

DEPARTMENT Botany

PROFILE OF TEACHING STAFF AS ON 30-06-2025

Dr. Chitrita Chatterjee

- Total Teaching Experience in this College: 11 Years 8 months
- Special Paper/Specialization in M.Sc. Plant Physiology, Biochemistry & Molecular Biology

- (a) **Full Name:** Dr. Chitrita Chatterjee
- (b) **Present Designation:** SACT-I
- (c) **Areas of Specialization:** Microbiology, Biochemistry, Plant Physiology, Bioinformatics
- (d) **E-mail ID:** chitrita87@gmail.com
- (e) **WhatsApp Number:** 9830935178

(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	University of Calcutta	B.Sc. (Hons)	2008
2	University of Calcutta	M.Sc.	2010
3	Presidency University, Kolkata	PhD	2021

(g) **Teaching Experiences:**

Sl. No.	Name of the University/College/Institution	Period
1	City College, Kolkata	From February 2014 to June 2018

(h) **Research Experiences:**

Sl. No.	Academic Session	Name of the University/College/Institution	Period (i.e., From 2014 to 2021)
1	2014-2015	Presidency University, Kolkata	

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	2012-13		1								
2	2014-15		1								
3	2018-19		1								
4	2021-22	1									
5	2023-24					1					
6	2015-16						1	1			
7	2016-17						1	1			
8	2017-18						1	1			
9	2018-19						2	2			
10	2022-23						1	1			

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	Isolation and characterization of heavy metal tolerant Gram-positive bacteria with bioremedial properties from municipal waste rich soil of Kestopur canal (Kolkata), West Bengal, India. 827-836.	Biologia, 67(5),		Yes	0.724	2	No
2	Genome-wide analysis and evolutionary study of sucrose non fermenting 1-related protein kinase 2 (SnRK2) in Arabidopsis and Oryza., 59-70.	Computational Biology and Chemistry, 49		Yes	3.1	3	No
3	Characterize heavy metal tolerant rhizospheric sewage bacteria isolated from Tolly nullah (with special emphasis on strain Microbacterium radiodurans K12016)., 84-95	IJESM. 7	2348-1269	Yes		2	No
4	A case study: Role of the sewage dwelling plant growth-inducing	Horizon, I(2) October					

	rhizospheric microbe in environmental heavy metal bioremediation with special accentuation on chromium", Pages 70-82.						
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(b) BOOKS/BOOK CHAPTER

• Articles/Chapters Published in Books

Sl. No.	Title with Page No.	Book Title, Editor, and Publisher	ISSN/ ISBN No.	Whether peer-reviewed	No. of co-authors	Whether you are The Sole author
1	Phytoremediation of Arsenic: An Overview, 172-193	Phytoremediation Potential of Medicinal and Aromatic Plants : A Bioeconomical Approach Edited By Amit Kumar, Kuldeep Baudh, Sudhakar Srivastava Taylor and Francis	9781003290780 (eISBN)	Yes	7	No

• 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	"Investment of plant growth promoting traits exhibited by heavy metal tolerant soil bacteria retrieved from Tolly Nullah (Kolkata)". PP-T13-15	International Conference on "The Green Planet: past, present and future" organized by Department of Botany, University of Calcutta; December 21-23, 2016		2	No
2	Isolation and partial characterization of heavy metal resistance sewage bacteria from tolly nullah and their potential in the plant growth promotion Poster No. 15	National Conference on Advances in Life Sciences organized by IISER, Kolkata; January 13-15, 2017		2	No
3	Isolation, Characterization and Genetic Study of heavy metal resistance sewage bacteria from Tolly Nullah and their potentiality in plant growth promotion Abstract Vol. pp. 34	UGC-CPE sponsored International Conference on Facets of Basic Science and Application (FBSA) organized by Bijoy Krishna Girls' College, Howrah; February 5-7, 2018		2	No
4	The Role of Heavy Metal Resistance Indole Producing Municipal Sewage Microbes in Plant Heavy Metal Absorption and Accumulation Abstract Vol. pg 108	6th India Biodiversity Meet (International Conference) organized by the Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata; February 14-16, 2019;		2	No
5	The Role of Municipal Sewage Microbes in Chromium Accumulation and Reduction Abstract Vol. pp. A9, Abstract No. AE-07	National Conference on Future India: Science and Technology jointly organized by City College, Kolkata and Indian Science Congress Association, Kolkata Chapter; February 27-28, 2019;		2	No
6	Role of <i>Bacillus xiamenensis</i> 26K018 in environmental chromium remediation and plant growth promotion Abstract Vol. pp. 91, Abstract No. OP 29	1st Botanical Congress (International meet) organized by Botanical Society of Bengal in collaboration with Department of Botany, University of Calcutta; March 23 to March 25, 2023			

• 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	"Investment of plant growth promoting traits exhibited by heavy metal tolerant soil bacteria retrieved from Tolly Nullah (Kolkata)".	International Conference on "The Green Planet: past, present and future" organized by Department of Botany, University of Calcutta; December 21-23, 2016	Department of Botany, University of Calcutta	International
2	Isolation and partial characterization of heavy metal resistance sewage bacteria from tolly nullah and their potential in the plant growth promotion	National Conference on Advances in Life Sciences organized by IISER, Kolkata; January 13-15, 2017	IISER, Kolkata	National
3	Isolation, Characterization and Genetic Study of heavy metal resistance sewage bacteria from Tolly Nullah and their potentiality in plant growth promotion	UGC-CPE sponsored International Conference on Facets of Basic Science and Application (FBSA); February 5-7, 2018	Bijoy Krishna Girls' College, Howrah	International
4	The Role of Heavy Metal Resistance Indole Producing Municipal Sewage Microbes in Plant Heavy Metal Absorption and Accumulation	6th India Biodiversity Meet (International Conference); February 14-16, 2019;	The Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata	International

5	The Role of Municipal Sewage Microbes in Chromium Accumulation and Reduction	National Conference on Future India: Science and Technology; February 27-28, 2019;	Jointly organized by City College, Kolkata and Indian Science Congress Association, Kolkata Chapter	National
6	Role of <i>Bacillus xiamenensis</i> 26K018 in environmental chromium remediation and plant growth promotion	1st Botanical Congress (International meet); March 23 to March 25, 2023	Botanical Society of Bengal In collaboration with Department of Botany, University of Calcutta	International

ASSOCIATION WITH UNIVERSITIES/ COMMISSION/ BOARD/ INSTITUTIONS FOR CONFIDENTIAL ASSIGNMENTS

Sl. No.	Name of Universities/ Commission/ Board/ Institutions etc.
1	Paper Setter & Examiner, University of Calcutta

AWARDS RECEIVED

Sl. No.	Academic Session	Name of the Award	Organization	Date of Obtaining Award	Whether International/ National / State / Regional / University/ College Level
1	2024-2025	Excellence in Teaching Award	Indian Society of Agriculture & Horticulture Research Development, Chandigarh	10 th February, 2025	International Level

MEMBERSHIP OF ACADEMIC/PROFESSIONAL BODIES/SOCIETIES

Sl. No.	Name of the Society/Association/Professional Bodies etc.
1	Botanical Society of Bengal