Dr. Pritam Chattopadhyay

Assistant Professor of Botany,
M.U.C. Women's College, Burdwan – 713104, West Bengal, India

Permanent Address: South-East Kumle Pukur, Sonatore Para, Siuri, - 731101, Birbhum, W.B., India
Date of Birth: 8th Dec., 1983
E-mail ID: pritam.biotechnol@gmail.com website: www.drpritam.com
Phone: +91 7001009127

CARRIER INFOGRAPHICS

2024

Guest Teacher on Bioinformatics
M.Sc. Botany
Hooghly Mohasin College

2022

Establish a Startup: PritMit Biotech Pvt. Ltd.

2021

BIG from BIRAC
BIRAC/KIIT0813/BIG-15/19
Incubated at NIPER, Guwahati

Assistant Professor of Botany
M.U.C. Women's College
University of Burdwan

2019

WBCSC Botany 2018

2018

Topper in the Merit List

Post Doc 2: Dr. DS Kothari PDF
Department of Biotechnology
Gauhati University

2015

Post Doc 1: CSIR RA
Department of Zoology
University of Delhi

2014

Ph.D. Awarded (79.30% in Course Work)
Department of Botany
Visva-Bharati

2013

CSIR SRF
Department of Botany
Visva-Bharati

2010

CSIR JRF
Department of Botany
Visva-Bharati

UGC-CSIR NET (June, Roll No. 320339)

2007

BITP sponsored by BCIL, DBT
Ajay Biotech (I) Ltd., Pune

UGC-CSIR NET (December, Roll No. 313644)

2006

M.Sc. Biotechnology (Sponsored by DBT)
First Class First (72.50%)
Visva-Bharati

B.Sc. Life Science (H) Botany (Major)

2004

First Class Third (70.00%)
Visva-Bharati

Academic Identity

- Orcid Id: 0000-0003-0238-5680
- Scopus Id: 24823937000
- Researcher Id: F-6196-2013
- Google Scholar Id: QbffhDwAAAAJ
- Vidwan Id: 196600

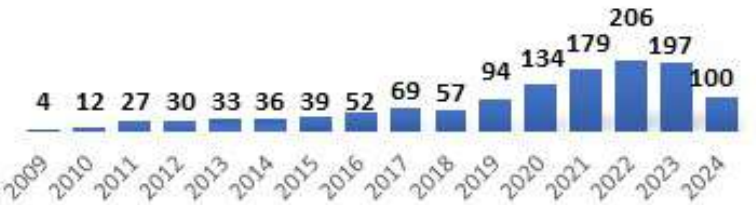
Area of Research Interests

- Bio-process Engineering (No. of process developed: 03)
- Biotic-abiotic Interactions (No. of publication: 10)
- Molecular Markers (No. of publication: 05)
- Bioinformatics (No. of publication: 06)
- Herbal Product Development (No. of product developed: 12; Marked by PritMit Biotech Pvt. Ltd)

Publication Indices

- Total No. of Academic Paper: 32; Book Chapter: 05; Book: 05
- Total No. of Paper with NAAS Score>6: 15
- Total No. of Citations: 1281
- Cumulative Impact Factor: 57.04
- H Index: 16 (Google Scholar 05.06.24)
- i10 Index: 21 (Google Scholar 05.06.24)

No. of Citations per Year
(Google Scholar)



Collaborations

International | National | Industry

University of Illinois Urbana-Champaign | The University of Burdwan | PritMit

Kyung Hee University | University of Delhi | Green Biotech EcoSolutions

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Phone: +91 7001009127

PROFESSIONAL EXPERIENCE

Teaching Experience

- Five Years (19 August, 2019 to till date) as Assistant Professor of Botany in M.U.C. Women's College, Purba-Bardhaman Teaching Undergraduate Botany Students
- Two Years (2022) as guest teacher on Bioinformatics for in Hooghly Mohasin College, Hooghly, teaching M.Sc. Botany
- Teaches Bioinformatics (1st July, 2021 to 10th July, 2021) on Faculty Exchange Programme at Bejoy Narayan Mahavidyalaya, Hooghly, teaching Undergraduate Nutrition Students

