

Personal Profile	
Name	SUDIPTA ROY
Address with email	<p><i>Present Add: Flat no.-103, Disha co-opearative housing society limited, GR-8, Street NO.-29, Bengal Ambuja, City Center, Durgapur-713216(WB)</i></p> <p>.</p> <p><i>Permanent Add: Flat no.-103, Disha co-opearative housing society limited, GR-8, Street NO.-29, Bengal Ambuja, City Center, Durgapur-713216(WB)</i></p> <p>.</p> <p>Email:roysudipta2050@gmail.com, sudipta@bccollegeasansol.ac.in</p>
Date of Joining	06.05.2015
Teaching Experience	17 years and 8 months
Topics Taught	Mathematical methods in Physics, Classical Mechanics, Wave optics, Solid State Physics, Quantum mechanics
Research Experience	9 years
Research Area	Wide band gap materials, Thin film solar cell, DLC materials.
Award and Recognition (if any)	<ol style="list-style-type: none"> 1. B.Sc.(Hons.) from Kalyani University (1st Rank) with PHYSICS in 1995 with FIRST CLASS. 2. M.Sc in PHYSICS from Kalyani University (3rd Rank) in 1997 with FIRST CLASS 3. Junior Research Fellowship, sponsored by Council of scientific and Industrial Research, Govt. of India, Sept. 1998. 4. Junior Research Fellowship, sponsored by the Indian Association for the Cultivation of Science, April 2000. 5. Received Ph.D. degree in 2002 in Physics from Jadavpur University, Calcutta, India. Worked with Prof. S. Chaudhuri and Prof. A. K. Pal,



	<p>Indian Association for the Cultivation of Science, Jadavpur, Calcutta, India.</p> <p>6. Korea Research Foundation fellowship in KAIST (Korea Advanced Institute of Science and technology in 2003).</p> <p>7. National research foundation fellowship in National Tsing Hua University in Taiwan in 2005.</p>
Membership	NIL
Other Activity	<ul style="list-style-type: none"> ▪ NIL
List of Publications	<ol style="list-style-type: none"> 1. "CuIn(S_xSe_{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 CuInGaS₂ 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 Communicated to 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 Vol.41, November 2003, pages 869-875.
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