

**“Synthesis and Applications of Novel Chiral Ligands in
Organic Chemistry”**

**A Thesis Submitted to
The Maharaja Sayajirao University of Baroda
For the Award of the Degree of
Doctor of Philosophy in Chemistry**

**By
Chaudhary Anju Rajendrasingh**

**Research Supervisor
Prof. Ashutosh V. Bedekar**

**DEPARTMENT OF CHEMISTRY
FACULTY OF SCIENCE
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA-390002**

June 2014