



Exploring Sodium based Vanadium Polyanionic Cathodes for Liquid and Solid-State Sodium-ion Batteries

Simranjot Kaur Sapra, IITD NCTU Joint Degree Program

IIT Delhi Advisor & Dept.: Prof. Rajendra S. Dhaka, Department of Physis, Indian Institute of Technology Delhi
NYCU Advisor & Dept.: Prof. Jeng-Kuei Chang, Department of Material Science and Engineering, National Yang Ming Chiao Tung University.

Current status/stage of your JDP: Comprehensive examination completed and in the process of completion.

- Development of novel cathode materials.
- Investigate the crystal defect modulations in the electrode materials.
- Development of the composite polymer solid electrolytes.
- Fabrication of the high voltage solid state sodium ion batteries.

