

**SYNTHESIS AND SURFACE  
FUNCTIONALIZATION OF CONDUCTING  
POLYMER NANOSTRUCTURES FOR  
BIOMEDICAL APPLICATIONS**

**A thesis submitted in partial fulfillment of the  
requirements for the degree of  
Doctor of Philosophy**

**Rajiv Borah**

**Registration No.: TZ121668 of 2012**



**Department of Physics, School of Science and  
Technology**

**Tezpur University, Tezpur-784028**

**Assam, India**

**February, 2018**