

**Department of Pharmaceutical Engineering & Technology
Indian Institute of Technology
(Banaras Hindu University)
Varanasi-221005**

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It is certified that the work contained in the thesis titled “**Design and Development of Multifunctional Heterocyclic Hybrids for the Treatment of Alzheimer’s Disease**” by **Mr. Avanish Tripathi** has been carried out under my supervision, and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D. Degree.

Date:

Place: IIT (BHU), Varanasi

**Prof. Sushant Kumar Shrivastava
(Supervisor)**

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DECLARATION BY THE CANDIDATE

I, **Avanish Tripathi**, certify that the work embodied in this Ph.D. thesis is my own bonafide work, and carried out by me under the supervision of **Prof. Sushant Kumar Shrivastava** from **July 2014 to March 2020** at the **Department of Pharmaceutical Engineering & Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi**. The matter embodied in this Ph.D. thesis has not been submitted for the award of any other degree/diploma.

I declare that I have faithfully acknowledged and given credit to the research workers wherever their works have been cited in my work in this thesis. I further declare that I have not willfully copied any other's work, paragraphs, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, *etc.*, or available at websites and have not included them in this Ph.D. thesis and have not cited as my own work.

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Avanish Tripathi

CERTIFICATE BY THE SUPERVISOR AND HEAD OF THE DEPARTMENT

It is certified that the above statement made by the student is correct to the best of our knowledge.

Prof. Sushant Kumar Shrivastava
(Supervisor)

(Head of the Department)

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