

DEPARTMENT CHEMISTRY

PROFILE OF TEACHING STAFF AS ON 30-06-2025

Smt. DUSHILA SUBBA

- Total Teaching Experience in this College: 1 Years 7 months
- Special Paper/Specialization in M.Sc.: INORGANIC CHEMISTRY

- (a) **Full Name:** DUSHILA SUBBA
 (b) **Present Designation:** ASSISTANT PROFESSOR
 (c) **Areas of Specialization:** INORGANIC CHEMISTRY
 (d) **E-mail ID:** dushilasubba23@gmail.com
 (e) **WhatsApp Number:** 7063533370

(f) Academic Qualifications (From UG Onwards):

Sl. No.	University/College/Institution from which the Degree was obtained	Name of the Degree e.g., M.A.	Year of Obtaining Degree
1	Visva-Bharati Central University	M.Sc.	2016
2	Visva-Bharati Central University	B.Ed.	2018

(g) Teaching Experiences:

Sl. No.	Name of the University/College/Institution	Period (i.e., From.....to
1	Shibpur Dinobundhoo Institution (college)	28/11/2023 to 30/6/2025

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

Sl. No.	Academic Session	RC/OP/FIP/STC etc.	University/Institution	Period (i.e., From.....to	Online/Offline
1	2024-25	FIP	Mizoram University	24 th April - 21 st May	online

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	2024-25		4			1		2			
2	2023-24		0			0		2			
3	2018-19		1			0		0			

DETAILED LIST OF PUBLICATIONS

(a) 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	The solubility of four DNA-RNA bases in the aqueous calcium nitrate at nine temperatures and the insights into the solution thermodynamics 419 (2025) 126729	Journal of Molecular Liquids	-	Yes	5.2	5	no
2	Solubility of L-Leucine in aqueous calcium nitrate and magnesium nitrate solvent systems at nine temperatures ranging from 278.15 to 318.15 K and the visions into the solvation thermodynamics 434 (2025) 128066	Journal of Molecular Liquids	-	Yes	5.2	5	no
3	The Solubility of Four DNA and RNA Bases at Five Different Temperatures in Aqueous Mixtures of Dipolar Aprotic Acetonitrile and the Insights into the Solvation Phenomena (2025) 54:683-703	Journal of Solution Chemistry	-	Yes	1.3	7	no
4	Evaluation and correlation of solubility and solvation energetics of DL-phenylalanine and DL-serine in water and aqueous ethylene glycol solutions (2018) 659-665	Journal of Molecular Liquids	-	Yes	5.2	6	no

5	Solubility of Four DL-Amino Acids at Nine Equidistant Temperatures in Aqueous Mixtures of Dipolar Aprotic N, N-Dimethylformamide and the Solution Thermodynamics 956-988 (2024)	Journal of Solution Chemistry	-	Yes	1.3	6	no
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(b) BOOKS/BOOK CHAPTER

● Conference/ Seminar Volumes

Sl. No.	Title with Page No.	Details of Conference Publication	ISSN/ ISBN	No. of co-authors	Whether you are The Sole author
1	The solubility of L-Lucine in aqueous solutions of magnesium nitrate and its associated solvation thermodynamics (Page no. 200)	Present scenario of chemistry- biology interface Research: issues and challenges	978-93-89476-47-7	5	no

● Papers accepted/ Presented in Conferences, Seminars, Workshops, Symposia

Sl. No.	Title of the Paper Presented	Title of Conference / Seminar	Organized by	Whether International /National/State/Regional/ College or University Level
1	Investigation of the Solubility of four DNA-RNA bases in the aqueous Calcium Nitrate media at nine equi-spaced temperatures and the insights into the solution thermodynamics	Innovation, Expansion, Impacts and Challenges in Chemical and Biological Sciences-2024	Surendranath College, Kolkata	International
2	Electrolytic Effect on the Solubility and Solvation Thermodynamics of Pyrimidine Bases in Aqueous Zinc Nitrate Zn(NO ₃) ₂ ·6H ₂ O Medium	Recent trends in chemistry and related disciplines	University of Burdwan	National
3	Electrolytic Effect on the Solubility and Solvation Thermodynamics of nucleobases of DNA and RNA in Aqueous Zinc Nitrate Medium	Chemistry for sustainability	University of North Bengal	National
4	Insights into the solvation phenomena of two nucleic acid bases in aqueous zinc nitrate binary solvent system	Recent advances in chemical sciences (RACS25)	Visva-Bharati Central University	International