

**ROLE OF FLAVONOID AND POLYUNSATURATED FATTY ACID IN GLIAL  
CELL FUNCTIONS AND NEUROINFLAMMATION**

THESIS

SUBMITTED TO

**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

**VADODARA, GUJARAT**

FOR THE DEGREE OF

**DOCTOR OF PHILOSOPHY**



By

**Arpita Rajendrakumar Dave**

Division of Neurobiology,

Department of Zoology, Faculty of Science

The Maharaja Sayajirao University of Baroda, Vadodara- 390 002, Gujarat, INDIA

OCTOBER-2018