Course Developed

- Developed and Conducted an Add-on Course on "Bioinformatics" approved by The University of Burdwan
- Developed and Conducted Jointly with Dr, Sunita Bandyopadhyay Mukhopadhyay, an Add-on Course on "Industrial & Environmental Microbiology" approved by The University of Burdwan

TEACHING SUBJECTS

B.U. B.Sc. Botany NEP

Odd Sem.	Even Sem.
CC_BOTN1011_Plant Diversity & Evolution: Unit 1-3 SEC_BOTN1051_Biofertilizer: Unit 1-2, 5	CC_BOTN2011_Biomolecules & Cell Biology: Unit 2 & 4; SEC_BOTN2051_Organic Cultivation And Protected Agriculture: Unit 2-3

B.U. M.Sc. Botany CBCS

MSBO 402: Bioinformatics

B.U. B.Sc. (H.) Botany CBCS

Odd Sem.	Even Sem.
CCI_Microbiology & Phycology: Unit 1-4; CCV_Plant Ecology & Phytogeography: Unit 1-5; SECI_Agricultural Botany: Unit 3; CCXI_Plant Physiology: Unit 3&5; CCXII_Plant Metabolism; Unit 3- 5; DSEII_Bioinformatics: All Units	CCIII_Mycology & Phytopatho: Unit 7-9; CCX_Mol Biol: Unit 4&6; CCXIII_Genetics & Plant Breeding: Unit 3,9,&10; CCXIV_Plant Biotechnol: Unit 3&5; DSEIII_Plant Evo & Div: Unit 2-3; DSEIV_Industrial Mirobio: Unit 2-4

Add-on Course Developed

Add-on course "Bioinformatics" Approved by DCT, Depart of Botany on 10.03.2023

Add-on course "Industrial & Environmental Microbiology" Approved by DCT, Depart of Botany on 10.03.2023

On-line Teaching Modules Developed

- www.drpritam.com

  Complete course modules are developed for the students for B.Sc. And M.Sc. in Botany under the University of Burdwan
  All students can access their study material on-line free after login into the students section of the website

- https://www.youtube.com/channel/UCZwyNv4mfwt7G_w4Uy_mZtQ

  A dedicated YouTube channel was opened for students where recorded classes were uploaded time to time

Faculty Development Programme Attended

- Participation in the **NEP 2020 Orientation & Sensitization Programme-4** under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by The University of Burdwan, 3rd June 2024 to 12th June 2024.
- Participation in the **Refresher Course in Research Methods and Online Pedagogy** organized by HRDC, The University of Burdwan, 31st January-13th February, 2023.
- Participation in the **Orientation Programme** organized by HRDC, The University of Mumbai, 18th January-8th February, 2021.

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PROFESSIONAL EXPERIENCE

Research Experience

Independent Research 1

➢ "Scale-up of Nature Identical Vanillin Production from Biotransformation of Agro-waste(s)"

Sponsored by BIG from BIRAC
Incubated at Bio-NEST NIPER-Guwahati
Student: Adity Pal

Research Outcome
Two process was developed:
1. Nature Identical Vanillin Production
2. Natural Ferulic Acid Production

Post Doc. 2

➢ "Studies on type III secretion system (T3SS) on virulence determinants of symbiotic and pathogenic bacteria"

Dr. D.S. Kothari Fellow
Department of Biotechnology, University of Gauhati
Mentor: Prof. Pratap J. Handique

Research Outcome
Three paper was published
All the paper have NAAS Score >6
Cumulative Impact Factor 09

Post Doc. 1

➢ "Regulation of heat shock proteins in *Drosophila melanogaster* populations simultaneously selected for faster pre-adult development and late reproduction"

CSIR R.A.
Department of Zoology, The University of Delhi
Mentor: Prof. Mallikarjun Shakard

Research Outcome
Cloning and expression of two HSP gene

Ph.D.

➢ "Assessment of Genetic Diversity at Inter- and Intra-specific Levels of the Genus *Dendrobium* Swartz (Orchidaceae) through Morphometric, Micro-morphometric and Molecular Markers"

CSIR S.R.F. & CSIR J.R.F.
Department of Botany, Visva-Bharati
Mentor: Prof. Nirmalya Banerjee

Research Outcome
Barcoding was done for 25 Indigenous sp.
Drawbacks of rbcL based barcoding was rep.
Five paper was published

M.Sc.

