Curriculum Vitae



Punarbasu Chaudhuri,
Professor,
Department of Environmental Science,
University of Calcutta

1. Basic Information

- **Designation:** Professor, Dept. of Environmental Science, University of Calcutta
- **Date of Birth:** May 21st 1976.
- **Correspondence:**
  Office: 35, Ballygunge Circular Road, Calcutta-700019, India
  Residence: 33, Vidyasagar Road, Calcutta-700065. India
- **E-mail**: pcenvs@caluniv.ac.in / punarbasu_c@yahoo.com
- **Telephone no*:*** +91 9831140980 (Mobile)
- **Nature of work:** Postgraduate teaching and Research
- **Area of Research interest:** Mangrove Ecology, Environmental Microbiology, Climate change and Polar environment.

2. Academic Information

2.1. Degrees

- **Post doctoral** research on effect of costal pollution on mangroves from University of Sydney as *Endeavour* Fellow of Government of Australia, 2012.

- **Ph.D.** in Environmental Science from Department of Environmental Science, University of Kalyani in2008 on "Studies on Fungal Bio-diversity of mangrove vegetation of West Bengal, India"

- **Post graduation (M.Sc.)** in Environmental Science with specialization in Environmental Biology and Pollution Management from Environmental Biology and Pollution Management in 2000 and stood **First Class First** from University of Kalyani.

- **Graduation (B.Sc.)** with Botany (Hons), Zoology & Chemistry from Vidyasagar College, affiliated to University of Calcutta in 1998.

2.2. Academic Achievements

- Member 39th Indian Expedition to Antarctica, (2019-20)
- Recipient of Shastri Indo-Canadian Fellowship (2018) to participate BaySys Sub-Arctic expedition in the CCGS Amundsen to study the impact of climate change on polar environment.
- Recipient of Science Academies' (IASc-INSA-NASI) Summer Research Fellowship (2014) at School of Environmental Sciences, Jawaharlal Nehru University.
- Appointed as Australian Award Ambassador in India by Govt. of Australia, 2014.
- Recipient of DST SERB Fast Track Young Investigator Fund, 2013
- Recipient of Endeavour Award2012 of Government of Australia for Post doctoral research
- Certification of Appreciation for contribution to the judging process at "Initiative for Research and Innovation In Science" organized by Department of Science and Technology, Intel Education and Confederation of Indian Industry (2008).
- Qualified National Eligibility Test (NET) for Lectureship / Assistant Professorship in Environmental Science conducted by Agricultural Scientist Recruitment Board of Indian Council of Agricultural Research (2002).
- Qualified National Eligibility Test (NET) for Junior Research Fellowship (JRF) & Lectureship in Environmental Sc. conducted by University Grants Commission (2001).
- Junior Research Fellowship awarded by University Grants Commission for Doctoral level research work (Aug.2001-Oct.2003).
- Certificate of Merit for securing 1st Class 1st position in Post Graduate Examination from University of Kalyani (2000).
- National Scholarship Ministry of Human Resource Development, Govt. of India for good performance in undergraduate studies (1998).
- Vidyasagar College Centenary Scholarship from Vidyasagar College for securing highest marks from the college in undergraduate examination (1998).
- Abanindra Guha Life Science Endowment from Vidyasagar College for securing highest marks among all life science subjects from the college in undergraduate examination (1998).
- Certificate of Merit from National Science Society affiliated to Indian Science Congress Association, for good performances in Science Talent Search Test (1991).

3. Research guidance

Ph.D Awarded	08
Ph.D Submitted	01
Ph.D Pursuing	07
M.Phil Awarded	01
M.Tech Awarded	03

