

DECLARATION

I hereby declare that the thesis “**Studies on anticoagulant, thrombolytic and platelet aggregation inhibition properties of *Leucas indica* and *Momordica charantia* collected from Assam, India**” being submitted to Department of Molecular Biology and Biotechnology, Tezpur University, Tezpur, Assam in partial fulfillment for the award of the degree of Doctor of Philosophy in Molecular Biology and Biotechnology, has previously not formed the basis for the award of any degree, diploma, associateship, fellowship or any other similar title or recognition. Due to unavailability of proper facilities in Tezpur University, the following experiments/sample analyses were carried out at other institutes:

1. MALDI-TOF-MS and CD analyses were performed at Indian Institute of Technology, Guwahati, Assam, India.
2. LC-MS/MS analysis of protein samples were performed at Centre for Cellular and Molecular Platforms (C-CAMP), NCBS-TIFR, Bangalore, India.
3. GC-MS analysis of active fractions of plants was performed at Care Keralam, Kerala, India
4. ITC analysis was performed at DBT-University of Calcutta, Interdisciplinary Programme of Life Sciences for advanced Research and Education (IPLS), Kolkata, India
5. *In vivo* animal experiments were performed at Defence Research Laboratory (DRL), Solmara, Tezpur, Assam, Institute of Advanced Study in Science and Technology, Guwahati, Assam and Central Institute of Medicinal and Aromatic Plants (CSIR-CIMAP), Lucknow, India

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