NARAJOLE RAJ COLLEGE

(NAAC Accredited B grade)

NARAJOLE: PASCHIM MEDINIPUR: PIN-721211

Contact No.9933881131 E-Mail Id. narajolerajcollege@rediffmail.com

FACULTY PROFILE

BASIC PROFILE

Name: Dr. Avradip Pradhan

Designation : Assistant Professor

Department : Physics

Unique ID : -------

E-mail: avradipjan24@gmail.com

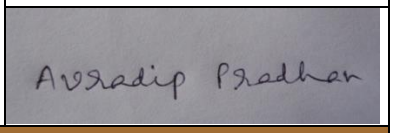
Contact No: 9611187390

Academic Qualification: M.Sc. (IIT Kanpur), Ph.D (IISc Bangalore)

Gender : Male

Blood Group : B+

Permanent Address: Garhkamalpur, Professor Para, P.O.+P.S. – Mahishadal, Dist. – PurbaMedinipur, PIN – 721628, West Bengal



SERVICE HISTORY

Year of Joining	2019
Previous Employment, if any	Contractual Faculty, Department of Material Science & Technology, MAKAUT
Experience in Teaching	1 year (approx.)
Area of Teaching:	**UG & PG (Physics)**
Area of Specialization:	**Experimental Condensed Matter Physics**
Participation in Administrative activities: N/A	

RESEARCH PROFILE

Area of Research Interest :	**Synthesis & Characterization of nano-materials, Electrical transport study in low dimensional system, Opto-electronics**
Research Experience (if any)	7 years (during Ph.D & R.A. tenure)

Conference/Seminar/ Workshop Attended: Title	Year	Role	Organizer
1. Discussion meeting: Advances in Graphene, Majorana Fermions and Quantum Computation	**2012**	**Participant & Volunteer**	**ICTS, Bangalore**

2. American Physical Society (APS) March Meeting 2018, Los Angeles	**2018**	**Participant**	**American Physical Society (APS)**

Projects ongoing / completed:

Title	Funding Agency	Year	Amount (Rs.)
N/A	N/A		

Involvement in Academic/ Professional Organizations: N/A
SUPERVISOR : N/A
ADJUDICATOR : N/A

REVIEWER : N/A
Involvement in Academic/ Professional Organizations: NA
Editorial Board Member : N/A

Books :	N/A
Chapters in Books :	**1**. "**2-D Inorganic Materials beyond Graphene", Chapter 5: 2D Hybrid structures, properties and devices,** M. A. Aamir, T. Ahmed, K. Hsieh, S. Islam, P. Karnatak, R. Kashid, P. B. S. Mahapatra, J. K. Mishra, T. Paul, **A. Pradhan**, K. Roy, A. Sahoo, A. Ghosh, **Publisher: World Scientific, 2017**
Journals:	**1**.S. Bhattacharjee, M. K. Harbola, **A. Pradhan** and A. Modak, "Coexistence of tunneling and displacement currents in a nanogap driven with ac fields" (**Applied Physics Letters, 2012**)
	2.R. Venkatesh, S. Kundu, **A. Pradhan**, T. PhanindraSai, A. Ghosh and N. Ravishankar, "Direct Assembly of Ultrathin Gold Nanowires over Large Area by Dielectrophoresis" (**ACS Langmuir, 2015**)
	3.A. Pradhan, A. Roy, S. Tripathi, A. Som, D. Sarkar, J. K. Mishra, K. Roy, T. Pradeep, N. Ravishankar and A. Ghosh, "Ultra-high sensitivity infra-red detection and temperature effects in a graphene - tellurium nanowire binary hybrid" (**Nanoscale, 2017**)
Conf. Proceedings:	**N/A**