

**THESIS ENTITLED**

**BAND GAP ENGINEERING OF  
FUNCTIONALIZED SEMICONDUCTORS  
FOR PHOTOCATALYTIC APPLICATIONS**

To be Submitted to

**The Maharaja Sayajirao University of Baroda**

For the Degree of

**Doctor of Philosophy**

In

**PHYSICS**

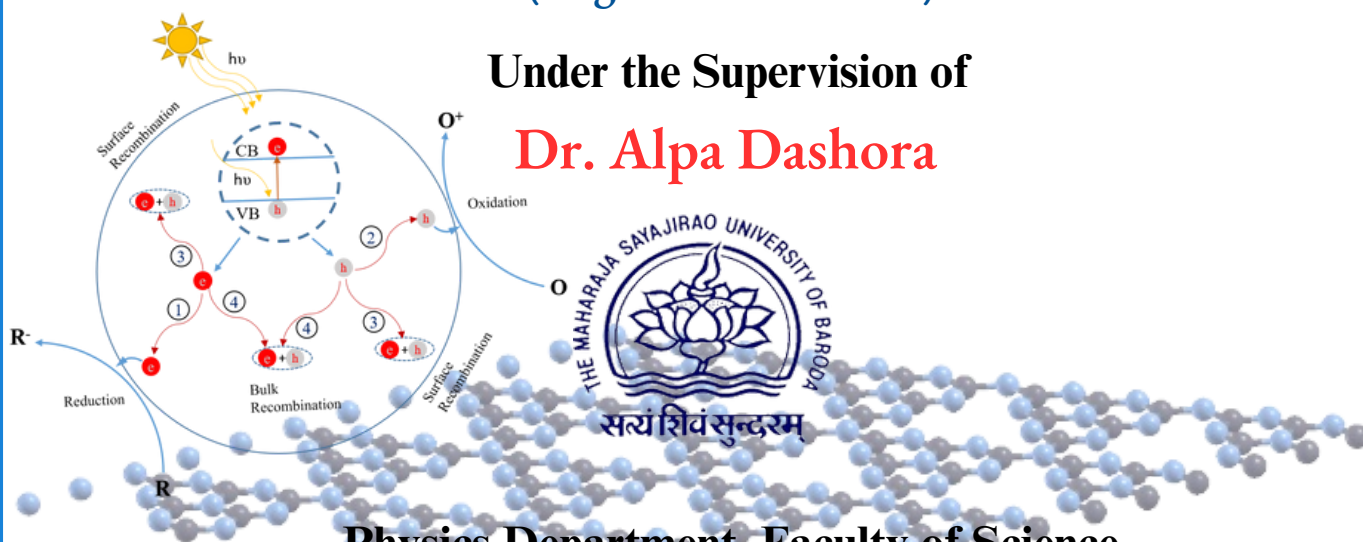
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**JANUARY-2024**