

UNIVERSITY GRANTS COMMISSION
Bahadur Shah Zafar Marg
New Delhi – 110002
PONDICHERRY UNIVERSITY
PUDUCHERRY – 605014

ASSESSMENT / EVALUATION REPORT OF UGC-MRP

A. Details of the Project

1.	Title of the Project	Screening for molecular targets of anti-cancer drug using <i>Saccharomyces cerevisiae</i>
2.	Total duration of the project	From 25-03-2013 to 31-03-2017
3.	Project Status	Completed
4.	Subject	Biochemistry
5.	File No., UGC Ref. No. and date	F.No.42-665/2013) (SR) dated 25/03/2013 F.No.42-665/2013) (SR) dated 09/03/2016 F.No.42-665/2013) (SR) dated 26/05/2016
6.	Grant sanctioned	Rs. 11,65,800 /-
7.	Grant received	Rs. 9,70,703/-

B. Evaluation report of the Expert Member

1.	Name of the Principal Investigator	MadhuDyavaiah
2.	Designation	Assistant Professor
3.	Address, Email and Phone No.	Department of Biochemistry and Molecular Biology, Pondicherry University, Pondicherry madhud14@yahoo.co.in , 7708027294
4.	Whether the work is focused on the title of the project?	Yes
5.	Whether original work is done?	Yes
6.	Whether significant contribution is made by the principal investigator	Yes
7.	Whether the proposed work has any relevance to society / scientific community?	Yes
8.	What type of contribution is found in the final report? (theoretical / practical) In case of theoretical contributions, whether real applications are given?	Yes, theoretical. The mechanism of anticancer drug, taxol was investigated using yeast model and found the new targets of this drug. Further this information can be utilized for clinical research.

9.	Whether theoretical/practical contributions or results/findings have been published?	Yes
10.	Whether the results and findings are significant?	Yes
11.	Whether significant publications are made by the principal investigator in peer-reviewed journals?	Yes
12.	No. of publications made by the principal investigator in standard reputed journals.	03 published, 01 communicated (Under revision)
13.	Whether the contributions made by the principal investigator is sufficient?	Yes
14.	Whether the findings of the sanctioned major research project are justifiable?	Yes
15.	Whether the completed project work has met the proposed objectives?	Yes
16.	Give your brief comments on the overall work of the project.	The research report highlights the new molecular targets of the anticancer drug, taxol using yeast model. Yeast gene deletion mutants of antioxidant and DNA damage response pathways were found sensitive to this drug. The results from this project suggest that the cells deficient of these pathway genes in humans would be sensitive to taxol.
17.	Any specific comments?	The output of this research project is of clinical significance in cancer biology.
18.	Indicate your overall assessment of the project: poor / good / excellent	Excellent

Date: 21.01.2021

Place: Mysuru

Name and address of the expert:

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