

**DECLARATION**  
**STATEMENT UNDER O.Ph.D. 8/ (iii) OF**  
**THE M. S. UNIVERSITY OF BARODA, VADODARA**

The work presented in this thesis has been carried out by me under the guidance of Prof. G. Archana, Department of Microbiology and Biotechnology Centre, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India. The data reported herein is original and has been derived from studies undertaken by me.

Place: Vadodara  
Date:

**Mansi Agrawal**  
Candidate

This is to certify that the above declaration is true.

Place: Vadodara  
Date:

**Prof. G. Archana**  
Research Guide