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Specialization: Condensed Matter Physics
Designation: SACT-I
Postdoctoral experience: 02 years
Teaching experience: 06 years



Publications:

1. **R. Kundu**, Some factors leading to asymmetry in electronic spectra of bilayer graphene, *International Journal of Modern Physics B*, **25**, 1877-1888 (2011).
2. **R. Kundu**, Tight-binding parameters for graphene, *Modern Physics Letters B*, **25**, 163-173 (2011).
3. **R. Kundu**, P. Mishra, B. R. Sekhar, M. Maniraj, S. R. Barman, Electronic structure of single crystal and highly oriented pyrolytic graphite from ARPES and KRIPES, *Physica B*, **407**, 827-832 (2012).
4. **R. Kundu**, P. Mishra, B. R. Sekhar, J. Chaigneau, R. Haumont, R. Suryanarayanan, J. M. Kiat, Electronic structure of $\text{Bi}_{1-x}\text{Pb}_x\text{FeO}_3$ from photoelectron spectroscopic studies, *Solid State Communications*, **151**, 256-258 (2011).
5. M. K. Dalai, P. Pal, **R. Kundu**, B. R. Sekhar, S. Banik, A. K. Shukla, S. R. Barman, C. Martin, Electronic structure of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ from photoemission and inverse photoemission spectroscopies, *Physica B*, **405**, 186-191 (2010).
6. M. K. Dalai, **R. Kundu**, P. Pal, M. Bhanja, B. R. Sekhar, C. Martin, XPS study of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.2, 0.33, 0.4$ and 0.84), *Journal of Alloys and Compounds* **509**, 7674-7676 (2011).
7. D. Samal, **R. Kundu**, M. K. Dalai, B. R. Sekhar and P. S. Anil Kumar, Time evolution of resistance in response to magnetic field: evidence of glassy transport in $\text{La}_{0.85}\text{Sr}_{0.15}\text{CoO}_3$, *Phys. Status Solidi B*, **249**, 2190-2193 (2012).
8. P. Pal, M. K. Dalai, **R. Kundu** and B. R. Sekhar, Pseudogap behaviour of phase separated $\text{Sm}_{1-x}\text{Ca}_x\text{MnO}_3$: A comparative photoemission study with double exchange, *Physical Review B*, **77**, 184405 (2008).
9. P. Pal, M. K. Dalai, **R. Kundu**, M. Chakraborty and B. R. Sekhar, Near Fermi level Electronic structure of $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$: Photoemission study, *Physical Review B*, **76**, 195120 (2007).
10. B. R. Sekhar, **R. Kundu**, P. Mishra, M. Maniraj and S. R. Barman, Near E_F electronic structure of graphite from photoemission and inverse photoemission studies, *AIP Conf. Proc.* **1391**, 50-53 (2011).