

**Department of Physics**

| Sl. No. | Project No.                           | Title of The Project  | Full Name of Funding Agency   | Sanctioned Amount including Manpower (in Lakh) | Start Date of Project (in dd-mm-yyyy) | End Date of Project (in dd-mm-yyyy) | Name of PI            |
|---------|---------------------------------------|---|---|--|---------------------------------------|-------------------------------------|-----------------------|
| 1       | UGC-DAE CSR/2023-2024/1014/PHYSICS    | Single crystal growth and search for novel magnetic phases in 3d Co <sub>2</sub> + frustrated compounds: A <sub>3</sub> CoTa <sub>2</sub> O <sub>9</sub> (A=Ba, Sr, Ca) | UGC-DAE Consortium for Scientific Research, Indore                      | 0.45   | 30.03.2023                            | 29.03.2024                          | Prof. Tusharkanti Dey |
| 2       | DST(SERB)(392)/2023-2024/1021/PHYSICS | Storage of hydrogen-methane mixture in porous aromatic frameworks (pafs): a multi-scale computational investigation   | SERB, New Delhi   | 13.42  | 28.06.2023                            | 27.06.2026                          | Prof. Sridhar Sahu    |
| 3       | DST(ICD)(406)/2023-2024/1071/PHYSICS  | Quest for novel magnetism in selected 3d and 5d based transitional metal oxides   | Department of Science & Technology (International Cooperation Division) | 10.4   | 20.10.2023                            | 19.10.2025                          | Prof. Tusharkanti Dey |
| 4       | SERB(SRG)(415)/2023-2024/1083/PHYSICS | Engineer Ultrafast Switching in FePt-based Ferrimagnetic Alloys   | SERB, New Delhi   | 19.91  | 07.02.2024                            | 06.02.2026                          | Prof. Ritwik Mondal   |
| 5       | SERB(CRG)(423)/2023-2024/1092/PHYSICS | Growth of β-Ga <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> Heterostructure Integration for UV Photodetector   | SERB, New Delhi   | 16.03  | 15.03.2024                            | 14.03.2027                          | Prof. R. Thangavel    |
| 6       | SERB(CRG)(426)/2023-2024/1095/PHYSICS | Photo-thermal optimization of upconversion nanoparticles as contrast enhancer for Optical Coherence Tomography (OCT)  | SERB, New Delhi   | 19.3   | 18.03.2024                            | 17.03.2027                          | Prof. Kaushal Kumar   |