

DEPARTMENT OF PHYSICS
PROFILE OF TEACHING STAFFAS ON30-06-2025
Dr. DEBI BANERJEE

- Total Teaching Experience in this College:21 Years04 months
- Special Paper/Specialization in M.Sc.: Atomic and Molecular Physics

- (a) Full Name: Debi Banerjee
(b) Present Designation: Associate Professor in Physics
(c) Areas of Specialization: Atomic and Molecular Physics
(d) E-mail ID: debibanerjee.sdbic@gmail.com
(e) WhatsApp Number: 9433144808

(f) Academic Qualifications (From UG Onwards):

Sl. No.	University/College/Institution from which the Degree was obtained	Name of the Degree	Year of Obtaining Degree
1	Miranda House, University of Delhi	B. Sc. (Hons.) in Physics	1998
2	Jadavpur University	M. Sc. (Physics)	2000
3	Jadavpur University	Ph. D (Science)	2006

(g) Teaching Experiences:

Sl. No.	Name of the University/College/Institution	Period (i.e., From.....to
1	Shibpur Dinobundhoo Institution (College)	1 st March 2004 till date

(h) Research Experiences:

Sl. No.	Academic Session	Name of the University/College/Institution	Period (i.e., From.....to
1	2001-2006	Indian Association for the Cultivation of Science	2001-2006

(i) RC/OP/FIP/STC Attended:

Sl. No.	Academic Session	RC/OP/FIP/STC etc.	University/Institution	Period (i.e., From.....to	Online/Offline
1	2007-2008	UGC Sponsored Orientation Programme	University of Calcutta	18/07/2007 to 14/08/2007	Offline
2	2008-2009	UGC Sponsored Refresher Course in Physics	University of Calcutta	01/09/2008 to 20/09/2008	Offline
3	2010-2011	UGC Sponsored Refresher Course in Physics	University of Calcutta	05/07/2010 to 24/07/2010	Offline
4	2014-2015	UGC Sponsored Refresher Course in Physics	University of Calcutta	07/07/2014 to 26/07/2014	Offline

(j) Projects (Completed):

Sl. No.	Academic Session	Funding Agency (e.g., UGC-MRP, ICSSR, WBBB etc.)	Project Title	Grant Received(Rs.)	Date of Completion	UC Submitted on
1	2006-2009	UGC-Minor Research Project	Spectroscopic investigation on proton transfer reaction in nanocavities	100000	31 st March 2009	25/03/2009

NUMBER OF PUBLICATIONS & CONFERENCE/ SEMINARS

Sl. No.	Academic Session	Published Papers in National Journals (Number)	Published Papers in International Journals (Number)	Book published as Author (Number)	Book published as Editor (Number)	Articles/Chapters Published in Books (Number)	Conference/Seminar Volumes (Number)	Papers accepted/Presented in Conferences, Seminars, Workshops, Symposia (Number)	Invited Lectures and Chairmanships at National or International Conference/Seminar (Number)	News Paper Publications (Number)	Books Reviewed (Number)
1	2001-2002		1								
2	2002-2003	1	2								
3	2003-2004		1								
4	2004-2005		2								
5	2005-2006		1								
6	2006-2007		1								
7	2008-2009		1						1		
8	2008-2009		1								

DETAILED LIST OF PUBLICATIONS

(a) JOURNALS (National)

Sl. No.	Title with Page No.	Journal	ISSN No.	Whether peer-reviewed	Impact factor, if any.	No. of Co-Authors	Whether you are the sole author
1	"Ground and excited state interaction between luminol and ethylenetriothiocarbonate: a fluorescence quenching study", 41A (2002) 2456-2461	Indian J. Chem.	0376-4710	Yes	0.6	2	No

(b) JOURNALS (International)

Sl. No.	Title with Page No.	Journal	ISSN No.	Whether peer-reviewed.	Impact factor, if any.	No. of Co-Authors	Whether you are the sole author
1	"Photoinduced proton transfer in the excited singlet state of 3,7-dihydroxynaphthoic acid and solvent effect", 357 (2002) 450-456	Chem. Phys. Lett.	1873-4448	Yes	3.1	2	No
2	"Excited state complex formation between methyl glyoxal and some aromatic bio-molecules: a fluorescence quenching study", 59 (2003) 103-109	Spectrochim. Acta Part A	1386-1425	Yes	4.6	2	No
3	"Experimental and theoretical aspects of proton transfer reaction of 3-methyl-6-hydroxy-m-phthalic acid at room temperature and 77K", 118 (2003) 3154-3160	J. Chem. Phys.	1089-7690	Yes	3.1	4	No
4	"Interaction between methyl glyoxal and ascorbic acid: experimental and theoretical aspects", 60 (2004) 1523-1526	Spectrochim. Acta Part A	1386-1425	Yes	4.6	4	No
5	"Proton transfer reaction in 4-hydroxy-3-formyl benzoic acid in protic solvents at room temperature and 77K and some theoretical aspects", 61 (2005) 1271-1278	Spectrochim. Acta Part A	1386-1425	Yes	4.6	2	No
6	"Proton transfer reaction in 2-hydroxy-3-formyl benzoic acid at room temperature and 77K and some study on AM1 potential surfaces", 172(2005) 250-257	J. Photochem. Photobiol. A: Chem.	1873-2666	Yes	4.7	2	No
7	"Ground and excited state proton transfer reaction of salicylidine-3,4,7-methyl amine in micelles", 420 (2006) 316-320	Chem. Phys. Lett.	1873-4448	Yes	3.1	4	No
8	"Proton-transfer reaction of 4-methyl 2,6-diformyl phenol in cyclodextrin nanocage", 110 (2006) 12743-12751	J. Phys. Chem. A	1089-5639	Yes	2.8	2	No
9	"Effect of surfactant-perturbed nanocaging on the ground and excited state proton transfer reaction", 112 (2008) 12543-12549	J. Phys. Chem. A	1089-5639	Yes	2.8	4	No
10	"Nanopools governing proton transfer in diametrical ways in the ground and excited state", 113 (2009) 567-573	J. Phys. Chem. B	1520-6106	Yes	2.9	5	No

(c) BOOKS/BOOK CHAPTER

● Invited Lectures and Chairmanships at National or International Conference/Seminar

Sl. No.	Title of Lecture/Academic Session	Title of Conference/ Seminar	Organized by	Whether International/National
1	Effect of Surfactant Perturbed Nanocaging on Proton Transfer Reaction	Recent Advances in Spectroscopy: Theoretical, Astrophysical and Experimental Perspectives	Indian Institute of Astrophysics, Bangalore	International

MEMBERSHIP OF ACADEMIC/PROFESSIONAL BODIES/SOCIETIES

Sl.No.	Name of the Society/Association/Professional Bodies etc.
1	Life member of IACS, Kolkata