

**“A study on *in vitro* propagation and comparative analysis of bioactive compounds in some selected wild and tissue-cultured medicinal plants of Bodoland Territorial Region, Assam”**

**A thesis submitted to Bodoland University for the award of the Doctor of Philosophy in the Department of Biotechnology.**



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## DECLARATION

I, Tikendrajit Baro, hereby declare that the Thesis entitled “**A study on *in vitro* propagation and comparative analysis of bioactive compounds in some selected wild and tissue cultured medicinal plants of Bodoland Territorial Region, Assam**” is the result of my own work, carried out at the Department of Biotechnology, Bodoland University under the guidance of Prof. Sandeep Das for the degree of Doctor of Philosophy and I have not submitted it earlier elsewhere for any other degree of any other University. Due acknowledgements have been made for the assistance and help taken during my work.

Date:10/12/2025

Place: Kokrajhar



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***“This work is  
dedicated to my Parents,  
whose unwavering love, support, and  
belief in me have been foundation of my  
journey,  
inspiring me to pursue knowledge and  
never give up, no matter  
the challenges”***





# BODOLAND UNIVERSITY, KOKRAJHAR

Debargaon, P.O. Rangalikhata  
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## CERTIFICATE

I hereby certify that the present Thesis entitled “**A study on *in vitro* propagation and comparative analysis of bioactive compounds in some selected wild and tissue cultured medicinal plants of Bodoland Territorial Region, Assam**” is an independent work of Mr. Tikendrajit Baro submitted to Bodoland University for the award of the degree of Doctor of Philosophy (Biotechnology), has been carried out under my guidance at the Department of Biotechnology, Bodoland University. Mr. Tikendrajit Baro has fulfilled all the requirements laid by the University for the award of Doctor of Philosophy in Biotechnology under the Faculty of Science and Technology.

To the best of my knowledge and belief, this work is original and has not been submitted so far in part or in full for the award of any degree or diploma of any other University/ Institute.

Date:10/12/2025

Place: Kokrajhar

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