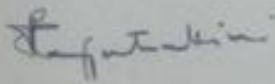


CERTIFICATE

This is to certify that the thesis entitled "**Novel thrombin inhibitors from Ixodid ticks**" submitted in partial fulfilment of the requirement of the degree of six year integrated M. Tech (VI year) to the Department of Biotechnology and Genetic Engineering, Bharathidasan University, Thiruchirappalli-24, Tamil Nadu, India, is a record of project work carried out by **Mr. Manikandan Arumugam** (register no: **09MTBT20**) under my guidance and supervision during the period of December 2014-May 2015 and that no part of the thesis has been submitted for the award of any other degree or diploma of any other university.

Date: 01/06/2015



Prof. R. Manjunatha Kini
Department of Biological Sciences
National University of Singapore