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CERTIFICATE OF THE PRINCIPAL SUPERVISOR

This is to certify that the thesis entitled "In silico study on the structural dynamics of Amyloid- β peptide ($A\beta_{1-42}$), its aggregation pathway and inhibition: to control the geriatric epidemic, Alzheimer's disease" submitted to the School of Sciences, Tezpur University in partial fulfillment for the award of the degree of Doctor of Philosophy in Molecular Biology and Biotechnology is a record of original research work carried out by Ms. Mary Dutta under my personal supervision and guidance.

All helps received by her from various sources have been duly acknowledged. No part of this thesis has been reproduced elsewhere for award of any other degree.

Date: (Venkata Satish Kumar Mattaparthi)

Place: Tezpur University, Tezpur **Supervisor**