



# Synthesis of Metal Oxide and Metal sulphides Nanostructures and their Application Towards Photocatalytic and Photoelectrochemical hydrogen generation



Jyoti, IITD-NYCU

**IIT Delhi Advisor & Dept.:** Prof. Pravin Popinand Ingole,  
Chemistry

**NYCU Advisor & Dept.:** Prof. Yung-Jung Hsu, MSE

**Ongoing Research/stage of your JDP:** (comprehensive completion/ Synopsis not done submitted/ 5 years completed, etc.

- Synthesis of metal oxides and modification their surfaces for PEC water splitting
- Synthesis of metal sulphides with tunable size and composition for photocatalytic hydrogen generation.

• Significant Achievements

(8 Publication/4 international conference/ 2 national conferences, )

