

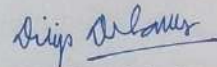
## Certificate

We certify that Mr. Manas Ranjan Saha has prepared the thesis entitled "Medicinal and molecular documentation of some members of Mimosaceae and their microsymbionts", for the award of Ph.D. degree of the University of North Bengal, under our guidance. He has carried out the work at the Department of Botany, University of North Bengal and at the Department of Botany, Raiganj University. The results incorporated in this thesis have not been submitted for any other degree elsewhere.



[Prof. Arnab Sen]  
Supervisor  
Department of Botany  
University of North Bengal  
RajaRammohunpur, Siliguri-734013

Date: 29/05/2017  
Dr. Arnab Sen  
Professor in Botany  
University of North Bengal



[Dr. Dilip De Sarker]  
Co-Supervisor  
Asso-Professor (Retired)  
Raiganj University  
Raiganj -733134

Date: 29/05/2017

**Dr. Dilip De Sarker**  
*Associate Professor (Retd.)*  
Raiganj University  
Raiganj