



TEZPUR UNIVERSITY  
(A central university established by an Act of Parliament in 1994)  
Department of Molecular Biology and Biotechnology  
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**CERTIFICATE OF THE HEAD OF THE DEPARTMENT**

*This is to certify that Ms. Shabiha Nudrat Hazarika , a student of the Department of Molecular Biology and Biotechnology, Tezpur University, Assam has successfully completed the project work, entitled “A Comparative Study of the Plant associated Bacteria and Soil Bacteria” as a part of partial fulfillment of his Master of Science in Molecular Biology and Biotechnology under the supervision of Dr. Suvendra Kumar Ray, Assistant professor, Department of Molecular Biology and Biotechnology, Tezpur University.*

Place: Tezpur

Date:

  
(Dr. (Mrs) S. Baruah)

Head of the Department  
Head,  
Dept. of MBBT, T.U.

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TEZPUR UNIVERSITY  
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### **CERTIFICATE OF THE SUPERVISOR**

*This is to certify that, Ms. Shabiha Nudrat Hazarika, a student of M.Sc. 4th semester of Department of Molecular Biology and Biotechnology has worked on the project entitled “A Comparative Study of the Plant associated Bacteria and Soil Bacteria” under my supervision during the period of January-May 2012. To the best of my knowledge the project embodies account of her own findings and no part of it has been submitted previously anywhere for any degree whatsoever by either her or anyone else.*



*Dr. Suvendra Kumar Ray*

*Place: Tezpur*

*Date: 31-05-2012*

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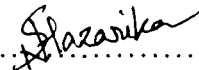
## DECLARATION

*I, the undersigned hereby declare that all the work contained in this thesis is my own original work and that I have not previously in entirety or in part submitted this to any university or institute for the award of any degree or certificate.*

Place: Tezpur

Date: 31. 5. 2012

(Shabiha Nudrat Hazarika)

Signature.....

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## ACKNOWLEDGEMENT

*Firstly, I would like to express my gratitude to my family members for their source of endless encouragement and Support.*

*I express my deep sense of gratitude to Dr. (Mrs.) S. Baruah, Head, Department of Molecular Biology and Biotechnology, Tezpur University, Assam for her help and encouragement to carry out my project work,*

*I am deeply indebted to thank my supervisor Dr. Suvendra Kumar Ray, who relentlessly guided me throughout my work. His inspiring words, continuous assistance and moral support gave me strength to complete my work successfully.*

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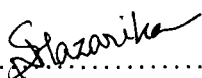
*I would like to thank all the staff members of Department of Molecular Biology and Biotechnology for their support.*

*Finally, I thank my friends Ms. Sangeeta Rani Sinha, Mr. Sachin Sharma, Mr. Praveen Kumar and my other class mates of the Department of Molecular Biology and Biotechnology for providing me their unweaving help and moral support.*

Place: Tezpur

(Shabiha Nudrat Hazarika)

Date: 31. 5. 2012

Signature  .....

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## DEDICATION

*This Project report is dedicated to my father, my late mother, my brothers and my sister. Without their support, faith, patience, encouragement and guidance I would not have the goals and the confidence to reach my dreams. Thanks for teaching me to believe in myself, in Allah and in my dreams....*

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