

DECLARATION

Statement under O. Ph. D. 8/ (iii) of The Maharaja Sayajirao University of Baroda, Vadodara, India.

The work presented in this thesis has been carried out by me, under the guidance of Dr. Mrinalini Nair, Associate Professor, Department of Microbiology and Biotechnology Centre, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, India. The data reported here is original and has been derived from research studies undertaken by me.

Place: **Vadodara**

Date: 10.8.2016

K. Manikandan
(Candidate)

This is to certify that the above declaration is true.

Place: **Vadodara**

Date: 10.8.2016

Dr. Mrinalini Nair
(Research Guide)