



# SANDIP DAS

Designation: Assistant Professor

## BRIEF

## CONTACT

DEPARTMENT: Botany

SCHOOL OF STUDIES: School of Sciences

DATE OF JOINING: 02/07/2018

ADDRESS: School of Sciences,  
Durgapur Regional Centre, NSOU,  
West Burdwan-713214

PHONE:

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## ACADEMIC QUALIFICATION

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M.Sc., B.ED.

## TEACHING EXPERIENCE

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**Netaji Subhas Open University, Asst. Professor of Botany**  
From 2018 onwards.

**Ananda Mohan College (University of Calcutta), Guest Lecturer of Botany**  
From 2015–Jun, 2018.

## AWARD AND FELLOWSHIP

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- ❖ RGNF-UGC (2016)
- ❖ PU JRF (2015)

## RESEARCH INTERESTS & EXPERIENCE

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- ❖ Phylogenetic Diversity of legume nodulating bacteria.
- ❖ Structural Characterization of Polysaccharide.
- ❖ Green Nanoparticles.

Experience: 9 years.

## ADMINISTRATIVE EXPERIENCE

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- ❖ Associated with UG Board of Studies (BOS) of Botany as an internal member, School of Sciences, Netaji Subhas Open University (2018 onwards).
- ❖ Treasurer of Centre for Propagation of Scientific Knowledge, School of Sciences, NSOU (2022 onwards).

## UG & PG TEACHING ASSIGNMENTS

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- ❖ Associated as **Paper setters, Moderators, Examiner and Head examiner** of UG Botany of School of Sciences, Netaji Subhas Open University.
- ❖ Associated as **SLM Writer and Format Editor** of UG Botany of School of Sciences, Netaji Subhas Open University.

## NO. OF CANDIDATE AWARDED/ REGISTERED FOR PH.D.

NIL.

## MEMBERSHIP OF DIFFERENT COMMITTEES

- ❖ **Treasurer** of CPSK, School of Sciences, NSOU (2022 onwards).
- ❖ **Convenor** of SLS\_LSc, School of Sciences, NSOU (2020 onwards).
- ❖ **Member** of Organizing Committee of the Workshop on 'A Capacity Building Approach to Laboratory Based Programmes in ODL Mode' (2022).
- ❖ **Member** of Organizing Committee of the Workshop on Preparation of Self Learning Materials of UG Mathematics under CBCS at NSOU (2019).

## MEMBERSHIP OF PROFESSIONAL BODIES

- ❖ **Reviewer** of Current Microbiology, Springer.
- ❖ **Reviewer** of CRC Press -Taylor & Francis Group.

## ELIGIBILITY TEST CLEARED (NET/SET/GATE etc.):

Sl. No.	Details
1	NET-CSIR-UGC (2017)
2	SET-WBCSC (2015)
3	GATE (2014,2016,2017 & 2018)
4	RET-Presidency University (2013)

## CO-CURRICULAR ACTIVITIES/ EXPERIENCE

Sl. No.	Details
1	Associated with Anindya Yoga Society, Kolkata as Yoga Instructor. Experience: (2018 onwards)

## RESEARCH PROJECTS:

Sl. No.	Name of the Project	Funding Agency	Period	Grant Mobilized	Outcome
1.	Isolation of exopolysaccharide (a natural biopolymer) producing legume nodulating bacteria from different agroclimatic regions of West Bengal and physico-chemical analysis of the biopolymer	NSOU	1 year	1 Lac.	Ongoing

