

**UNIVERSITY OF MADRAS**  
**DEPARTMENT OF APPLIED GEOLOGY**  
GUINDY CAMPUS, CHENNAI- 600 025, INDIA.



**CERTIFICATE FROM THE SUPERVISOR**

I certify that the thesis entitled **“SYSTEMATICS, DISTRIBUTION, ECOLOGY AND SHELL CHEMISTRY OF RECENT BENTHIC OSTRACODA, OFF RAMESWARAM, GULF OF MANNAR, SOUTHEAST COAST OF INDIA”** submitted for the degree of **Doctor of Philosophy (Ph.D.)** by **Mr. T. SIVAKUMAR**, is the record of research work carried out by him during the period from March 2007 to July 2014 under my guidance and supervision and that this work has not formed the basis for the award of any Degree, Diploma, Associateship, Fellowship or other Titles in this University or any other University of institution of Higher Learning.

Date: 10.07.2014  
Place: Chennai

Signature of the Supervisor with designation