4. Workshops, Seminars attended

i.	International level	12
ii.	National level	45
iii.	State level	15

5. Teaching Experiences

- Teaching as fulltime faculty in postgraduate course in Environmental Science in Department of Environmental Science, University of Calcutta since Oct 2003.
- Teaching as guest faculty in postgraduate courses in Departments of Biotechnology, Microbiology, Genetics and Neuroscience of University of Calcutta since 2004.
- Associated as a guest faculty in IISER Kolkata, Department of Geography in West Bengal state University and Department of Environmental Studies in Rabindra Bharati University.
- Associated as a guest faculty in postgraduate courses in Zoology in Dept. of Zoology, Rishi Bankim Chandra College in 2006-07.
- Teaching as resource person in Teachers Training Program in Jagadish Bose National Science Talent Search, Kolkata since 2007
- Teaching as resource person in post-graduation level distance education in Environmental Science in Vivekananda College Study center under Vidyasagar University since 2008
- Associated with orientation and workshop programs for Teachers as a resource person in Institute of Advanced Studies in Education, David Hare Training College, Kolkata in Jan. 2009.
- Associated with College of Teaches Education Programme on Environmental Awareness as a resource person in Ramkrishna Mission Sikshanamandir, Belur in Jan. 2009
- Demonstrated postgraduate students in practical classes and supervising post-graduation project works in Department of Environmental Science, University of Kalyani from Aug. 2001 to Oct. 2003
- Guest Lecturer of Environmental Studies in undergraduate courses in MahadevanandaCollege (affiliated College under University of Calcutta), Barrakpore from Aug. 2000 to Aug.2002

6. Research Experience

- Presently engaged in research works on Environmental biology, Mangrove Ecology, Environmental monitoring, Different aspects of Biodiversity since 2003.
- Ph.D. level research on ‘Studies on Fungal Bio-diversity of mangrove vegetation of West Bengal’, from Department of Environmental Science, University of Kalyani from Aug. 2001- Sept. 2006.
- P.G. Research Project ‘Characterization, Oil Recovery, & Eco-friendly Disposal of Oily Sludge By Microbial Technology’ in Haldia Refinery (Indian Oil Corporation Ltd.) from May 1999 to July2001.

Research and consultancy Projects undertaken

Sl	Title of Project	Funding Agency	Amount	Duration
1.	Evaluation of anti fungal properties of mangrove plants of Sundarban.	UGC, New Delhi	2 lakhs	2010- 12
2.	Ecological Studies in Durgapur and Bankura Region	SGS India Ltd.	0.7 Lakhs	2010-11
3.	Framing Environmental Management Policy for backward areas of Sundarban using Geo-information Technology (Co-Investigator)	DSA Phase I program on Environment Management of UGC	2.5 lakhs	2011-16
4.	Preparation of People's Biodiversity Register of Kolkata (Co-Investigator)	Society for Environment and Development and State Biodiversity Board	1.25 lakhs	2011-12
5.	Health of the stone quarry workers of Birbhum District, West Bengal (Co-investigator)	Indian Statistical Institute	2.5 Lakhs	2011-14
6.	Studies on migration of mangroves in Hooghly estuary and its potentiality assessment as climate change indicator	DST, Government of India	20 lakhs	2013-16
7.	Health Impact of house hold level air pollution	The Energy and Resource Institute (TERI)	1.6 lakhs	2014-15
8.	Effect of Climate change on Mobilization of Trace Elements from Acid Sulfate Soils in Coastal Mangrove Habitats of Sundarban	UGC-DAE, Govt of India	7.6 lakhs	2014-17
9.	Studies on 10Be inventory in Sundarban Mangrove Ecosystem	Inter-University Accelerator Centre, New Delhi	Travel and experimental support	2015-19
10.	Green synthesis of iron nanoparticles from manglicolous fungi of Indian Sundarban and their application in sequestration of heavy metals from contaminated water	DBT, Govt of India	56 lakhs	2016-18
11.	Bio-prospecting of PGPRs isolated from stress environment and their application in the sustainable agriculture	UGC UPE Phase II, University of Calcutta	6 lakhs	2017-19
12.	Study to understand the pollination ecology as well as the applicability of placing apiary boxes in the forested areas of the Sundarbans (Co-investigator)	WWF, India	30lakhs	2017-20