➢ "Apoptotic death of *Aeromonas hydrophila* infected Macrophages of Swiss Albino Mice"

DBT Sponsored Course Curriculum
Department of Zoology, Visva-Bharati
Mentor: Prof. Shibnath Mazumder

Research Outcome
Collaborate with NICED Kolkata
TEM of 150 samples were carried out
Published one paper & one book

B.Sc.

➢ "Study of Microbiological Properties of Some Important Drinking Water Sources of Visva-Bharati"

B.Sc. Course Curriculum
Department of Botany, Visva-Bharati
Mentor: Prof. Narayan C. Mandal

Research Outcome
Potency of all drinking water sources of the University was checked
Report was submitted to take proper action

Grant Received

➢ "Scale-up of Nature Identical Vanillin Production from Biotransformation of Agro-waste(s)"

Biotechnology Ignition Grant (BIG) Scheme from Biotechnology Industry Research Assistance Council (BIRAC); Grant No. BIRAC/KIIT0813/BIG=15/19
Incubated at Bio-NEST NIPER-Guwahati (15.02.2021 to 05.11.2022)
Sanctioned Budget: 50 Lakh

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PROFESSIONAL EXPERIENCE

Industrial Experience

Founder of Start-up

- **PritMit Biotech Private Limited**
  - **Website:** www.pritmit.com
  - **CIN:** U15549WB2022PTC253850
  - **Start-up India Certificate No.:** DIPP135803
  - **Registered Office:** Gurupally (Dakshin), Santiniketan 731235 Birbhum, West Bengal, India
  - **Founder & Chief Consultant:** Dr. Pritam Chattopadhyay
  - **Director(s):** Mrs. Tarpana Mukherjee & Mr. Nikhil Mukherjee

Transfer of IPR

- **Afepsima**
  - **Trade Mark No.:** 5064292 Dt. 28.07.2021 J.No. 2013 (Class 30)
  - **Trade Mark Registered For:** 12 Herbal Tea (Formulation Trade Secret)
  - **Original owner:** Dr. Pritam Chattopadhyay
  - **Trade mark transferred to:** PritMit Biotech Private Limited

Acting as Consultant

- **Green Biotech Eco Solutions**
  - **Registered Office:** Lamsang, Manipur
  - **Consultancy Provided For:** BIRAC Project
- **CNCB Academy of Science and Technology**
  - **Registered Office:** Patuari, Odisha
  - **Consultancy Provided For:** AKRUTI Project

Industrial Training

- **Ajay Biotech (India) Ltd.**
  - **Registered Office:** Tara Icon, Wakdewadi, Pune – 411 003
  - **Designation:** BITP Fellow (2006-2007)
  - **Sponsored by:** DBT, Government of India
  - **Organized by:** Biotech Consortium India Limited (BCIL)
  - **Project:** "Product Development and Bioefficacy study on Biofertilizer and Biopesticide"
  - **Mentor:** Mr. N.A. Rao

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PROFESSIONAL EXPERIENCE

Academic Leadership

Convenor

- M.U.C.W.C. Data Committee (2023-2024)
- M.U.C.W.C. Website & IT Committee (2021-2022; 2022-2023; 2023-2024)
- M.U.C.W.C. NAAC Sub-committee: Criteria 3 (Research & Development) (2022-2023; 2023-2024)

Nodal-officer

- West Bengal Higher Education Portal (Banglar Uchho-siksha Portal)
- West Bengal Student's Credit Card (SCC) Portal
- Students Profile Portal

Editorial/Reviewer Board Member

- **Editorial/Review member:**
  - The Journal of Biochemistry (**JBC**). Oxford University Press. ISSN: 0021-924X
  - Reviews in Environmental Science and Bio/Technology (**RESB**). Springer, ISSN: 1569-17
  - Vegetos (**VTOS**). Springer. ISSN: 2229-4473
- **Review metrics:**
  - **Verified review (Publons): 08**
  - **Review to publication ratio (Publons): 1:0.3**

