



Foremost, I would like to express my sincere gratitude to my supervisor, Dr. Animesha Behera, Assistant Professor, Department of Biosciences and Biotechnology, Fakir Mohan University, Balasore, Odisha, India. For the continuous support, motivation, enthusiasm and immense knowledge provided to me during the period of research and writing of this thesis. I could not have completed this project without your guidance and supervision.

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P.G. Department of Biosciences and Biotechnology Fakir Mohan University

Phone :- (+91)9437410444  
756020, Odisha

Vyasa Vihar, Balasore -

E-mail - [biotech\\_fm@fmu@gmail.com](mailto:biotech_fm@fmu@gmail.com)

Website - [www.fmuniversity.nic.in](http://www.fmuniversity.nic.in)

I would also like to express my deepest gratitude to my classmates, roommates for immense support and dedication throughout the period of this research project.

### CERTIFICATE

This is to certify that the research work presented in the thesis entitled "**Characterization of fungal strains for the knowledge of plant growth promoting activity in Fungi isolated from the rhizosphere of Betel vine**" submitted to Fakir Mohan University, Balasore in partial fulfillment of the requirements for the award of M.Sc. dissertation work in Biotechnology is a record of original research work done by **Anmisha Behera** during the period of her study in the Department of Biosciences and Biotechnology, Fakir Mohan University under my guidance and supervision.

The results embodied in this thesis have not been submitted to any other university or Institute for the award of any degree or diploma.

  
Signature of the HOD

ANMISHA BEHERA

Date: / /