Sl	Title of Project	Funding Agency	Amount	Duration
13.	Capacity building to enhance apiculture productivity through Melissopalynological training using Foldscope.	DBT, GoI	8 lakhs	2018-19
14.	Spatiotemporal Assessment of air quality and its health effect using geoinformatics: A case study form Kolkata	DST, GoWB	18.70 lakhs	2018-20
15.	Studies on conjugation of PET/SPECT radioisotopes with environmentally benign nature resourced chemical reagents	UGC-DAE, Govt of India	7.6 lakhs	2019-21
16.	Environmental Impact of Anthropogenic Activities on Wetland Bio-Diversity of Rudrasagar lake, the Ramsar Site of Tripura	DBT (NER BPMC), GoI	65 lakhs	2019-24
17.	Apportioning nurdles and microplastics on the way to Antarctica	NCPOR, Ministry of Earth Sciences, Government of India.	Travel and logistics support	2019-20
18.	Application of 14C bomb spike to understand the history of anthropogenic contaminations in Antarctica	Interuniversity Accelerator Centre (IUAC)	Travel and logistics support	2022-25
19.	Possible enhancement of microbial efficiency of microplastic degradation by employing radiation exposure	UGC-DAE, Govt of India	7.6 lakhs	2023-26
20.	Protection of a climate vulnerable Mangrove Sanctuary in Indian Sundarban	Australian Alumni Grants Scheme (AAGS)	6 lakhs	2023-24
21.	Creation of sustainable livelihoods and employment opportunities, improving income generating capacity of local SC communities of Kumirmari Island, Indian Sundarbans	Department of Science and Technology, Govt. of India.	1.57 Crore	2025-27

7. Publications

Journal papers

1. Debnath, P., Biswas, A., **Chaudhuri, P.**, & Mitra, S. (2026). Anthropogenic Impacts on Hydro-chemical Dynamics of Rudrasagar Ramsar Site, Northeast India: A Spatio-temporal Framework for Sustainable Wetland Restoration. Sustainable Geosciences: People, Planet and Prosperity, 100032.
2. Samanta, T., Chatterjee, L., Biswas, A., Rong, A., Giri, A., Roy, A. B., & **Chaudhuri, P.** (2026). Environmental drivers shaping seasonal odonata diversity dynamics in India's largest urban park. Urban Ecosystems, 29(4), 203.
3. Biswas, A., Debnath, P., Mondal, S., Mitra, S., & **Chaudhuri, P**. (2026). Identification of Pollution Drivers through Integrated Hydro-chemical Assessment Approaches: An Index-Based Study in Rudrasagar Lake, a Ramsar Site in North-East India. Physics and Chemistry of the Earth, Parts A/B/C, 104604.
4. Debnath, P., Biswas, A., **Chaudhuri, P.**, & Mitra, S. (2026). Novel integrated framework for hydro-chemical characterization, long-term assessment of wetland ecosystem service degradation and restoration prioritization. Discover Geoscience, 4(1), 245.
5. Mondal, S., Biswas, A., & **Chaudhuri, P.** (2026). Multidimensional assessment of riverine water quality through statistical tools and pollution indices in Birbhum district, Eastern India. Environmental monitoring and assessment, 198(3), 257.
6. Shaw, R., Halder, U., Mazumder, K., **Chaudhuri, P.**, & Bandopadhyay, R. (2026). Characterisation and bioactivity of sulphated exopolysaccharide produce by Halomonas titanicae PCRB123b from Antarctic Ocean. Natural Product Research, 1-20.
7. Katnur, K. S., Mondal, S., Tudu, P., Das, U., Pramanik, G., Bhattacharyya, S., ... & **Chaudhuri, P.** (2025). Is our food safe? Microplastic occurrence and characteristics in vegetables cultivated in the vicinity of a municipal solid waste dumping ground—insights from Kolkata, India. Environmental Science and Pollution Research, 1-20.
8. Saha, J., Chaudhuri, A., Dutta, S., Bhattacharyya, S., & **Chaudhuri, P.** (2025). Application of a Nano-Silica Coating on Fly Ash Concrete Controlling Fungal Biofilm Based Biodeterioration. APMIS, 133(12), e70101.
9. Gaine, T., Chakrabarty, S., & **Chaudhuri, P.** (2025). Quantitative estimation of mangrove honey characteristics for assessment of consumption suitability: A study from reserve forest of Indian Sundarbans. Journal of Food Measurement and Characterization, 1-16.
10. Mondal, R., Sarkar, D. J., Bhattacharyya, S., **Chaudhuri, P.**, & Das, B. K. (2025). Tracing source of microplastics contamination in CTC tea: Effect of processing stages and human health risk assessment. Journal of Hazardous Materials, 140111.
11. Sarkar, R. K., Ghosh, S., Biswas, R., Oraon, S., Gaine, T., Adak, S., **Chaudhuri, P.**, Bhattacharya, K. (2025). Assessing diversity, analyzing community structure, and mapping mangrove distribution at Lothian Wildlife Sanctuary: A lesser-explored model Island in Indian Sundarbans. Regional Studies in Marine Science, 104545.
12. Debnath, P., Biswas, A., **Chaudhuri, P**., & Mitra, S. (2025). Assessment of Hydro-chemical Characteristics and Pollution Status in Rudrasagar Lake Ecosystem integrating Pollution Indices and Geospatial Techniques: A Framework for Sustainable Wetland Management. Cleaner Water, 100142.
13. Chakrabarty, S., Chatterjee, T., Gaine, T., & **Chaudhuri, P.** (2025). Vegetative and reproductive phenology of dominant Mangrove species: a multi-parametric approach from Indian sundarbans. Plant Ecology, 226(9), 1107-1119.
14. Shaw, R., Mazumder, K., Roy, R. K., **Chaudhuri, P.**, Daripa, S., & Bandopadhyay, R. (2025). Antimicrobial and mosquito larvicidal properties of silver nanoparticle synthesized

