

Defence Seminar

Seminar Title	: Magnetolectricity in LaYFe ₂ O ₆ and its derivatives for energy harvesting
Speaker	: Rubina Ghosh (Rollno : 518ph1005)
Supervisor	: Prof. Prakash Nath Vishwakarma
Venue	: Online: msteam
Date and Time	: 14 Mar 2024 (10.00 AM)
Abstract	: Link: https://teams.microsoft.com/l/meetup-join/19%3azXw2NWINiAf5xWCMbmEIwW-B1tnTUb7ec0X99X9pfM1%40thread.tacv2/1710216750338?context=%7b%22Tid%22%3a%22bad12864-913e-4b99-87d6-b8d2ad459e27%22%2c%22Oid%22%3a%22ddcd68e0-6c2b-4e80-afde-7d78037da31e%22%7d

Amid the rapid development of technology, magnetolectric (ME) multiferroic materials provide a fertile playground to explore fascinating electric and magnetic properties. The existence of more than one type of ferroic orderings like magnetic spin, electric dipole, and elastic ordering in these materials and their dynamic interaction would make it easier for pioneering next generation devices. In this backdrop, development and establishment of magnetolectricity in a new material or insight may prove beneficial in the evolution of this field. As a variant of perovskite structure, double perovskite oxides have been coveted much research attention in recent years because of various intriguing properties. In this talk, the speaker will present her investigation on double perovskite LaYFe₂O₆ and its derivatives for magnetolectric applications i.e. energy harvesting application.

ALL ARE CORDIALLY INVITED