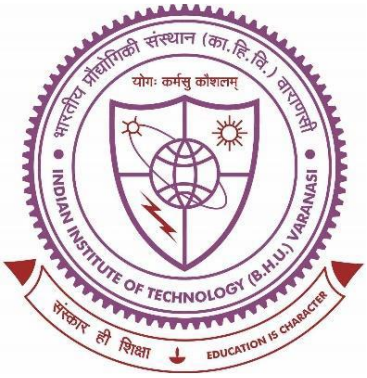
Advancement in Synthesis and Functionalization of Biologically Relevant Heterocyclic Scaffolds



Thesis submitted in partial fulfilment for the

Award of Degree

Doctor of Philosophy

By

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CERTIFICATE

It is certified that the work contained in the thesis titled **"Advancement in Synthesis and Functionalization of Biologically Relevant Heterocyclic Scaffolds"** by **Mr. Indurthi Harish Kumar** 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.

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DECLARATION BY THE CANDIDATE

I, **Indurthi Harish Kumar**, certify that the work embodied in this Ph.D. thesis is my own bonafide work and carried out by me under the supervision of **Dr. Deepak Kumar** from **Jan, 2021 to Aug, 2024** 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 wilfully copied any other's work, paragraphs, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available on websites and have not included them in this Ph.D. thesis and have not cited as my own work.

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CERTIFICATE BY THE SUPERVISOR(S) AND HEAD OF THE DEPARTMENT

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

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