by extracellular polysaccharide from Psychrobacter okhotskensis. International Journal of Biological Macromolecules, 147123.
15. Chowdhury, S., Chaudhuri, S., & **Chaudhuri, P.** (2025). Reconstruction of the Holocene landscape of Hugli-Bidyadhari interdistributary plain with focus on the Kochpukur archaeological site in lower deltaic Bengal, India: S. Chowdhury et al. Water History, 17(2), 157-179.
16. Mondal, R., Sarkar, D. J., Bhattacharyya, S., Raja, R., **Chaudhuri, P.**, Biswas, J. K., & Das, B. K. (2025). Health risk assessment of microplastics contamination in the daily diet of South Asian countries. Journal of Hazardous Materials, 494, 138527.
17. Samanta, S., Deb Burman, P. K., Gogoi, N., Sarma, D., Gaine, T., Chakraborty, S., & **Chaudhuri, P.** (2025). Elemental profiling of a subtropical forest soil: A case study from Kaziranga National Park, India. Journal of Earth System Science, 134(2), 1-20.
18. Chatterjee, P., Hazra, S., Danda, A. A., Bhadury, P., **Chaudhuri, P.**, & Sarkar, S. (2025). Living Shoreline: Preliminary Observations on Nature-Based Solution for Toe-Line Protection of Estuarine Embankments and Mangrove Regeneration. Sustainability, 17(7), 3168. https://doi.org/10.3390/su17073168
19. Chatterjee, T., Chakrabarty, S., Mitra, B., & **Chaudhuri, P.** (2025). Unveiling the association of mangrove flowering phenology on the dynamics of insect abundance. Acta Oecologica, 126, 104052. https://doi.org/10.1016/j.actao.2024.104052
20. Biswas, A., Debnath, P., Basu Roy, A., Chatterjee, L., Mitra, B., Mitra, S., & **Chaudhuri, P.** (2025). Investigating avian fauna diversity and exploring their possible threats in and around wet-landscape of Rudrasagar lake: an Indian Ramsar site. Wetlands Ecology and Management, 33(2), 22.
21. Mahanty, S., Pillay, K., Hardouin, E. A., Andreou, D., Cvitanovic, M., Darbha, G. K., ... & Majumder, S. Whispers in the Mangroves: Unveiling the Silent Impact of Potential Toxic Metals (Ptms) on Indian Sundarbans Fungi. Marine Pollution Bulletin, 209, 117233 https://doi.org/10.1016/j.marpolbul.2024.117233
22. Dutta, B., Das, T., Rode, M., Jana, R., Das, P., Bandopadhyay, R., & **Chaudhuri, P.** (2024). A Report of the Mangrove Biodiversity Exploration and Restoration Training Workshop at Sundarban, West Bengal on December 27–31, 2023. National Academy Science Letters, 1-5.
23. Bhattacharjee, S., Rathore, C., Naik, A., Saha, M., Tudu, P., Dastidar, P. G., ... & **Chaudhuri, P.** (2024). Do microplastics accumulate in penguin internal organs? Evidence from Svinnar island, Antarctica. Science of The Total Environment, 175361.
24. Roy, A. K., Mondal, R., Roy, A., Bhattacharyya, S., & **Chaudhuri, P.** (2024). A quantitative comparison of macro-plastic debris between undisturbed and populous coastal ecosystems of West Bengal, India. Marine Pollution Bulletin, 202, 116340.
25. Biswas, A., Debnath, P., Roy, S., Bhattacharyya, S., Mitra, S., & **Chaudhuri, P.** (2024). Spatio-temporal variation in water quality due to the anthropogenic impact in Rudrasagar Lake, a Ramsar site in India. Environmental Monitoring and Assessment, 196(7), 1-23.
26. Mitra, S., Naskar, N., Lahiri, S., & Chaudhuri, P. (2024). Synergistic aqueous biphasic separation of 90Nb and 89Zr from natY using green tea derived catechins. Journal of Radioanalytical and Nuclear Chemistry, 333(2), 853-863.
27. Mitra, S., Naskar, N., Lahiri, S., & Chaudhuri, P. (2023). A study on phytochemical profiling of Avicennia marina mangrove leaves collected from Indian Sundarbans. Sustainable Chemistry for the Environment, 4, 100041.
28. Mitra, S., Naskar, N., Tamili, D., Lahiri, S., Bhattacharjee, P., Nandi, R. K., & Chaudhuri, P. (2024). Gamma radiolytic degradation of catechin in aqueous solution. Radiation Physics and Chemistry, 217, 111509.

