Update of CV
Dr. Sourish Banerjee
Deptt. of Physics
University of Calcutta

Research guidance: (modified)

Number of researchers awarded M.Phil/ Ph.D degrees: Ph.D.: 4
Number of researchers pursuing M.Phil/ Ph.D: Ph.D. : 2

Teaching: (new addition)

(P.G. level)

General Paper: Solid State Physics, Electrodynamics

Advanced Paper: Condensed Matter Physics, Solid State Electronics

Practical Paper: Engaged in General Electrical / Electronics laboratory in Semester I & II and two advanced practical papers in Solid State Electronics Laboratory in Semester IV

Project: Guided students in project paper in Semester IV

Laboratory experiments are developed and modified regularly, syllabi are also updated and new experiments are introduced. Students are encouraged to analyze the experimental results by using plotting software.
Engaged in internal assessment in form of viva voce and class test throughout the year.

(U.G. Level)

Actively engaged in the B.Sc. (Honours & General in Physics) examination system as moderator and head examiner.

List of Publication: (4 new papers added)

<u>Add these four papers at the end of the existing list i.e. after the paper title "Vibrational and thermal studies of CdSe nanorods"……</u>

- Structural and AC conductivity study of CdTe nanomaterials, Sayantani Das, **Sourish Banerjee**, T.P. Sinha, Physica E **78** (2016) 73

- Electronic structure and transport properties of antiferromagnetic double perovskite Y_2AlCrO_6, Indrani Das, Sadhan Chanda, Sujoy Saha, Alo Dutta, **Sourish Banerjee,** Sudipta Bandyopadhyaya T. P. Sinha, RSC Adv. **6** (2016) 80415

- Magnetic and Dielectric Study of Fe-Doped CdSe Nanoparticles, Sayantani Das, **Sourish Banerjee,** Sudipta Bandyopadhyay, Tripurari Prasad Sinha, Electron. Mater. Lett., **14** (2018) 52-58

- AC – Conductivity Study of CdSe Nanorods, Sayantani Das, **Sourish Banerjee,** Sinha TP, Adv. Material Sci. Engg. **2** (2018) 1

Conference/ seminar volumes: (one new conference article added)

<u>Add this conference article at the end of the existing list:</u>

Magnetic study of Co-doped CdSe nanoparticles, Sayantani Das, **Sourish Banerjee,** T. P. Sinha, AIP Conference Proceedings **1942** (2018) 120020