 www.unep.org
Internet Source <1 %

80 Submitted to Colorado State University, Global Campus
Student Paper <1 %

81 www.biotechnika.org
Internet Source <1 %

82 "Smart Environment for Smart Cities", Springer Science and Business Media LLC, 2020
Publication <1 %

83 Pedro Gerber Machado, Dominique Mouette, Régis Rathmann, Edmilson dos Santos, Drielli Peyerl. "Chapter 36 Is Energy Planning Moving Towards Sustainable Development? A Review of Energy Systems Modeling and Their Focus on Sustainability", Springer Science and Business Media LLC, 2020
Publication <1 %

84

Internet Source

<1 %

85

Kathleen Kevany, Paolo Prosperi. "Routledge Handbook of Sustainable Diets", Routledge, 2022

Publication

<1 %

86

Nasib Singh, Achhada Ujalkaur Avatsingh, Shilippreet Kour, Shilpa Sharma. "Chapter 9 Utilization of biomedical waste as construction substitute", Walter de Gruyter GmbH, 2024

Publication

<1 %

87

Sunil Kumar. "Municipal Solid Waste Management in Developing Countries", CRC Press, 2019

Publication

<1 %

88

www.ncbi.nlm.nih.gov

Internet Source

<1 %

89

Submitted to Ain Shams University

Student Paper

<1 %

90

Submitted to Savitribai Phule Pune University

Student Paper

<1 %

91

Thulasi Kumar Marella, Samarjit Kachari. "EXPLORING AN ANTI-HERO NARRATIVE: A CASE STUDY OF ARDHARAATHRI

<1 %

SWAATHANTHRYAM", ShodhKosh: Journal of Visual and Performing Arts, 2024

Publication

92

www.timesnownews.com

Internet Source

<1 %

93

Jonathan S. Lim, Gonzalo Linares Matas, Rachel Smith, Sean Gleason, Lynn Marie Church. "Cloud-based geospatial services for building capacity and safeguarding heritage in climatically marginal landscapes", Qeios Ltd, 2023

Publication

<1 %

94

Vladan Ivetić. "Chapter 91 Planted Forests: Characterization and Sustainable Management", Springer Science and Business Media LLC, 2021

Publication

<1 %

95

digitallibrary.un.org

Internet Source

<1 %

96

Barbara Norman. "Urban Planning for Climate Change", Routledge, 2022

Publication

<1 %

97

Mann, Jim, Truswell, Stewart, Hodson, Leanne. "Essentials of Human Nutrition 6e", Essentials of Human Nutrition 6e, 2023

Publication

<1 %

98

Sylvia Szabo, Fabrice G. Renaud, Md Sarwar Hossain, Zita Sebesvári, Zoe Matthews, Efi Foufoula-Georgiou, Robert J. Nicholls.

"Sustainable Development Goals Offer New Opportunities for Tropical Delta Regions", Environment: Science and Policy for Sustainable Development, 2015

Publication

<1 %

99

sciendo.com

Internet Source

<1 %

100

www.sprep.org

Internet Source

<1 %

101

Hutchinson, Emma, Kovats, Sari. "EBOOK: Environment, Health and Sustainable Development", EBOOK: Environment, Health and Sustainable Development, 2017

Publication

<1 %

102

Submitted to University of Wollongong

Student Paper

<1 %

103

Ahmed K. Nassar. "Chapter 114-1 Energy Transition in West Africa as a Pathway to Sustainable Development", Springer Science and Business Media LLC, 2023

Publication

<1 %

104

Kandasamy Palanivelu, Sathyanarayanan Sri Shalini. "4 Sustainable circular economy in the

<1 %

Indian context: policies and best practices", Walter de Gruyter GmbH, 2024

Publication

-
- | | | |
|------------|--|----------------|
| 105 | Submitted to Kozep-europai Egyetem
Student Paper | <1 % |
|------------|--|----------------|
-
- | | | |
|------------|--|----------------|
| 106 | Kumanan Rasanathan, Nazneen Damji, Tesmerelna Atsbeha, Marie-Noel Brune Drisse et al. "Ensuring multisectoral action on the determinants of reproductive, maternal, newborn, child, and adolescent health in the post-2015 era", BMJ, 2015
Publication | <1 % |
|------------|--|----------------|
-
- | | | |
|------------|---------------------------------------|----------------|
| 107 | ehs.unc.edu
Internet Source | <1 % |
|------------|---------------------------------------|----------------|
-
- | | | |
|------------|---|----------------|
| 108 | Goodhart, Michael. "Human Rights: Politics and Practice", Human Rights: Politics and Practice, 2016
Publication | <1 % |
|------------|---|----------------|
-
- | | | |
|------------|---|----------------|
| 109 | Submitted to Hogeschool Rotterdam
Student Paper | <1 % |
|------------|---|----------------|
-
- | | | |
|------------|--|----------------|
| 110 | Mercy S. Samuel, Asad Warsi. "Transforming Waste Management - Challenges and Success of an Indian City", Routledge, 2024
Publication | <1 % |
|------------|--|----------------|
-
- | | | |
|------------|---|----------------|
| 111 | Sam C. M. Ofori. "Endogenous Regional Policy and Development Planning in Ghana", Routledge, 2020 | <1 % |
|------------|---|----------------|
-

