

**Role of Mobile Genetic Elements in Multidrug
Resistance Displayed by Indian Isolates of
Vibrio spp. and *Shigella* spp.**

A THESIS SUBMITTED TO
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY

IN

MICROBIOLOGY

BY

Rajpara Neha Darshanbhai



Under the supervision of

Guide

Dr. Mrinalini Nair

Associate Professor
Department of Microbiology & Biotechnology Centre
Faculty of Science
The Maharaja Sayajirao University of Baroda
Vadodara – 390 002, Gujarat

Co-Guide

Dr. Ashima Bhardwaj

Associate Professor
Human Health and Diseases
School of Biological Sciences and
Biotechnology
Indian Institute of Advanced Research
Gandhinagar-382007, Gujarat

2018