Academic Society member

- "Life member" of Association of Microbiologists of India (ID: **AMI 5/2011**)
- "Quarterly Franklin Membership" from London Journals Press (ID: **KN71202**)

Awards/ Recognition

- Winner of **Young Researcher Award 2023** for the publication "**Chattopadhyay, P.**, Banerjee, G. and Sen, S.K., 2018. Cleaner production of vanillin through biotransformation of ferulic acid esters from agroresidue by *Streptomyces sannanensis*. *Journal of Cleaner Production*, *182*, pp.272-279. ISSN: 0959-6526" by InSc Institute of Scholars, 4th March, 2023.
- Winner of **Best Researcher Award 2021** in the International Scientist Awards on Engineering, Science and Medicine, by VDGOOD Professional Association, India on 28-29th Aug., 2021 in Trivandrum, India.

Resource Person

- Delivered Invited Lecture on "**Metagenomics: A State of the Art Tool for Exploring Microbiome Dynamics for Improving Sustainable Agriculture**" at one week Faculty Development Programme on "Next Generation Sequencing" organized by Department of Biotechnology, Haldia Institute of Technology, 6-11 May, 2024.
- Delivered Invited Lecture on "**BIG Innovation Grant**" organized by RISE Foundation, IISER Kolkata, at Kalyani University, 18th January, 2024.
- Delivered Invited Lecture on "**Alternative & Sustainable Use of Mushroom**" at the Workshop on "Mushroom Cultivation" jointly organized by Binoy Krishna Choudhury Rural Technology Centre (BKCRTC) and Centre for Innovation Entrepreneurship and Skill Development (CIESD), The University of Burdwan, 18-20 July, 2023.

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PUBLISHED JOURNAL PAPERS

Sl. No.	Publication Details	Publisher	NAAS Score	Impact Factor (Clarivate Analytics)	Citation (Google Scholar)
1.	Bhattacharyya, A., Banerjee, G. and **Chattopadhyay, P.***, 2024. Probable Role of Type IV Pili of *Aeromonas hydrophila* in Human Pathogenicity. *Pathogens*, *13*(5), p.365. ISSN: 2076-0817 https://doi.org/10.3390/pathogens13050365	**MDPI**	9.70	3.30	---
2.	**Chattopadhyay, P.**, Banerjee, G. and Handique, P.J.*, 2022, Use of an abscisic acid- producing *Bradyrhizobium japonicum* isolate as biocontrol agent against bacterial wilt disease caused by *Ralstonia solanacearum*. *Journal of Plant Disease & Protection*. ISSN: 1861-3829 https://doi.org/10.1007/s41348-022-00604-9	**Springer**	7.93	2.20	016
3.	Banerjee, G., Quan F.S., Mondal, A.K., Sur, S., Banerjee, P., and **Chattopadhyay P.***, 2022. Interrelation between Stress Management and Secretion Systems of *Ralstonia solanacearum*: An In Silico Assessment. *Pathogens*, 11, p730. 2076-0817 https://doi.org/10.3390/pathogens11070730	**MDPI**	9.70	3.30	002
4.	Banerjee, G., Basak, S., Roy, T. and **Chattopadhyay, P.***, 2019. Intrinsic role of bacterial secretion systems in phylogenetic niche conservation of *Bradyrhizobium*. *FEMS Microbiology Ecology*. *95* (1),fz165. ISSN: 0168-6496 https://doi.org/10.1093/femsec/fiz165	**Oxford University Press**	10.20	3.50	004
5.	**Chattopadhyay, P.** and Banerjee, G., 2019. Corticosteroid Catabolism by *Klebsiella pneumoniae* as a Possible Mechanism for Increased Pneumonia Risk. *Current Pharmaceutical Biotechnology, 20*, pp.309-316. ISSN: 1389-2010 10.2174/1389201020666190313153841	**Bentham Science**	8.80	2.20	003
6.	Banerjee, G. and **Chattopadhyay, P.***, 2019. Vanillin biotechnology: the perspectives and future. *Journal of the Science of Food and Agriculture*, *99*(2), pp.499-506. ISSN: 0022-5142 https://doi.org/10.1002/JSFA.9303	**Wiley**	10.10	4.94	241
7.	**Chattopadhyay, P.**, Banerjee, G. and Sen, S.K., 2018. Cleaner production of vanillin through biotransformation of ferulic acid esters from agroresidue by *Streptomyces sannanensis*. *Journal of Cleaner Production*, *182*, pp.272-279. ISSN: 0959-6526 https://doi.org/10.1016/J.JCLEPRO.2018.02.043	**Elsevier**	17.10	9.70	070
8.	**Chattopadhyay, P.** and Banerjee, G., 2018. Recent advancement on chemical arsenal of Bt toxin and its application in pest management system in agricultural field. *3 Biotech*, *8*(4), p.201. ISSN: 2190-572X https://doi.org/10.1007/S13205-018-1223-1	**Springer**	8.80	2.90	032
9.	Banerjee, G., Gorthi, S. and **Chattopadhyay, P.***, 2018, Beneficial effects of bio-controlling agent *Bacillus cereus* IB311 on the agricultural crop production and its biomass optimization through response surface methodology. *Anais da Academia Brasileira de Ciências* 90, pp.2149-2159. ISSN: 1678-2690 https://doi.org/10.1590/0001-3765201720170362	**SciELO**	---	1.30	021

