



PONDICHERRY UNIVERSITY

(A Central University)

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PU/Dir(S)/2022-23/

18th August, 2022

The HODs/Centre Heads
The Principal Community College
Pondicherry University.

Sir/Madam,

Sub: PU-Dir(S) – NIRF Criteria - IPR details-reg.

The Published and granted Patent details for the period from 01.01.2018 to 31.12.2021 are enclosed herewith and if any addition/deletions, please write to the undersigned. It is informed that out of 35 patents, only 12 patents were Published/Granted in the name of Pondicherry University during the said period. University has always scored in the range of 0.50-1.00 out of 15 marks in IPR and Patents: Published and Granted, which is very less and do not contribute much to the NIRF ranking.

Hence, I request you to advise each of your department/centre colleagues to apply for more patents in the name of Pondicherry University and envisage the possibility of exploring patents from their Publications. Utmost care has to be taken to file the patent in “Assignee Name” (*Institute Affiliation ie. Pondicherry University at time of Application and not in the name of PI's*), which is the eligibility criteria to score in the NIRF, India Rankings. Kindly instruct the faculty members to take note of it and do the needful from now onwards.

Encl: As Above

Yours faithfully,

(K. THARANIKKARASU)
DIRECTOR-SEI&RR
& COORDINATOR, IQAC

Copy to:

1. The Deans - for giving necessary advice/instructions to the concerned faculty members
2. The D.R., O/o the V.C. – for kind information to the Vice-Chancellor, please.
3. The A.R., O/o the Registrar – for kind information to the Registrar, please.
4. The Coordinator (PFC), IPR Centre - for kind information, please.

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Patent Published/Grated during 01.01.2018-31.12.2021

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number/Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)
1	201941042994	Published	1.PROF. P. ELUMALAI, 2.A. PRASATH, 3.M. ATHIKA, 4.L. ARUNPANDIAN	CARBON ELECTRODE FROM PALM FRUIT FIBERS FOR SUPERCAPACITORS AND LITHIUM-ION BATTERY	PONDICHERRY UNIVERSITY	23-10-19	30-04-21	201941042994	PONDICHERRY UNIVERSITY
2	201941031761	Published	1.PROF. P. ELUMALAI, 2.HIMADRI TANAYA DAS, 3.E.DURAISAMY	SUSTAINABLE DERIVED ELECTRODES FOR HYBRID ENERGY STORAGE DEVICE AND LITHIUM-ION BATTERY, AND FABRICA	1.PONDICHERRY UNIVERSITY, 2.CENTRAL POWER RESEARCH INSTITUTE BANGALORE	06-08-19	12-02-21	201941031761	1.PONDICHERRY UNIVERSITY, 2.CENTRAL POWER RESEARCH INSTITUTE BANGALORE
3	201941031762	Published	1.PROF. P. ELUMALAI, 2.E.DURAISAMY, 3.A. PRASATH, 4.V.SANKAR DEVI	CARBON ELECTRODE FROM SPENT HONEYCOMB FOR AQUEOUS AND NON-AQUEOUS SUPERCAPACITORS AND LITHIUM-ION BA	1.PONDICHERRY UNIVERSITY, 2.CENTRAL POWER RESEARCH INSTITUTE BANGALORE	06-08-19	12-02-21	201941031762	1.PONDICHERRY UNIVERSITY, 2.CENTRAL POWER RESEARCH INSTITUTE BANGALORE
4	201941033432	Published	1.PROF. P. ELUMALAI, 2.E.DURAISAMY, 3.A. PRASATH, 4.ARCHANA SURESH	SNS@CARBON AS ALTERNATE ANODE FOR HIGH CAPACITY LITHIUM-ION BATTERY	PONDICHERRY UNIVERSITY	20-08-19	26-02-21	201941033432	PONDICHERRY UNIVERSITY
5	201941038646	Published	1.PROF. P. ELUMALAI, 2.E.DURAISAMY, 3.A.ARUNAJAIE, 4.V.SANKAR DEVI	CARBON ELECTRODE FROM SPENT WALNUT SHELL FOR AQUEOUS AND NON-AQUEOUS SUPERCAPACITOR AND LITHIUM-ION	PONDICHERRY UNIVERSITY	25-09-19	26-03-21	39/2020	PONDICHERRY UNIVERSITY
6	201911010438	Published	1.Dr.Syed Mohammed Tauseef, 2.TASNEEM ABBASI, 3.TABASSUM ABBASI, 4.SHAHID ABBAS ABBASI	MULTI-COMPARTMENT VERMICOMPOSTING SYSTEM FOR SIMULTANEOUS AND RAPID PROCESSING OF DIFFERENT SUBSTRATES	1.DEPARTMENT OF BIOTECHNOLOGY, 2. PONDICHERRY UNIVERSITY	18-03-19	25-09-20	201911010438	1.DEPARTMENT OF BIOTECHNOLOGY, 2. PONDICHERRY UNIVERSITY
7	4570/CHE/2011	Granted	1.Prof.SHAHID ABBAS ABBASI, 2.TASNEEM ABBASI, 3.JAYARAMAN ANURADHA, 4.SAMI ULLAH GANAIE, 5.SELVARAJ PIRATHIBHA	PROCESS FOR SYNTHESIS OF BIMETALLIC SILVER GOLD NANOPARTICLES FROM WEEDS	PONDICHERRY UNIVERSITY	26-12-11	20-11-20	351559	PONDICHERRY UNIVERSITY

