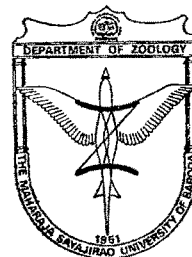


**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**



**DEPARTMENT OF ZOOLOGY  
FACULTY OF SCIENCE  
BARODA-390 002  
INDIA**



**C E R T I F I C A T E**

This is to certify that the thesis incorporates the results of independent investigation carried out by the candidate in the Department of Zoology, Faculty of Science, M.S. University of Baroda, Baroda.

*Sirimavo T. P.*  
Candidate  
(Sirimavo Pillai)

*Bonny Pilo*  
Guiding Teacher  
(Prof. Bonny Pilo)