## DETAILS OF PUBLICATIONS (BOOKS/ EDITED VOLUME / RESEARCH PAPERS/REVIEW): [Last 10 Year]

Sl. No.	Title of the paper vol. No., Issue No., Page No, Year	Publisher	Year of publication	ISSN/ ISBN
1	Islam, Md Majharul, Biraj Sarkar, Pulak Kumar Maiti, <b>Sandip Das</b> , Paulami Dam, Rittick Mondal, Trishanjan Biswas et al. "Draft Genome Sequence of an Endophytic Micromonospora sp. Strain, ANENR4, Isolated from the Root of a Peanut Plant ( <i>Arachis hypogaea</i> )." <i>Microbiology Resource Announcements</i> 11, no. 11 (2022): e00655-22.	American Society of Microbiology	2022	ISSN: 2576098X
2	Meena, Khem Raj, Rajni Dhiman, Kailash Singh, Sachin Kumar, Abhishek Sharma, Shamsher S. Kanwar, Rittick Mondal, <b>Sandip Das</b> , Octavio L. Franco, and Amit Kumar Mandal. "Purification and identification of a surfactin biosurfactant and engine oil degradation	BMC-Springer-Nature	2021	ISSN: 1475-2859

	by <i>Bacillus velezensis</i> KLP2016." <i>Microbial Cell Factories</i> 20, no. 1 (2021): 1-12.			
3	Pradhan, Sayantan, Samrat Hore, Suman Kumar Maji, Simi Manna, Abhijit Maity, Pratip Kumar Kundu, Krishna Maity et al. "Study of epidemiological behaviour of malaria and its control in the Purulia district of West Bengal, India (2016–2020)." <i>Scientific reports</i> 12, no. 1 (2022): 1-11.	Nature	2019	ISSN: 2045-2322
4	Some, Sudip, Onur Bulut, Kinkar Biswas, Anoop Kumar, Anupam Roy, Ipsita Kumar Sen, Amitava Mandal et al. "Effect of feed supplementation with biosynthesized silver nanoparticles using leaf extract of <i>Morus indica</i> L. V1 on <i>Bombyx mori</i> L. (Lepidoptera: Bombycidae)." <i>Scientific reports</i> 9, no. 1 (2019): 1-13.	Nature	2019	ISSN: 2045-2322
5	<b>Das, Sandip</b> , Ipsita Kumar Sen, Ahmet Kati, Sudip Some, Amit Kumar Mandal, Syed Sirajul Islam, Rabindranath Bhattacharyya, and Aparna Mukhopadhyay. "Flocculating, emulsification and metal sorption properties of a partial characterized novel exopolysaccharide produced by <i>Rhizobium tropici</i> SRA1 isolated from <i>Psophocarpus tetragonolobus</i> (L) DC." <i>International Microbiology</i> 22, no. 1 (2019): 91-101.	Springer	2019	ISSN: 1139-6709
6	Rabindranath Bhattacharyya, <b>Sandip Das</b> , Raktim Bhattacharyya, Madhurima Chatterjee and Abhijit Dey, (2017) "Rhizobial Exopolysaccharides: A Novel Biopolymer for Legume- Rhizobia Symbiosis and Environmental Monitoring" In "Microbes for Legume Improvement", editors Almas Zaidi, Mohammad Saghir Khan and Javed Musarrat, Springer International Publishing AG, Cham. 119-133. eBook ISBN 978-3-319-59174-2.	Springer	2017	eBook ISBN 978-3-319-59174-2
7	Sandip Das and Rabindranath Bhattacharyya, (2016) "Potential Characteristic Features of Biofertilizers" In "Recent Trends in Biofertilizers", editors Prof. Bikas R. Pati and Dr. Santi M. Mandal, publisher I.K. International Publishing House Pvt. Ltd. New Delhi, INDIA. 240-250. ISBN: 978-93-84588-65-6.	I.K. International Publishing House Pvt. Ltd.	2016	ISBN: 978-93-84588-65-6.
8	Bhattacharyya, Rabindranath, <b>Sandip Das</b> and Tanusree Chandra."Toxicity of agrichemicals on growth and indole acetic acid production by a rhizobium sp." <i>Indian Biologist</i> 48(1) (2016): 7-12.	Indian association of biological sciences	2016	ISSN: 0302-7554
9	Bhattacharyya, Rabindranath, <b>Sandip Das</b> and Sharmiatha Basu."Bioproduction of indole acetic acid by a <i>Rhizobium</i> sp. in heavy metal stress condition". <i>J. Botan. Soc. Bengal</i> 69(2) (2015): 141-146	Botanical Society of Bengal	2015	ISSN: 0971-2976
10	Bhattacharyya, Rabindranath and <b>Sandip Das</b> ." Exopolysaccharide production by a rhizobium sp. From root nodules of <i>Phaseolus mungo</i> (L.) In heavy metal stress condition". <i>Indian Biologist</i> 47(1) (2015): 53-59.	Indian association of biological sciences	2015	ISSN: 0302-7554
11	Dr. Rabindranath Bhattacharyya, Sandip Das, Souryadeep Mukherjee and Abhijit Dey. (2014) "Antibacterial Effect of Rhizobial Exopolysaccharide Against Some Multidrug Resistance Human Pathogens." In "Utilization and Management of Medicinal Plants"- Vol. 2, editor V.K.Gupta, publisher M/S Daya Publication House, New Delhi. 415-419. ISBN: 9788170358756.	M/S Daya Publication House	2014	ISBN: 978-8-170-35875-6.