29. Mitra, S., Naskar, N., Lahiri, S., & Chaudhuri, P. (2023). A study on phytochemical profiling of Avicennia marina mangrove leaves collected from Indian Sundarbans. Sustainable Chemistry for the Environment, 4, 100041.
30. Talukdar, A., Kundu, P., Bhattacharjee, S., Dey, S., Dey, A., Biswas, J. K., Chaudhuri, P. & Bhattacharya, S. (2023). Microplastics in mangroves with special reference to Asia: Occurrence, distribution, bioaccumulation and remediation options. Science of The Total Environment, 166165.
31. Mahanty, S., Sarkar, A., Chaudhuri, P., & Darbha, G. K. (2023). Mycosynthesized magnetic iron-oxide nanoparticles for the remediation of heavy metals− An insight into the mechanism of adsorption, process optimization using algorithmic approach and its application for the treatment of groundwater. Environmental Nanotechnology, Monitoring & Management, 100854.
32. Arijit, Sukalyan, Potential Transmission of SARS-CoV-2 through Microplastics in Sewage: A Wastewater-Based Epidemiological Review , Environmental Pollution
33. Separation of 71,72As from alpha induced reaction on gallium oxide target using naturally occurring alkaloid caffeine, Radiochimica Acta
34. Mitra, S., Naskar, N., Samanta, P. et al. Separation of 90Nb from bulk yttrium target using two food derived alkaloids. J Radioanal Nucl Chem (2023).
35. Bhattacharjee, S., Mandal, B., Das, R., Bhattacharyya, S., Chaudhuri, P., & Mukherjee, A. (2023). Microplastics in gastro-intestinal tract of estuarine fish from the mangrove ecosystem of Indian Sundarbans. Iranian Journal of Fisheries Sciences, 22(2), 317-338.
36. Chatterjee, T., Chakrabarty, S., Roy, S., Biswas, O., Mitra, B., & Chaudhuri, P. (2023). Spatial and temporal variation of floral visitors and their visitation pattern on Acanthus ilicifolius L.: a case study from the mangrove ecosystem of Indian Sundarbans. Journal of Insect Conservation, 1-11.
37. Tudu, P., Sen, P., & Chaudhuri, P. (2022). Quantification of Water-Soluble Inorganic Ions of PM10 Particles in Selected Areas of Kolkata Metropolitan City, India. Aerosol Science and Engineering, 6(4), 456-472.https://doi.org/10.56253/JASER.3.1.2022.229-239
38. Jhahan, E., Bhattacharyya, S., Chaudhuri, A., Sarkar, N., Akhtar, S., & Chaudhuri, P. (2022). Optimization and application of UVC irradiation for prevention of fungal biodeterioration of vegetable tanned and chrome tanned leather. Journal of Leather Science and Engineering, 4(1), 28.
39. Dastidar, D. G., Basu, S., Venkatraman, C., Chaudhuri, P., Nikhil, P. P.(2022). Remnant vegetation in farmland -its significance in ethnobotany and local ecosystem. Plant Science Today. https://doi.org/10.14719/pst.1761
40. Mondal, M., Kumar, V., Bhatnagar, A., Vithanage, M., Selvasembian, R., Ambade, B., Meers, E., Chaudhuri, P., & Biswas J. K. (2022). Bioremediation of metal(loid) cocktail, struvite biosynthesis and plant growth promotion by a versatile bacterial strain Serratia sp. KUJM3: Exploiting environmental co-benefits. Environmental Research. 113937. https://doi.org/10.1016/j.envres.2022.113937
41. Bhattacharyya, S., Akhtar, S., Chaudhuri, A., Mahanty, S., Chaudhuri, P., & Sudarshan, M. (2022). Affirmative nanosilica mediated approach against fungal biodeterioration of concrete materials. Case Studies in Construction Materials, e01258.
42. Mitra, S., Naskar, N., Ghosh, K., Dutta, A., Lahiri, S., Chaudhuri, P., & Saha, A. (2022). Studies on radiation stability of natural caffeine. Applied Radiation and Isotopes, 183, 110148.
43. Tudu, P., Gaine, T., Mahanty, S., Mitra, S., Bhattacharyya, S., & Chaudhuri, P. (2022). Impact of COVID-19 lockdown on the elemental profile of PM10 present in the ambient aerosol of an educational institute in Kolkata, India. Environmental Quality Management.

