Materials Innovation through Solid State Chemistry

Research Topics
- Lithium-ion batteries, Sodium-ion batteries, Lithium-sulfur batteries
- Complex chalcogenides for thermoelectrics, super-ionic conductor and magnetic semiconductor
- Porous Frameworks (MOFs and Zeolites) for catalysis and gas storage
- Understanding structure-property-correlations

Contact Information
Amitava Choudhury
Associate Professor of Chemistry
400 West 11th Street, Rolla
Email: choudhurya@mst.edu
Phone: (573) 341-6332

Funding
National Science Foundation, American Chemical Society's-Petroleum Research Fund, UM Research Board

Keywords
- Batteries; Electrochemistry; Thermoelectrics; Catalysis; Magnetism; Chalcogenides; Oxides; MOFs; Synthesis; X-ray crystallography

Representative publications