

## Dr. Ravinder Reddy Butreddy



Education : M.Sc., M.Phil., Ph.D.

Doctor of Philosophy:

Title: "Ultrasonic Investigations of Alcohol – Ester binary mixtures and Bacterial cultures".

Research Experience:

Research area:

Energy Materials to investigate new materials to enhance Energy storage capacity by applying various Synthesis techniques and environments. Instrumentation: XRD, SEM, TEM, FTIR, UV-Visible, DTA, XPS, and Raman Characterizations; and Conductivity, Dielectric and Cyclic voltammetry measurements techniques.

Areas of Teaching Experience:

Sublets Taught: Quantum Mechanics, Adv. Solid State, Physics, General Solid state Physics, Spectroscopy, Classical Mechanics, Electronics, Waves and Oscillations, Electromagnetic theory, Thermodynamics-Optics, Microwaves, C-Language, Electricity-Magnetism, Modern Physics, Thermodynamics-Optics, Mechanics-Waves & Oscillations and Engineering physics.

Awards : SFRF from IIT Delhi, New Delhi, INDIA.

Grants : UGC-DST Minor and Major Projects executed

Professional Memberships: 1. Member of Electrochemical Society, USA 2. Member of Ion Beam Society of India (IBSI). 3. Life member, Instrument society of India, Hyderabad chapter (ISOI) 4. Member of Ultrasonic Society of India (USI). 5. Member of Alumni Association, Osmania University, Hyderabad, INDIA

Google Scholar link: [https://scholar.google.com/scholar?hl=en&as\\_sdt=0%2C5&q=Ravi](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Ravi)