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8	1682/CHE/2013	Granted	1. Dr.Syed Mohammed Tauseef, 2.ABBASI TASNEEM, 3.DHANDAPANI BANUPRIYA, 4. GOLLANPALLI VAISHNAVI, 5.SHAHID ABBAS ABBASI	VERMICOMPOSITING SYSTEM	PONDICHERRY UNIVERSITY	15-04-13	17-05-19	312587	PONDICHERRY UNIVERSITY
9	3911/DEL/2012	Granted	1. Prof.SHAHID ABBAS ABBASI, 2. SELVARAJ GAJALAKSHMI	A NOVEL PROCESS AND APPARATUS FOR ECO-FRIENDLY TREATMENT OF LIGNINOUS AND OTHER HARD-TO-BIODEGRADE BIOWASTE	1.PONDICHERRY UNIVERSITY, 2.DEPARTMENT OF BIOTECHNOLOGY	18-12-12	07-12-19	303781	1.PONDICHERRY UNIVERSITY, 2.DEPARTMENT OF BIOTECHNOLOGY
10	201741012672	Published	1.Prof.Pratab Kumar Shetty H, 2.SUNDAR K., 3.LAKADE ANKITA J.	DETECTION OF ARTIFICIALLY RIPENED FRUITS USING CONJUGATED NANO-METAL COMPOSITES	PONDICHERRY UNIVERSITY	07-04-17	12-10-18	201741012672	PONDICHERRY UNIVERSITY
11	639/DEL/2012	Granted	1.Prof.SHAHID ABBAS ABBASI, 2.GAJALAKSHMI S., 3.ABBASI TASNEEM	DYNAMIC SELF SUSTAINING AND SELF PROPAGATING SYSTEM FOR WASTE WATER TREATMENT AND A METHOD THEREOF	1.DEPARTMENT OF BIOTECHNOLOGY, 2. PONDICHERRY UNIVERSITY	05-03-12	26-10-18	302282	1. DEPARTMENT OF BIOTECHNOLOGY, 2. PONDICHERRY UNIVERSITY
12	1579/CHE/2011	Granted	1.Dr.Tasneem Abbasi, 2. Syed Mohammed Tauseef, 3.Shahid Abbas Abbasi	THE INCLINED PARALLEL STACK CONTINUOUSLY OPERABLE VERMIREACTOR	PONDICHERRY UNIVERSITY	06-05-11	09-11-18	302643	PONDICHERRY UNIVERSITY
13	201941053362 A	Published	DR. PERIYASAMY THILAKAN, T. BALAGANAPATHI, M. PADMINI	PREPARATION OF RUTILE TIO ₂ SOL-GEL	DR. PERIYASAMY THILAKAN	23-12-19	09-10-20	201941053362 A	DR. PERIYASAMY THILAKAN Pondicherry University
14	201941053366	Published	1.DR.P.THILAKAN, 2.B.KANIAMUTHAN, 3.S.VINOTH	PROCESSING OF ZINC OXIDE (ZNO) P-N JUNCTION THERMOELECTRIC DEVICE	P.THILAKAN	23-12-19	09-10-20	201941053366 A	DR. PERIYASAMY THILAKAN

