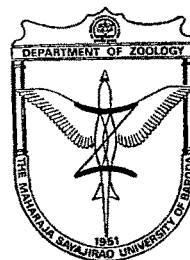


THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



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 investigations carried out by the candidate himself in the department of Zoology, M. S. University of Baroda, Baroda.

Signature of student

Signature of the Guiding
Teacher