

**STUDY ON ADAPTOGENIC ACTIVITY *IN VIVO* AND *IN VITRO* OF *RHODODENDRON ARBOREUM* FROM N. E INDIA AND ITS MOLECULAR CHARACTERIZATION**

Thesis submitted for the Degree of Doctor of Philosophy in

Biotechnology

2015



**GAUHATI UNIVERSITY**

**GUWAHATI**

By

**JAYANTI DATTA ROY**  
(*REDG. NO. 37104 of 2002-03*)

Guided by

**Supervisor: Prof. A. K. Handique**

**Department of Biotechnology**  
**Gauhati University, Guwahati- 781014**