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15	825/CHE/2014	Granted	1.DR. PERIYASAMY THILAKAN, 2.TAMIL SELVAN	PREPARATION OF LUMINESCENT NANOCRYSTALLINE INDIUM TIN OXIDE (ITO)	PERIYASAMY THILAKAN	26-08-16	18-09-20	346964	PERIYASAMY THILAKAN
16	201841032897	Published	1.DR.PERIYASAMY THILAKAN, 2.P.KASIRAJAN, 3.R.RAMADEVI	THERMOELECTRIC LED LIGHTING SYSTEM	PERIYASAMY THILAKAN	01-09-18	06-03-20	201841032897	1.DR.PERIYASAMY THILAKAN, 2.P.KASIRAJAN, 3.R.RAMADEVI
17	824/CHE/2014	Granted	1.Dr.PERIYASAMY THILAKAN, 2.B.S.AKILA, 3.T.BALAGANAPATHI	PREPARATION OF WIDEBAND TIO ₂ , ANTIREFLECTION COATING FOR SILICON SOLAR CELLS	DR.PERIASAMY THILAKAN	20-02-14	02-12-21	383512	DR. PERIYASAMY THILAKAN
18	2020101968	Granted	Dr. S. Ravi	Low Level Instrumentation Layer for Component-Level Diagnosis of Failures in Industrial IoT System	S., Ravi; S., Chidambaranathan; Ainapure, Bharati Sanjay; Bejjam, Jyoshna; B., Kiranmai; R., Geetha and Dixit, Anita	25-08-20	16-09-20	2020101968	Dr. Ravi S Pondicherry University
19	202041030138 A	Published	N. FEDAL CASTRO	OPEN PROFILE BLADES FOR HORIZONTAL AXIS WIND TURBINE	S. SUDALAI, Centre for Pollution Control and Environmental Engineering, School of Engineering and Technology, Pondicherry University, Kalapet, Pondicherry India	15-07-20	07-08-20	202041030138 A	S. SUDALAI Pondicherry University

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20	201741036806	Published	1.Manish Solanki, 2.Dr.Lata Shukla	Method for quantification and identification the cell viability of tissue culture	1.Manish Solanki, 2.Dr.Lata Shukla, 3.PONDICHERY UNIVERSITY	17-10-17	10-11-19	201741036806 A	1.Manish Solanki, 2.Dr.Lata Shukla, 3.PONDICHERY UNIVERSITY
21	201841013034 A	Published	Dr. MYTHILI SABESAN, Dr. MALATHI NARASIMHAN, Dr. A. HANNAH RACHEL VASANTHI,Pondicherry University, Dr. M. RAMESH	A Sensitive and Specific Biomarker of Acute Myocardial Infarction	SRI RAMACHANDRA MEDICAL COLLEGE & RESEARCH INSTITUTE Address of Applicant :No 1. RAMACHANDRA NAGAR, PORUR, CHENNAI, TAMILNADU, INDIA, 600116 Tamil Nadu India	05-04-18	19-04-19	201841013034 A	Dr. A. HANNAH RACHEL VASANTHI,Pondicherry University,
22	201941035015 A	Published	Mr.Rohan Kaushal, Mr. Saleemdurai. M.A, Mr. Gorla Hema Vishal, Ms. Srimathi.C, Mr. Saleemdurai.M.A,)Mr. Robin Ram Mohan Doss, Mr. Jayakumar.S.K.V, Pondicherry University	SELF DRIVING CAR IN SMART ENVIRONMENT	Mr.Rohan Kaushal Address of Applicant :VIT Vellore, Gorbachev Rd, Vellore, India-632014 Tamil Nadu India, Mr. Jayakumar.S.K.V Pondicherry University	30-08-19	18-10-19	201941035015 A	Mr. Jayakumar.S.K.V, Pondicherry University
23	2418/DEL/2014	Granted	Chinnasamy Ramaraj Ramanathan and Nagamalla Someshwar	A process for the preparation of enantiomerically pure isomers of 2,2'-dihydroxy-1,1'-binaphthyl-3,3'-dicarboxylic acid (binol-3,3'-dicarboxylic acid)	CSIR	26/08/2014	11-05-19	324507	Chinnasamy Ramaraj Ramanathan Pondicherry University
24	201841033243	Published	1.RUKKUMANI RAJAGOPALAN, 2.SANKAR PAJANIRADJE	AN ANTICANCER COMPOUND FROM SESBANIA GRANDIFLORA AND A PROCESS THEREOF	1.RUKKUMANI RAJAGOPALAN, 2.SANKAR PAJANIRADJE	05-09-18	14-09-18	201841033243 A	1.RUKKUMANI RAJAGOPALAN, Pondicherry University 2.SANKAR PAJANIRADJE

