Curriculum Vitae

Name: Dr. Sandip Bandopadhyay

Designation: Assistant Professor (WBES)

Highest qualification: Ph.D.

Contact details/ Office address: Department of Microbiology, Darjeeling Government College, Darjeeling, West Bengal

Vidwan ID: 499321

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Date of joining to this institution: 03.01.2025

Date of joining W.B.E.S.: 02.12.2006

Previous position(s) held:

i) Assistant Professor (WBES), PG Department of Microbiology, Bidhannagar College, Kolkata (from 02.12.2006 to 02.01.2025)

ii) Full-time Lecturer, PG Department of Microbiology, Barrackpore Rastraguru Surendranath College, Kolkata (from 09.02.2004 to 01.12.2006)

Teaching experience in years & months: 18 years 4 months

Awards, Recognition and Honours:

i) Awarded Ph.D. (Life Science & Biotechnology) from Jadavpur University (2014), ii) Awarded fellowship for Joint CSIR-UGC NET (2004), iii) Received certificate of Excellence in Reviewing the Journal of Advances in Biology & Biotechnology (2022), iv) Honoured as valued reviewer of journals from Bioinfo Publications, India (2015), v) Recognized as member in the organizing committee of Higher Education sector in the Bengal Global Business Summit (BGBS – 2023)

Courses taught: Recombinant DNA technology, Metagenomic study of microbes, Boifertilizer and its application for sustainable agriculture & development, Industrial Microbiology, Biomathematics & Biostatistics

Research area/ interest: Boifertilizer and its field application, Industrial application of microbes, Metagenomic study of microbes

Number of Publications- 13
***Peer reviewed journals: 9**
***Conference proceedings: 4**
***Chapters in books: 0**

Detailed list of publications:

i. **Sandip Bandopadhyay** Application of Plant Growth Promoting *Bacillus thuringiensis* as biofertilizer in *Abelmoschus esculentus* Plants Under Field Condition*, J. Pure Appl. Microbiol.,* 14(2), 1287 — 1294, **(2020)**

ii. **Sandip Bandopadhyay** Optimization of Biofertilizer production and its application in Plants using pot culture technique, *J. Pure Appl. Microbiol.* 13(4), 2159 — 2167 **(2019)**

iii. **Sandip Bandopadhyay** Purification and characterization of thermostable alpha amylase isolated from immobilized cells of *Bacillus thuringiensis, Asian J. Microbiol. Biotech. Env. Sc.* 20, s175 - s181 **(2018)**

iv. **Sandip Bandopadhyay** Whole cell immobilization of thermostable alpha amylase from phosphate solubilizing *Bacillus thuringiensis* A5 BRSC, Ind. J. Microbiol. Res. 5(2), 12 -18 **(2018)**

v. **Sandip Bandopadhyay** effect of Dual Inoculation of Plant Growth Promoting Rhizobacteria on Different Non-leguminous Plants Under Pot Condition, *Indian J. Microbiol. Res.*, 2(1), 20 – 26, **(2015)**

vi. **Sandip Bandopadhyay, Swati R. Gangopadhyay** Studies on the effect of biofertilizer comprising of the plant growth promoting rhizobacteria *Bacillus thuringiensis* on different types of plants, *Prajnan o Sadhona,* 72 -85, **(2015)**

vii. **Bandopadhyay Sandip**, Pal Subrata, and Gangopadhyay Swati R., Fermentative production of thermostable α-amylase from phosphate solubilizing *Bacillus* thuringiensis using solid substrates: purification & characterization of the enzyme, *Res. J. Biotechnol*., 8(10), 42-49, **(2013)**

viii. **Bandopadhyay Sandip**, Pal Subrata, and Gangopadhyay Swati R., Isolation and characterization of plant growth promoting *Bacillus thuringiensis* from agricultural soil of West Bengal, *Res. J. Biotechnol*., 6(2), 9-13**(2011)**

ix. Sandhimita Mondal, Abhijit Poddar, **Sandip Bandopadhyay,** and Aparna Sen, Isolation and partial characterization of a free living nitrogen fixing bacteria with phosphate solubilizing and salt tolerant properties from soil collected from coastal area of West Bengal, *Indian Biologist*, 40(2), 1-6, **(2008)**

x. Swati Roy Gangopadhyay, Subrata Pal, and **Sandip Bandopadhyay,** Effect of different carbon sources and nitrate ion on phosphate solubilization of *Bacillus thuringiensis*, *Indian Biologist*, Special vol., 169 — 172 **(2010) [Conference proceedings]**

xi. **Sandip Bandopadhyay,** Subrata Pal, and Swati Roy Gangopadhyay, Isolation and partial characterization of phosphate solubilizing , multiple antibiotic and heavy metal resistant

bacteria from agricultural field of West Bengal, *Indian Biologist*, Special vol., 173 — 178 **(2010) [Conference proceedings]**

xii. Sandip Bandopadhyay, Plant Growth Promoting Rhizobacteria as biofertilizer: An alternative tool for sustainable agriculture, Proceedings on UGC sponsored National Seminar on Recent Advances in Microbiology & Biotechnology, 51 – 56 **(2012)**

xiii. Sandip Bandopadhyay, Biocolours, Environews (Newsletter), 2- 3 **(2023)**

Google Scholar link: N/A
Research Gate link: N/A
ORCID ID: **0000-0003-2288-6554**

Participation in Workshops/ Training programme/ Certificate course:

i. Refresher Course in Advances of Biotechnology in Food & Fermentation organized by UGC Academic Staff College, Jadavpur University on 01/07/2011 - 21/07/2011
ii. Orientation Programme, organized by UGC Academic Staff College, Jadavpur University on 11/11/2013 - 09/12/2013
iii. Refresher Course in Tea science organized by UGC-HRDC, North Bengal University on 14/11/2018 - 04/12/2018
iv. UGC-HRDC sponsored workshop on MOOCs, e-content Development and Open Educational Resources on 04.02.2020 – 10.02.2020
v. Short-term Course on Value-based Education organized by UGC-HRDC, Aligarh Muslim University on 04.08.2021 – 10.08.2021
vi. One day Workshop on Introduction of CBCS in Microbiology at the Under Graduate Level, organized by the Department of Microbiology, West Bengal State University on 18.05.2018
vii. One day Workshop on Hands on training of NAAC Methodology and Preparation, Sponsored by the Department of Higher Education, Government of West Bengal and Hiralal Mazumdar Memorial College for Women, Kolkata on 11.01.2024