

**ROLE OF SOIL PROPERTIES ON ECOSYSTEM CARBON FLUX  
IN A SEMI-EVERGREEN FOREST OF NORTH EAST INDIA**

*A thesis submitted in partial fulfilment of the requirements  
for award of the degree of*

***Doctor of Philosophy***

**Palakshi Borah**

Registration Number: TZ203925 of 2023



**Department of Environmental Science**

**Tezpur University**

**Napaam, Tezpur-784028**

**Assam, India**

January, 2023