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25	201841019841	Published	1.DR.M.SIVAGNANA VELMURUGAN, 2.V.ARUL	USE OF ULVAN AS ACTIVATOR OF SHRIMP IMMUNE SYSTEM AGAINST WHITE SPOT SYNDROME VIRUS	1.DR.M.SIVAGNANA VELMURUGAN, 2.V.ARUL	25-08-18	08-06-18	201841019841	1.DR.M.SIVAGNANA VELMURUGAN, 2.V.ARUL
26	PCT/IB2018/051152	Published	MOSTAGHIMI-TEHRANI, Javad PERSHIN, Valerian YUGESWARAN, Subramaniam ALAVI,Pondicherry University , Sina BADIEI, Hamid CHAN, Brian	Argon Recycling System for an Inductively Coupled Plasma Mass Spectrometer	THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO [CA]/[CA] PERKINELMER HEALTH SCIENCES CANADA, INC. [CA]/[CA]	23-02-18	30-08-18	WO/2018/154512	YUGESWARAN, Subramaniam ALAVI,Pondicherry University
27	15/296,131	Granted	Chithralekha Balamurugan (Pondicherry), Meera Sampath (Rochester, NY), Rebecca Taylor (Tyner, KY), Leslie Stone (Lexington, KY)	Method and System for Digitization of Document	Chithralekha Balamurugan (Pondicherry University)	18-10-16	20-11-18	10135999	Chithralekha Balamurugan Pondicherry University
28	15/278,322	Published	Chithralekha Balamurugan, Karan Kumar Budhraj, Preethi Raj Raajaratnam, Shruti Kunde, Madhavi Shankar	METHOD AND SYSTEM FOR PREDICTING SERVICE ASSURANCE FOR TASK PROCESSING	Chithralekha Balamurugan (Pondicherry University)	28-09-16	29-03-18	20180089767	Chithralekha Balamurugan Pondicherry University
29	202141011114	Published	1.Dr.Latha Parthiban, 2.Bahubali M. Akiwate	EFFICIENT IMAGE CRYPTOSYSTEM USING DNA COMPUTING WITH CHAOTIC SEQUENCES	1. Bahubali M. Akiwate, 2 . Latha Parthiban	19-03-21	19-03-21	202141011114	1. Bahubali M. Akiwate, 2 . Latha Parthiban

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30	202141001101	Published	1 . Dr. C. Balakrishnan 2 . Dr. G. Ilankumaran 3 . Mr. M. Angappan 4 . Mr. R. Hemant Kumar 5 . Dr. S. Santhosh Kumar 6 . Ms. A. Sumathi 7 . Dr. M. Nandhini 8 . Mr. A. Thasil Mohamed 9 . Mr.J.Arumai Ruban	INTERNET OF THINGS CONSTITUTED CONSUMER CENTRIC PHARMACEUTICAL COLD-CHAIN MANAGEMENT SYSTEM AND PRESERVATION METHODS THEREOF	1 . Dr. C. Balakrishnan 2 . Dr. G. Ilankumaran 3 . Mr. M. Angappan 4 . Mr. R. Hemant Kumar 5 . Dr. S. Santhosh Kumar 6 . Ms. A. Sumathi 7 . Dr. M. Nandhini 8 . Mr. A. Thasil Mohamed 9 . Mr.J.Arumai Ruban	11-01-21	15-01-21	202141001101	-
31	202041010572	Published	PONDICHERRY UNIVERSITY	NOVEL COMBINATION WITH HORSEGRAM FOR THE MANAGEMENT OF OBESITY	Dr. A. HANNAH RACHEL VASANTHI R. MALARVIZHI , Dept of Biotechnology Pondicherry University	12-03-20	17-09-21	E2/896/2020/CHE	PONDICHERRY UNIVERSITY
32	202141010181	Published	1. Dr. T. P. LATCHOUMI 2 . Dr. A. ARULMURUGAN 3 . Dr. LATHA PARTHIBAN 4 . S. SHIVAPRASAD 5 . AMAR JUKUNTLA 6 . Dr. BALAMURUGAN KARNAN 7 . M. VENKATA PAVAN 8 . SAMA RANJEETH	IMAGE PROCESSING BASED TRACKING AND COUNTING OF VEHICLES USING IOT	1. Dr. T. P. LATCHOUMI 2 . Dr. A. ARULMURUGAN 3 . Dr. LATHA PARTHIBAN 4 . S. SHIVAPRASAD 5 . AMAR JUKUNTLA 6 . Dr. BALAMURUGAN KARNAN 7 . M. VENKATA PAVAN 8 .SAMA RANJEETH	11-03-21	19-03-21	12/2021	-

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33	202041043977	Published	1. Sanjay B. Ankali, 2.Dr.Latha Parthiban	A METHOD TO ACCURATE, ROBUST AND FAST PORTING ANALYZER TO ASSIST IN SOFTWARE FORKING PROCESS	1. Sanjay B. Ankali, 2.Dr.Latha Parthiban	09-10-20	19-02-21	08/2021	-
34	10192180	Granted	Jagadeesh Chandra Bose Rantham Prabhakara, Pallavi Manohar, Chithralekha Balamurugan	Method and System for Crowdsourcing Tasks	CHITHRALEKHA T	05-08-15	29-01-19	-	CONDUENT BUSINESS SERVICES, LLC
35	20191104813	Published	-	A facile method for preparing biodegradable microalgae-chitosan-based bioplastic	KRISHNA KUMAR JAISWAL Centre for Green Energy Technology	2021	-	22/2021	-