TEACHER'S PROFILE

DR DHANANJOY ROY, DEPARTMENT OF PHYSICS

BARASAT GOVERNMENT COLLEGE

	: Associate Professor
	: M.Sc., Ph.D.
> DATE OF JOINING THE SERVICE	: Feb 19, 2002
> DATE OF JOINING THE INSTITUTION	: Dec 2, 2010
Address for communication	: BC 46/5, Bichitra Abasan, Salt Lake City, Kolkata - 700064, West Bengal, India
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	: Solid State Physics
> TEACHING EXPERIENCE	: PG - 11 years; UG - 20 years; B.Tech 3 years.
COLLEGE SERVED	: (1) Jhargram Raj College; from February, 2002 to July, 2008; (2) Berhampore Govt. College of Engineering and Textile Technology; July, 2008 to November 2010; (3) Barasat Govt. College, December 2010 to Till date.

	ACADEMIC AND ADMINISTRATIVE EXPERIENCE	:	PG & UG course teaching; Question paper setter and Internal & External Examinar of University; serving as Governing Body (GB) member of Ramakrishna Mission Vivekananda Centenary College, Rahara since 2016.
Y	TOPICS TAUGHT	:	Quantum Mechanics, Classical Mechanics, Solid State Physics, Electronics, Heat & Thermodynamics, General Properties of Matter, Acoustics, Optics and Practicals
	AREA OF RESEARCH & INTEREST	:	Previously I have researched on Superconductivity, Transparent & Conducting materials, Solar Cell grade Microcrystal/ Polycrystals/ Amorphous. Presently my research interest is synthesis and characterisation of NANO Alluminum doped Zinc Oxide materials.
X	ONGOING PROJECT DETAILS	:	No
X	AWARD RECEIVED	:	NONE
V	PATENT DETAILS	:	NONE
\checkmark	EXTRACURRICULAR ACTIVITIES	:	NONE
A	CAREER PROFILE	:	Honors Graduate in Physics from Calcutta University in 1986, M.Sc. in Physics from Kalyani University in 1990 & ranked 3rd; Ph.D. on High Temperature superconductivity from Kalyani University in 1998; Post Doctoral work in Kanpur IIT, IACS, Jadavpur and Paris, FRANCE (2000- 2002). Attended nearly 10 International Conferences, 10 National Conferences, Reviewer of International Conferences.
$\boldsymbol{\lambda}$	ACADEMIC LINK	:	NA

PUBLICATION							
JOURNAL PUBLICATION :	(1)	Dhananjoy Roy, 'Aluminum doped Nano Zinc Oxide can act as good carrier for Biomedicine.', Springer Nature Singapore Pte Ltd., 44348, ISSN 2195- 271X ISSN 2195-2728 (electronic); ISBN 978-981-33-6914-6 ISBN 978-981-33- 6915-3 (eBook).					
	(2)	Dhananjoy Roy, Meghasree Basu and Sourav Paul, 'Synthesis of Al-doped Zinc Oxide nano particle TCO material by simple Sol-Gel method', Jurnal. of. Phys.: Conf. Ser. 1579 012007), vol. 1579,, 44034, Online ISSN: 1742-6596					
	(3)	C. Longeaud, D. Roy and O. Saadane, ''Role of interstitial hydrogen and voids in light-induced metastable defect formation in hydrogenated amorphous silicon: a model', Phys. Rev. B, vol. 65, 085206/1-9, 2002, 1098-0121 (print); 1550-235X (web)					
	(4)	D. Roy, C. Longeaud, O. Saadane, S. Vignoli, R Butté, R. Meaudre and M. Meaudre, 'Evolution with light-soaking of polymorphous materials prepared at 423K', J. non-crystalline solid, vol. 299-302, part 1, 2002, ISSN: 0022-3093					
	(5)	C. Longeaud, D. Roy and Z.T. Hangouan, 'Evolution with light-soaking of the conduction band tail of amorphous silicon like materials', Applied Physics Lett. vol. 77, no. 22, American Institute of Physics (United States), 2000, 0003-6951 (print); 1077-3118 (web)					
	(6)	D. Roy and A. Nag, 'Field and frequency dependence of critical current density <j> of ceramic HTSCs', Indian Journal of Physics A, Springer Science+Business Media on behalf of the Indian Association for the Cultivation of Science, 1999, 0973-1458 (print); 0974-9845 (web)</j>					
	(7)	D. Roy, B. Ghosh, C. Neogy, S.K. Deb and A. Nag, 'Electrical study of 123 HTSC (77 to 400K) with varying fraction of Y; explanation of the normal state behaviour', phys. Stat. Sol. (b), Germany, 1995, ISSN 0370-1972					