- | | | |
|-----|--|------|
| 112 | Submitted to University of South Africa
Student Paper | <1 % |
| 113 | auroville.org
Internet Source | <1 % |
| 114 | www.scielo.br
Internet Source | <1 % |
| 115 | north-american-studies.openaire.eu
Internet Source | <1 % |
| 116 | smartwatermagazine.com
Internet Source | <1 % |
| 117 | John L. Innes, Anna V. Tikina. "Sustainable Forest Management - From Concept to Practice", Routledge, 2019
Publication | <1 % |
| 118 | Ian Douglas, P M L Anderson, David Goode, Michael C. Houck, David Maddox, Harini Nagendra, Tan Puay Yok. "The Routledge Handbook of Urban Ecology", Routledge, 2020
Publication | <1 % |
| 119 | Virginia Murray. "Disaster Risk Reduction, Health, and the Post-2015 United Nations Landmark Agreements", Disaster Medicine and Public Health Preparedness, 2014
Publication | <1 % |

120 Christian Reynolds, Tammara Soma, Charlotte Spring, Jordon Lazell. "Routledge Handbook of Food Waste", Earthscan, 2020 $<1\%$

121 Muhammad Sajeed Abdul Hameed, Sreya Pacheeri Sreedharan, Purushothaman Sivapragasam, Samarshi Chakraborty et al. "Resource recovery from soiled sanitary napkin waste—a state-of-the-art review", Environmental Science and Pollution Research, 2024 $<1\%$

122 Pathan Anil. "Sphaeromopsis jayaraji sp. nov. (Crustacea: Isopoda), a new species of intertidal Sphaeromatidae from the Andaman Islands, northern Indian Ocean", Nauplius, 2022 $<1\%$

123 shooliniuniversity.com $<1\%$

124 Udaya Sekhar Nagothu. "Agricultural Development and Sustainable Intensification - Technology and Policy Challenges in the Face of Climate Change", Routledge, 2018 $<1\%$

125 globalsnowleopard.org $<1\%$

- 126 Malti Goel. "Chapter 1 Understanding Plastic Pollution", Springer Science and Business Media LLC, 2024
Publication <1 %
-
- 127 Nicola Casarini, Antonio Fiori, Nam-Kook Kim, Jae-Seung Lee, Ramon Pacheco Pardo. "The Routledge Handbook of Europe–Korea Relations", Routledge, 2021
Publication <1 %
-
- 128 sdg.bsu.edu.az
Internet Source <1 %
-
- 129 unibuc.ro
Internet Source <1 %
-
- 130 Hans Verboven, Lise Vanherck. "Sustainability management of SMEs and theUN SustainableDevelopmentGoals", uwf UmweltWirtschaftsForum, 2016
Publication <1 %
-
- 131 Kasturi Kanniah, Le Yu. "Geospatial Technology for Sustainable Oil Palm Industry", CRC Press, 2024
Publication <1 %
-
- 132 Lavanya Sharma, P. K. Garg. "Technological Prospects and Social Applications of Society 5.0", CRC Press, 2023
Publication <1 %
-

- 133 Nagesh Kumar, Joseph George. "Regional Cooperation for Sustainable Food Security in South Asia", Routledge, 2019
Publication <1 %
-
- 134 Adluri Subramanyam Raju. "Human Security in South Asia - Concept, Environment and Development", Routledge, 2019
Publication <1 %
-
- 135 Ahmad Neyazi, Gulalai Faizi, Habibah Afzali, Mozghan Ahmadi, Nosaibah Razaqi, Zahra Frough, Sudip Bhattacharya. "Assessment of knowledge, attitude and practice about the menstruation among secondary school girls in Herat, Afghanistan - A cross sectional study", Research Square Platform LLC, 2021
Publication <1 %
-
- 136 Pierre Mazzega. "Environmental ratification moves", Frontiers in Political Science, 2024
Publication <1 %
-
- 137 beaware-ncr.blogspot.com
Internet Source <1 %
-
- 138 Joystu Dutta, Srijan Goswami, Abhijit Mitra. "Multidimensional Approaches to Impacts of Changing Environment on Human Health", Routledge, 2021
Publication <1 %
-

- 139 Linda Peake. "On feminism and feminist allies in knowledge production in urban geography", Urban Geography, 2015
Publication <1 %
-
- 140 Danny Hunter, Teresa Borelli, Eliot Gee. "Biodiversity, Food and Nutrition - A New Agenda for Sustainable Food Systems", Routledge, 2020
Publication <1 %
-
- 141 Delphine Deryng. "Climate change and agriculture", Burleigh Dodds Science Publishing, 2020
Publication <1 %
-
- 142 Donato Voza, Salvatore Coluccello. "Chapter 132 Transnational Organized Crime and UN Sustainable Development Goals", Springer Science and Business Media LLC, 2021
Publication <1 %
-
- 143 Parul Rishi, Ruchi Mudaliar. "Chapter 29 Unified Sustainability Consciousness Through DISEMBARC Framework—Reverberations of India's Mission LiFE", Springer Science and Business Media LLC, 2024
Publication <1 %
-
- 144 Paul R. Lachapelle, Isabel Gutierrez-Montes, Cornelia Butler Flora. "Community Capacity <1 %

145

R. M. Channaveer, Rajendra Baikady,
Haruhiko Sakaguchi, Cheng Sheng-Li. "Social
Welfare Policies and Programmes in South
Asia", Routledge, 2019

Publication

<1 %

Exclude quotes Off

Exclude matches Off

Exclude bibliography Off