

**ANTHOCYANINS IN Brassica oleracea L.  
AND THEIR CARDIOPROTECTIVE  
POTENTIAL**

**THESIS  
SUBMITTED TO  
THE MAHARAJA SAYAJIRAO UNIVERSITY OF  
BARODA,  
VADODARA-390 002, GUJARAT, INDIA**



**FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY**

**By**

**Sarmita S. Jana**

**Under Guidance of  
Dr. Ranjitsinh V. Devkar**  
Division of Phytotherapeutics and Metabolic Endocrinology,  
Department of Zoology, Faculty of Science,  
The Maharaja Sayajirao University of Baroda  
Vadodara, Gujarat, INDIA

**January, 2018**