

**Nucleotide Sequencing & Functional Analysis of
Some Genes in PKS Cluster of *S. flaviscleroticus*
and Studies on Mode of Action of the Polyketide.**

A Thesis Submitted to
The Maharaja Sayajirao University of Baroda

for the Degree of
Doctor of Philosophy in Biochemistry

By
MAULIK N. THAKER



Department of Biochemistry
Faculty of Science, The Maharaja Sayajirao University of Baroda
Vadodara – 390 002, India

MAY 2008

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



This is to certify that the work presented in this thesis is original and was obtained from the studies undertaken by me under the supervision of **Dr Jayashree Pohnerkar.**

Vadodara

Date: 15th MAY '08.

Maulik N. Thaker

Candidate

This is to certify that the work presented in the form of a thesis in fulfillment of the requirement for the award of the Ph. D. degree of The M. S. University of Baroda by Mr. Maulik N. Thaker is his original work. The entire research work and the thesis have been built up under my supervision.

Vadodara

Date: 15th MAY '08.

Dr. Jayashree Pohnerkar

Research Supervisor

Department of Biochemistry

Faculty of Science

The M. S. University of Baroda

Vadodara- 390 002