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It is certified that the work contained in the thesis titled “**Preparation, characterization and application of composite based on agro-waste and polymer**” by **Shobhit Dixit** has been carried 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.

Prof. V. L. Yadav

(Supervisor)

Department of Chemical

Engineering & Technology

Indian Institute of Technology

(BHU), Varanasi-221005

DECLARATION BY THE CANDIDATE

I, **Shobhit Dixit**, certify that the work embodied in this Ph.D. thesis is my own bonafide work carried out by me under the supervision of **Prof. Vijay Laxmi Yadav** for a period of 5 years from July 2015 to August 2020 at Department of Chemical Engineering & Technology, Indian Institute of Technology (BHU), Varanasi, India. 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, given credit to and referred to the research workers wherever their works have been cited in the text and the body of the thesis. I further certify that I have not willfully lifted up some other's work, paragraph, text, data, results, etc. reported in the journals, books, magazines, reports, dissertations, theses, etc., or available at web-sites and included them in this Ph. D. thesis and cited as my own work.

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Place: Varanasi

(Shobhit Dixit)

CERTIFICATE FROM THE SUPERVISOR

This is to certify that the above statement made by the candidate is correct to the best of our knowledge.

Prof. V. L. Yadav
(Supervisor)
Department of Chemical
Engineering & Technology
Indian Institute of Technology
(BHU), Varanasi-221005

Head
Department of Chemical Engineering & Technology

Indian Institute of Technology (BHU), Varanasi-221005
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Date:

Varanasi

(Shobhit Dixit)