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Sl. No.	Publication Details	Publisher	NAAS Score	Impact Factor (Clarivate Analytics)	Citation (Google Scholar)
10.	Saikia, D.J., **Chattopadhyay, P.**, Banerjee, G., Talukdar, B. and Sarma, D., 2018. Identification and Pathogenicity of *Pseudomonas aeruginosa* DJ1990 on Tail and Fin Rot Disease in Spotted Snakehead. *Journal of the World Aquaculture Society*, *49*(4), pp.703-714. ISSN: 0893-8849 https://doi.org/10.1111/JWAS.12476	**Wiley**	8.80	3.40	008
11.	**Chattopadhyay, P.**, and Handique PJ., 2017. Biotechnological targets and improvement in the genus Dendrobium Sw. (family Orchidaceae): A Review. Journal of Advanced Plant Sciences 2017. 9(2): 1-9. ISSN: 0971-9350	**Botanical Society of Assam**	---	---	---
12.	**Chattopadhyay, P.**, Banerjee, G. and Banerjee, N., 2017. Distinguishing orchid species by DNA barcoding: increasing the resolution of population studies in plant biology. *Omics - A journal of integrative biology*, *21*(12), pp.711-720. ISSN: 1536-2310 https://doi.org/10.1089/OMI.2017.0131	**Mary Ann Liebert**	9.30	2.20	020
13.	**Chattopadhyay, P.**, Banerjee, G. and Mukherjee, S., 2017. Recent trends of modern bacterial insecticides for pest control practice in integrated crop management system. *3 Biotech*, *7*(1), p.60. ISSN: 2190-572X https://doi.org/10.1007/S13205-017-0717-6.	**Springer**	8.80	2.90	---
14.	Kulkarni, M., Gorthi, S., Banerjee, G. and **Chattopadhyay, P.***, 2017, Production, characterization and optimization of actinomycin D from *Streptomyces hydrogenans* IB310, an antagonistic bacterium against Phytopathogens. *Biocatalysis and Agricultural Biotechnology* 10, pp.69–74. ISSN: 1878-8181 https://doi.org/10.1016/j.bcab.2017.02.009	**Elsevier**	---	3.40	027
15.	Saikia, D.J., **Chattopadhyay, P.**, Banerjee, G. and Sarma, D., 2017. Time and dose dependent effect of *Pseudomonas aeruginosa* infection on the scales of *Channa punctata* (Bloch) through light and electron microscopy. *Turkish Journal of Fisheries and Aquatic Sciences*, *17*(5), pp.871-876. ISSN: 1303-2712 https://doi.org/10.4194/1303-2712-V17503	**Central Fisheries Research Institute of Türkiye**	7.30	1.50	014
16.	Goswami, R., **Chattopadhyay, P.**, Shome, A., Banerjee, S.N., Chakraborty, A.K., Mathew, A.K. and Chaudhury, S., 2016. An overview of physico-chemical mechanisms of biogas production by microbial communities: a step towards sustainable waste management. *3 Biotech*, *6*(1), p.72. ISSN: 2190-572X https://doi.org/10.1007/S13205-016-0395-9	**Springer**	8.80	2.90	140
17.	**Chattopadhyay, P.**, Karmakar, N., Sen, S.K., 2014. Exploration of *Serratia entomophila* AB2 for lepidopteran pest control and productivity of groundnut. *African Journal of Microbiology Research*. 8(35), pp.3250-3254. ISSN: 1996-0808 https://doi.org/10.5897/AJMA2014.6648	**Academic Journals**	---	---	002

