## Role of (p)ppGpp synthetase (relA) and 23S rRNA methyltransferase (rumA) in conferring low level of multiple antibiotic resistance in Escherichia coli.

## THESIS SUBMITTED TO

## THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA, VADODARA, GUJARAT



## FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN BIOCHEMISTRY

BY

KRISHMA TAILOR, M.Sc.

DEPARTMENT OF BIOCHEMISTRY
FACULTY OF SCIENCE
THE M. S. UNIVERSITY OF BARODA
VADODARA- 390 002

**MARCH, 2015**