

**MICROPROPAGATION AND CONSERVATION OF CRITICALLY  
ENDANGERED *MANTISIA SPATHULATA* SCHULT. AND *MANTISIA  
WENGERI* FISCHER (ZINGIBERACEAE) OF NORTH-EAST INDIA**

By

**SUDIPTA SHEKHAR DAS BHOWMIK**



THESIS SUBMITTED IN FULFILMENT OF THE REQUIREMENT

**OF THE DEGREE OF DOCTOR OF PHILOSOPHY**

**IN BOTANY**

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