

UNIVERSITY GRANTS COMMISSION**Bahadur Shah Zafar Marg****New Delhi – 110002****PONDICHERY UNIVERSITY****PUDUCHERRY – 605014****ASSESSMENT / EVALUATION REPORT OF UGC-MRP****A. Details of the Project**

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|----|---------------------------------|---|
| 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


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| 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 , +91-7708027294 |
| 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? | Both types of contributions found in the completed project |
| 9. | Whether theoretical/practical contributions or results/findings have been published? | YES |
| 10. | Whether the results and findings are significant? | Highly Significant |


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|-----|--|---|
| 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? | Within the stipulated duration of the project, the investigator has made sufficient contributions in unravelling the molecular mechanism associated with anticancer, antioxidant and anti-aging potentials of natural compounds using yeast as a eukaryotic model system. |
| 14. | Whether the findings of the sanctioned major research project are justifiable? | YES |
| | Whether the completed project work has met the proposed objectives? | All the proposed objectives successfully executed as this reflected from his research publications of internationally repute |
| 15. | Give your brief comments on the overall work of the project. | <i>Saccharomyces cerevisiae</i> has been used extensively as a model for higher eukaryotes in the study of basic cellular processes. The high degree of conservation in terms of sequence similarity and function has made this organism useful in elucidating biological pathways, both yeast and human. As a part of anticancer drug discovery program, the present project revolves around the evaluation of anticancer/antioxidant and anti-aging potentials of natural compounds and their specific cancer targets. Overall the project executed meticulously using several yeast mutants as models. |
| 16. | Any specific comments? | The investigator is advised to float for a project to other funding agencies for the extended work of this completed project. Still there is a wider scope and opportunities for the investigator to contribute to the phytochemical research especially in discovery of anticancer compounds using yeast as well as animal cell culture models. |
| 17. | Indicate your overall assessment of the project: poor / good / excellent | Excellent |


Date: 21-01-2021


Place: Shankaraghatta

Name and address of the expert:


Dr. MADHU DYAVAI AH, Ph.D.,
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Dr. G. J. Sathisha, M.Sc., Ph.D.
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 21.01.2021
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DEAN (RESEARCH)
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