

Personal Profile



NAME	SUDIPTA ROY
ADDRESS with Email	FLAT NO.-103, GR-8, DISHA CO-OPERATIVE HOUSING SOCIETY LTD., STREET NO.-29, BENGAL AMBUJA, CITY CENTER, PIN-713216 (WEST BENGAL) e-mail: roysudipta2050@gmail.com
Highest qualification	Ph.D.
TEACHING EXPERIENCE	12 years
TOPICS TAUGHT	Mathematical methods of Physics, Physical optics, Classical Mechanics, Molecular and atomic Spectroscopy, Solid state Physics, Electrodynamics
RESEARCH EXPERIENCE	9years
RESEARCH AREA	Thin film photovoltaic materials synthesis and characterization, Wide band gap materials, nano materials synthesis like Diamond like carbon etc.
Award and Recognition (if any)	(i) Secured first rank in University of Kalyani in B.Sc.(Hons.) in Physics in 1995. (ii) Qualified in GATE-98 (iii) Qualified in NET June -1998 (iv) Obtained Ph.D. from Indian Association for the Cultivation of Science, Kolkata in July 2002. (v) Korea Research foundation post doctoral fellowship (in Korea Advanced Institute of Science and Technology, South Korea). (vi) National Research foundation post doctoral Fellowship in Taiwan from January 2005 to July 2005.
Membership (if any)	Society for information display
Other activity (if any)	
List of Publications (chronological order- latest to oldest) (books, book chapters, journal and conference publications)	1. "CuIn(S _x Se _{1-x}) ₂ films prepared by graphite box annealing of In/Cu stacked elemental layers" S.Bandyopadhyaya, S.Roy , S.Chaudhuri, A.K.Pal : Vacuum 62 (2001) 61-73. 2. "Characterization of CuInGaS ₂ films synthesized by In/Cu stacked elemental layers" S.Bandyopadhyaya, S.Roy , P.Guha, S.N.Kundu, S.Chaudhuri, A.K.Pal Journal of Physics D(Appl. Physics): 34 (2001)2581-2588.

3. "Characterization of Cu(In,Ga)Se₂ films by Raman scattering"

S.Roy, P.Guha, S.N.Kundu, H.Hanzawa, S.Chaudhuri, A.K.Pal

Materials Chemistry and Physics **73**(2002)24-30.

4. "CuInTe₂ thin film synthesized by graphite box annealing of In/Cu/Te stacked elemental layers" **S.Roy**, P.Guha, S.Chaudhuri, A.K.Pal Vacuum **65**(2002)27-37.

5. "CuInTe₂ thin film synthesized by rapid thermal annealing of In/Cu/Te stacked elemental layers".**S.Roy**, P.Guha, S.Chaudhuri, A.K.Pal, Physica Status Solidi a: **189**(2002)209-221.

6. "Characterization of CuInTe₂ thin film synthesized by three source co-evaporation technique" **S.Roy**, B.Bhattecharjee, S.N.Kundu, S.Chaudhuri and A.K.Pal Material Chemistry and Physics **77**(2002)365-376.

7. "Characterization of CuGaTe₂ thin film synthesized by three source co-evaporation technique" P.Guha, **S.Roy**, S.Chaudhuri and A.K.Pal Journal of Physics D: **35**(2002)1504.

8. "Enhancement of Ru nucleation in Ru-MOCVD by ECR plasma pretreatment" Kyunsuk Choi, Jongmin Lim, **Sudipta Roy**, and Chongmu Lee, Japanese Journal of Pure and Applied Physics **42**(2003)5539-5542.

9. "Photoluminescence studies in CuInTe₂ thin films" P.Guha, **S.Roy**, S.Chaudhuri and A.K.Pal Indian Journal of Pure and Applied Physics **41**(869-875) 2003.