

*Dedicated to my Parents, Family, Teachers
and
Prof. S. N. Upadhyay*

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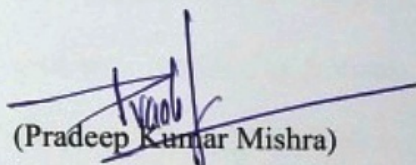
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2018

CERTIFICATE

It is certified that the work contained in the thesis entitled "*Production of Biobutanol from Cyanobacterial Biomass*" by "Ms. Deepika Kushwaha" has been carried out under my supervision and this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive, Candidacy and SOTA.



(Pradeep Kumar Mishra)

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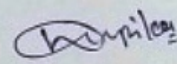
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DECLARATION BY THE CANDIDATE

I "Deepika Kushwaha" certify that the work embodied in this thesis is my own bonafide work and carried out by me under the supervision of "Prof. P. K. Mishra" from "July 2013 to April 2018" at the "Department of Chemical Engineering & Technology" Indian Institute of Technology (BHU), Varanasi. The matter embodied in this thesis has not been submitted for the award of any other degree/diploma. I declare that, I have faithfully acknowledged and given credits to the research workers wherever their works have been cited in this thesis. I further declare that I have not copied others work, results, text, etc., reported in journals, books, dissertations, thesis, etc., or available at websites and have not included them in this thesis and have not cited as my own work.

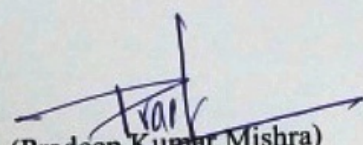
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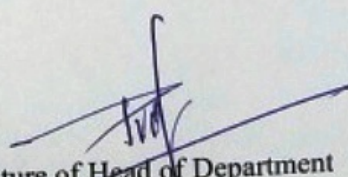
CERTIFICATE BY THE SUPERVISOR

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


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Signature of Head of Department
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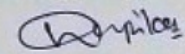
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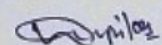
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Date: 29/05/18



(Deepika Kushwaha)