

DR. PRADYOT NANDA

Designation: Assistant Professor

Department: Department of Physics

Date of joining present service: 14.01.2021

Date of joining in service: 03.03.2015

E-mail: pradyot76nanda@gmail.com

Phone : 9064041377



1. Academic Qualifications

Degree	Institution	Year	Subject/Discipline
M.Sc	University of GGD	2003	Physics
M. Phil.	J.U	2006	Environmental Science
Ph. D.	J.U	2012	Science

2. Thesis Title

Ph.D. Thesis Title: Effect of Irradiation on Properties of Polymer Electrolytes

3. Specialization and Area of Interests

Specialization: Solid State Physics

Area of Interests: Condensed Matter Physics

4. Publications

Research Papers in Journals

Sl No.	Year/ Month	Title	Name of Journal	Volume / Page No.	Authors	Impact Factor

1.	2011	“Conductivity Enhancement in Polymer Electrolytes on Gamma Irradiation”	Radiation Physics and Chemistry	80/22-27	Pradyot Nanda, Sankar Maity, Namita Pandey, Ruma Ray, A.K. Thakur and Sujata Tarafdar	1.488
2.	2010	“Variation in viscosity and ion-conductivity of a polymer –salt complex exposed to gamma irradiation”	PRAMANA J. Phys,	vol.74, pp. 271-279	Sujata Tarafdar, S.K. De, Sujit Manna, Udayan De and Pradyot Nanda	0.561
3.	2010	“Effect of gamma irradiation on a polymer electrolyte: Variation in crystallinity, viscosity and ion-conductivity with dose”		268, 73-78	Pradyot Nanda, S.K. De, Sujit Manna, Udayan De, Sujata Tarafdar	1.266
4.	2008	“Effect of Gamma Irradiation on Properties of polymer Electrolytes”	Solid State Ionics: New materials for pollution free energy devices, ed. B V R Chowdari et al. (Macmillan India, Delhi,	pg. 99	S. Tarafdar, Pradyot Nanda, U. De, S. Manna and S K De	
5.	2008	“DSC Study of the Effect of Gamma Irradiation on a polymer Electrolyte”	Solid State Ionics: New materials for pollution free energy	pg. 543	Pradyot Nanda, T. R. Middya,	

			devices, ed. B V R Chowdari et al. (Macmillan India, Delhi,		U. De, S. Tarafdar	
6.	2024	INFLUENCE OF GAMMA IRRADIATION ON THE PROPERTIES OF NH ₄ CLO ₄ -IRRADIATION EFFECTS ON STRUCTURAL, MICROSTRUCTURAL AND ELECTROCHEMICAL PROPERTIES OF POLYMER [Please see Page:]	METSZET Journal (SCOPUS)	Vol. 9, Issue. 4, article number 14	Pradyot Nanda	YES, IF: 0.025
7.	2024	DSC STUDY OF THE EFFECT OF GAMMA IRRADIATION ON A POLYMER ELECTROLYTE [Please see Page:]	METSZET Journal (SCOPUS)	Vol. 9, Issue. 4, article number 15	Pradyot Nanda	YES, IF: 0.025
8.	2020	Mahabiswer khosra [Please see Page:]	Ebong Mahua Journal (U.G.C.-CARE-List)	Vol. 116. article number 43, January 2020	Pradyot Nanda	

PUBLICATION: BOOKS:

Sl No.	Year/ Month	Book Title	Editor/Author	Publisher	ISSN/ ISBN No.
1.	Dec. 2020	Gangarampur College Academic Series	Editor	Readers Service	2349-7629,

PUBLICATION: BOOK CHAPTERS:

SI No.	Year/ Month	Book Title	Chapter Title	Editor/ Author	Publisher	ISSN/ ISBN No.
1.	Nov. 2014	Gangarampur College Academic Series	Thermal Transitions and the Orientation of the Molecules and Ion Conductivity Enhancement on Polymer Electrolytes Exposed to different doses of Gamma Irradiation.	Author	Readers Service	ISSN 2349-7629,
2.	Dec. 2020	Gangarampur College Academic Series, ed. Pradyot Nanda	Variation in Ion Conductivity of PEO-NH ₄ ClO ₄ with Varying Salt Fraction on Exposed to Gamma Radiation of Different Doses”	Author	Readers Service	ISSN 2349-7629,
3.	Vol. 1, article page no. 17-28 and year of publication January 2024 [Please see Page:]	LAP LAMBERT Academic Publishing	Irradiation effects on physical and chemical properties of polymer electrolytes	Author	LAP LAMBERT	ISBN:978-620-7-47502-5

5. ORAL/POSTER PRESENTATION(S):

SI No.	Date	Title	Title of Conference	Organised By
1.	4 th April 2019	Presentation on “Conductivity Enhancement in Polymer Electrolytes of different compositions on	National Conference on Atomic, Molecular and Nano Sciences	Aliah University, New town, Kolkata

		Gamma Irradiation”		
2.	19 th March 2019	Oral Presentation on “Application of Nano Science & Nano Technology in Photonics”	Recent Trends in Science	Department of Physics, Gangarampur College
3.	9-10 th March 2022	Oral Presentation on “Variation in Ion Conductivity of PEO-NH ₄ ClO ₄ with Varying Salt Fraction on Exposure to Gamma Radiation of Different Doses”	International Conference on Current Trends in Advanced Materials and their Applications for Societal Development	Dr. Harisingh Gour Vishwavidyalaya, Sagar, M.P
4.	8 th March 2022	Oral Presentation on “Conductivity Enhancement in Polymer Electrolytes of different compositions on Gamma Irradiation”	International Webinar on “Contribution of Women Sciences in Academia and Industry”	Ghatal Rabindra Satabarsiki Mahavidyala, Ghatal, Paschim Medinipur
5.	5 th March 2019	Recent Innovations in Science and Technology	“Agrarian Distress Direct Benefit Transfer”	Department of Economics and Commerce, Gangarampur College
6.	29 th March 2019	Recent Developments in the Field of Science	“ National Seminar on Mathematics An Essential Part of Research in the Field of Science, Technology and Management”	Department of Mathematics, Gangarampur College
7.	3 rd April 2019	The relationship between science and technology	“ National Seminar on Recent Innovations in Science and Technology for a Sustainable Environment	Department of Botany, Gangarampur College
8.	28 th March 2022	Participated in the “One day National Webinar to observe National Science Day”	“One day National Webinar to observe National Science Day”	Ghatal Rabindra Satabarsiki Mahavidyala, Ghatal, Paschim Medinipur

9.	9-10 th March 2022	Participated in the International Con- ference on Current Trends in Aadvanced Mate- rials and their Ap- plications for Societal Development	International Conference on Current Trends in Aadvanced Materials and their Applications for Societal Development	Dr. Harisingh Gour Vishwavidyalaya, Sagar,M.P
-----------	--------------------------	---	--	--

CONFERENCES/SEMINARS/SYMPOSIUM/WORKSHOPS ORGANIZED:

Sl No.	Start Date	End Date	Title	Organised By	Remarks/ Role
1.	19 th March2019	Application of Nano Science &Nano Technology in Photonics	Recent Trends in Science	Department of Physics, Gangarampur College	Convener