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Sl. No.	Publication Details	Publisher	NAAS Score	Impact Factor (Clarivate Analytics)	Citation (Google Scholar)
18.	**Chattopadhyay, P.**, Karmakar, N., Chatterjee, S., Sen, S.K., 2014. Field efficacy of inorganic carrier based formulations of *Serratia entomophila* AB2 in *Sesamum indicum* var. Kanak. *African Journal of Biotechnology*, *13*(34) pp. 3481-3488. ISSN: 1684-5315 https://doi.org/10.5897/AJB2014.13648	Academic Journals	---	---	004
19.	Chaudhary, B., **Chattopadhyay, P.**, Banerjee, N., 2014. Modulations in seed micromorphology reveal signature of adaptive species-diversification in *Dendrobium* (Orchidaceae). *Open Journal of Ecology*, 4(2) pp. 33-42. ISSN: 2162-1985 http://dx.doi.org/10.4236/oje.2014.42005	SCIRP	---	---	023
20.	**Chattopadhyay, P.**, Sen, S.K., 2013. Systemic infestation of *Serratia entomophila* AB2 through plant tissue inferred protection against insect pest and fungal pathogens. *African Journal of Microbiology Res*, *7*(21), pp.2651-2655 https://doi.org/10.5897/AJMR2013.5743	Academic Journals	---	---	010
21.	**Chattopadhyay, P.**, Banerjee, N. and Chaudhary, B., 2012. Genetic characterization of selected medicinal *Dendrobium* (Orchidaceae) species using molecular markers. *Research Journal of Biology*, *2*(4), pp.117-12. ISSN: 2049-1727	Scientific Journals	---	---	019
22.	Chaudhary, B., **Chattopadhyay, P.**, Verma. N., Banerjee, N., 2012. Understanding the phylomorphological implications of pollinia from *Dendrobium* (Orchidaceae). *American Journal of Plant Sciences*, 3 pp 816-828. ISSN: 2158-2742 https://doi.org/10.4236/ajps.2012.36099	SCRIP	---	---	014
23.	**Chattopadhyay, P.**, Chatterjee, S., Gorthi, S. and Sen, S.K., 2012. Exploring agricultural potentiality of Serratia entomophila AB2: dual property of biopesticide and biofertilizer. *British Biotechnology Journal*, 2(1), p.1. ISSN: 2231-2927 https://doi.org/10.9734/BBJ/2012/778	SCIENCE DOMAIN *International*	---	---	011
24.	**Chattopadhyay, P.**, Gorthi, S., Chatterjee, S. and Sen, S.K., 2011. Characterization of bacterial isolates as natural biocontrol agents of bollworm from an epizootic pest (*Heliothis armigera*). *Pest Technology*, *5*, pp.81-85. ISSN: 1749-4818	Global Science Books	---	---	009
25.	Chatterjee, S., **Chattopadhyay, P.**, Maity, S., Sarkar, A., Laskar, S. and Sen, S.K., 2011. A water-soluble, non-aromatic, nitrogenous compound from a hyper-red pigment-producing mutant of Monascus purpureus. *Dyn Biochem Process Biotechnol Mol Biol*, *5*(2), pp.47-52. ISSN: 1749-0626	Global Science Books	---	---	002
26.	**Chattopadhyay, P.**, Banerjee, N. and Chaudhary, B., 2010. Precise seed micromorphometric markers as a tool for comparative phylogeny of *Dendrobium* (Orchidaceae). *Floriculture and Ornamental Biotechnology*, *4*, pp.36-44. ISSN: 1749-0294	Global Science Books	---	---	003

