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## **CERTIFICATE**

Certified that the thesis entitled "Analysis of synonymous codon usage pattern in Influenza A Virus Subtypes" submitted by Himangshu Deka, Registration No: PhD/2421/13, Dt. 12/09/2013, for award of the Degree of Doctor of Philosophy in Biotechnology, is the outcome of a bonafide research work. This work has not been submitted previously for any other degree of this or any other university. It is further certified that the candidate has complied with all the formalities as per the requirements of Assam University. I recommend that the thesis may be placed before the examiners for the consideration of award of the degree of this university.

Place: Assam University, Silchar

**Date**: (Prof. Supriyo Chakraborty)