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*Department of Special Assistance, University Grants Commission,
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CERTIFICATE

This is to certify that the thesis entitled, "Synthesis and Biological Evaluation of Novel Heterocyclic Compounds for CNS Disorders" submitted for the Ph. D. Degree in Pharmacy by Mr. Navnitkumar K. Prajapati incorporates the original research work carried out by him under our supervision and no part of this work has been previously submitted for any degree.

Guide

Dr. R. C. Mashru

Co-Guide

Prof. M. R. Yadav

DEAN

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CERTIFICATE

This is to certify that the following publications have arisen out of the research work carried out by our Ph.D. student Mr. Navnitkumar K. Prajapati who is submitting his thesis entitled "**Synthesis and Biological Evaluation of Novel Heterocyclic Compounds for CNS Disorders**" to The Maharaja Sayajirao University of Baroda, Vadodara for the award of Ph.D. degree in Pharmacy.

Guide

Dr. R. C. Mashru

Co-Guide

Prof. M. R. Yadav

1. D₃ Antagonist and Antipsychotic Potential of Some Novel Benzazepines. Jatin Machhi, Navnit Prajapati, Ashish M. Kanhed, Kirti Patel, Rajani Giridhar, and Mange Ram Yadav *Journal of Pharmaceutical Sciences and Pharmacology*. **2015**, 2, 1-11.
2. Regioselective alkylation of 1,3,4,5-tetrahydrobenzo[d]azepin-2-one and biological evaluation of the resulting alkylated products as potentially selective 5-HT_{2C} agonists. Navnit Prajapati, Rajani Giridhar, Anshuman Sinha, Ashish M. Kanhed and Mange Ram Yadav *Molecular Diversity*. **2015**, 19(4), 653-667.
3. Synthesis and Biological Evaluation of Novel Multi-target-Directed Benzazepines Against Excitotoxicity. Jatin Machhi, Navnit Prajapati, Ashutosh Tripathi, Zalak S. Parikh, Ashish M. Kanhed, Kirti Patel, Prakash P. Pillai, Rajani Giridhar and Mange Ram Yadav *Molecular Neurobiology*. **2016**, 1-26. doi:10.1007/s12035-016-0184-9