

UNIVERSITY GRANTS COMMISSION

BAHADUR SHAH ZAFAR MARG

NEW DELHI - 110 002

**PROFORMA FOR SUBMISSION OF INFORMATION AT THE TIME OF SENDING  
THE FINAL REPORT OF THE WORK DONE ON THE PROJECT**

- 1] Name and address of the principal investigator : Dr. Ramesh. V. Dengle
- 2] Name and address of the institution : Vivekanand College,  
2130, E Ward, Tarabai Park,  
Kolhapur-416003 (MS)
- 3] UGC approval no and date : F. NO.47-333/12 (WRO) dated  
26/02/2013
- 4] Date of implementation : 26/02/2013
- 5] Tenure of the project : 2 years
- 6] Total grant allocated : Rs. 85000/-
- 7] Total grant received : Rs. 62500/-
- 8] Final expenditure : Rs. 87119/-
- 9] Title of the project : **“A Convenient Cost Effective and**

**Environmentally Acceptable Synthetic Protocols for the  
Synthesis of Value Added 1,4-benzothiazines and 1,5-  
benzothiazepines”**

10] Objective of the project:

The prime objective of the project was the Synthesis of different types of Chalcones and their transformation into potentially active 1,5-benzothiazepines by convenient, cost effective synthetic methods. The project aimed towards the environmentally benign synthesis

through the development of a series of novel chalcones for the reactions leading to synthetically important 1,5-benzothiazepines. (The details are listed in Appendix I).

11] Whether objectives were achieved:

Yes

For details Please refer Appendix II

12] Achievements from the project:

Please see Appendix-II

13] Summary of the findings:

Please see Appendix-II

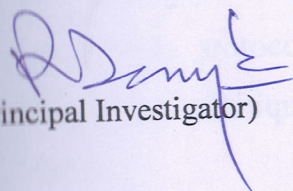
14] Contribution to the society:

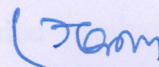
Please see Appendix III

15] Whether any Ph.D. Enrolled /produced Out of the project:

During the tenure of the project, Mr. R. N. Deshmukh was assisting in project work. He has registered for his Ph. D. degree under my guidance at Shivaji University, Kolhapur. His laboratory work is over and he will submit his Ph. D. thesis in very soon.

16] No. of publications out of the project: FOUR (Re-prints attached)

  
(Principal Investigator)

  
(PRINCIPAL)  
**PRINCIPAL**  
Jivekanand College,  
Kolhapur.