**PATENT / TECHNOLOGY TRANSFER / PRODUCT/PROCESS: (FOR SCIENCE:)**

Sl. No.	Details of the Patent / Technology transfer / Product/Process	Date and year of acceptance of the Patent / Technologytransfer / Product/Process	National/International
1	BIOGENIC AG NANOPARTICULATE SYSTEM INVOLVING MORUS INDICA L. V1 LEAF EXTRACT AND IT'S METHOD OF MANUFACTURE	26/04/2019	National

**PAPERS PRESENTED AT SEMINARS, CONFERENCES, WORKSHOPS, ETC.: [Last 10 Year]**

Sl. No.	Title of Paper/ Lecture	Organizing Institute	Conference, Seminar, workshop etc	Role (Paper presenter/ invited talk/ chairperson)	International (Within Country)/ International (Abroad)/National
1	Narisodhan pranayam: an option for stress free life through cardiac function improvement	ICNDSPEYS	Conference (2020)	Paper Presenter	International
2	Bioproduction of Ascorbic Acid by a <i>Rhizobium sp.</i> Isolated From The Root Nodules Of <i>Sesbania cannabina (Wild.) Pers.</i> In Heavy Metal Stress Condition	Sambalpur University, Sambalpur, Odisha	Conference (2014)	Paper presenter	National

**PROGRAMMES COORDINATED/ ORGANISED AS CONVENER / ORGANISING SECRETARY AT NETAJI SUBHAS OPEN UNIVERSITY: [Last 5 Year]**

Sl. No.	Programme Name	Sponsored by	Period
1	Convener of Special lecture Series in Life Science (SLS-LSc, NSOU)	NSOU	2020 (Phase -I, II and III)

**TUTORIALS / PRACTICAL / PROJECT SUPERVISION & FIELD WORK: [Last 5 Year]**

Sl. No.	Type of Work	Related Programme	Year
1	Centre-In-Charge cum Internal Counsellor and Examiner	Practical_LCES-2022-Phase 1-CC-BT-01	2022
2	Centre-In-Charge cum Internal Counsellor and Examiner	Practical_LCES-2022-Phase 2-SBT 3	2022
3	AVL	BDP_EBT 13 & 14	2021
4	Centre-In-Charge cum Internal Counsellor and Examiner	Practical_LCES-2019- Phase 1-EBT 4	2019
5	Centre-In-Charge cum Internal Counsellor and Examiner	Practical_LCES-2019- Phase 2-SBT 3	2019

**Declaration:**

I hereby declare that all the statements made above and information given are true to the best of my knowledge and belief.



Signature  
Date: 25.11.2022