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Phone: +91 7001009127

Sl. No.	Publication Details	Publisher	NAAS Score	Impact Factor (Clarivate Analytics)	Citation (Google Scholar)
27.	Sinha, S., **Chattopadhyay, P.**, Pan, I., Chatterjee, S., Chanda, P., Bandyopadhyay, D., Das, K. and Sen, S.K., 2009. Microbial transformation of xenobiotics for environmental bioremediation. *African Journal of Biotechnology*, *8*(22). ISSN: 1684-5315 https://doi.org/10.5897/AJB09.740	Academic Journals	---	---	126
28.	Chatterjee, S., Maity, S., **Chattopadhyay, P.**, Sarkar, A., Laskar, S. and Sen, S.K., 2009. Characterization of red pigment from *Monascus* in submerged culture red pigment from *Monascus purpureus*. *Journal of Applied Sciences Research*, *5*(12), pp.2102-2108. ISSN: 1819-544X	INSInet Publication	---	---	044
29.	Majumdar, T., **Chattopadhyay, P.**, Saha, D.R., Sau, S. and Mazumder, S., 2009. Virulence plasmid of *Aeromonas hydrophila* induces macrophage apoptosis and helps in developing systemic infection in mice. *Microbial Pathogenesis*, *46*(2), pp.98-107. ISSN: 0882-4010 https://doi.org/10.1016/j.micpath.2008.11.002	**Elsevier**	9.80	3.30	022
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1.	**Chattopadhyay, P.** and Banerjee, G., 2020. Arms race between insecticide and insecticide resistance and evolution of insect management strategies in Srivastava, PK., Singh, VP., Singh, A., Tripathi. DK., Singh, S., Prasad, SM. and Chauhan D.K. (Eds.) *"Pesticides in Crop Production: Physiological and Biochemical Action"*, pp.109-130. ISBN: 9781119432203 https://doi.org/10.1002/9781119432241.ch7	**Wiley**	001
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Sl. No.	Publication Details	Publisher	Citation (Google Scholar)
3.	**Chattopadhyay, P.**, Chaudhary B. and Banerjee, N., 2015. Morphological and Micromorphological differentiation in *Dendrobium aphyllum* (Roxb.) of Eastern India in Ray, S. and Sen S.K. (Eds.) "Molecular and biotechnological Approach to Resource Utilization : Microbes to Angiosperms". Levant Books & Visva-Bharati. ISBN : 978-93-84106-04-1	Levant Publication, Kolkata and Visva-Bharat	---
4.	Banerjee, G. and **Chattopadhyay, P.**,* 2013. Biocompatibility of polymer composites for dental applications in Choudhuri, S. (Ed.) "Accelerating Science" (Vol. 3), pp.112-150. ISBN: 93-82661-24-7	Publication Department, Shikshak Karmachari Sabha, Jamuguri H.S. School, Jamiguri, Assam	---
5.	Sinha S., **Chattopadhyay P.**, Sen S.K., 2011. Microbial Degradation of Recalcitrant PAHs-Microbial Diversity Involving Remediation Process in Singh S.N. (Eds.) "*Microbial Degradation of Xenobiotics, Environmental Science and Engineering*", pp 395-410, ISBN: 978-3-642-23788-1. https://doi.org/10.1007/978-3-642-23789-8_15	**Springer**	009

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4.	**Chattopadhyay P.** and Sen, S.K., 2012. Development of bacterial biopesticide: Isolation to Product Formulation. ISBN: 978-3-8484-1041-5	Lambert Academic Publishing GmbH & Co. KG, Germany	007
5.	**Chattopadhyay P.**, Mazumder, S. and Saha, D.R., 2012. Unpacking the Virulence Plasmid of Bacteria: Role in Apoptosis and Disease Establishment. ISBN: 978-3-8473-4761-3	Lambert Academic Publishing GmbH & Co. KG, Germany	---

- I hereby declare that all the information given above is true and correct to the best of my knowledge. All the information shared in the resume is correct, and I take full responsibility for its correctness. I solemnly declare that the information in this biodata is true to the best of my knowledge and belief.

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05.07.2024