44. Ghosh, S., Bakshi, M., Mahanty, S., & Chaudhuri, P. (2022). Assessment of role of rhizosphere process in bioaccumulation of heavy metals in fine nutritive roots of riparian mangrove species in river Hooghly: Implications to global anthropogenic environmental changes. Marine pollution bulletin, 174, 113157.
45. Islam, M. M., Bhattacharya, R., Sarkar, B., Maiti, P. K., Mahanty, S., Chaudhuri, P., ... & Mandal, S. (2022). Different soil salinity imparts clear alteration in rhizospheric bacterial community dynamics in rice and peanut. Archives of Microbiology, 204(1), 1-17.
46. Naskar, N., Gangopadhyay, K., Lahiri, S., Chaudhuri, P., Sharma, R., Kumar, P., ... & Ghosh, A. (2021). New AMS 14C Dates of a Multicultural Archaeological Site from the Paleo-Deltaic Region of West Bengal, India: Cultural and Geo-Archaeological Implications. Radiocarbon, 1-11.
47. Ghosh, S., Bakshi, M., Mahanty, S., & Chaudhuri, P. (2021). Assessment of Human Induced Potentially Toxic Metal Aggregation and Decadal Change in Sediment Quality of River Hooghly: Implications to the Usage of Pneumatophores as a Potential Bio-indicator and Phytoremediator. Water, Air, & Soil Pollution, 232(10), 399. https://doi.org/10.1007/s11270-021-05357-z
48. Singh, V., Chakraborty, S., & Chaudhuri, P. (2021). Quantification and polymer characterization of sediment microplastics along the Golden beach, Puri, India. Indian Journal of Geo Marine Sciences50 (07), 574-584
49. Ghosh, S., Das, R., Bakshi, M., Mahanty, S., & Chaudhuri, P. (2021). Potentially toxic element and microplastic contamination in the river Hooghly: Implications to better water quality management. Journal of Earth System Science, 130(4), 1-16.
50. Gaine, T., Tudu, P., Ghosh, S., Mahanty, S., Bakshi, M., Naskar, N., ... & Chaudhuri, P. (2021). Differentiating Wild and Apiary Honey by Elemental Profiling: a Case Study from Mangroves of Indian Sundarban. Biological Trace Element Research, 1-20.
51. Chaudhuri, P., Gangoapdhyay,K., Saha, M., Ghosh, S.K. (2021) Kochpukur: A Prospective Archaeological Site from East Kolkata Wetland Area, Bulletin of The Asiatic Society, 50(10), 94-99
52. Bakshi, M., Ghosh, S., Mahanty, S., Gaine, T., & Chaudhuri, P. (2021). Ecotoxicological response of potentially toxic metal (PTM) pollution in estuarine mangrove habitat of Indian Sundarban. Journal of Earth System Science, 130(3), 171. https://doi.org/10.1007/s12040-021-01662-7
53. Mitra, S., Naskar, N., & Chaudhuri, P. (2021). A review on potential bioactive phytochemicals for novel therapeutic applications with special emphasis on mangrove species. Phytomedicine Plus, 1(4), 100107. https://doi.org/https://doi.org/10.1016/j.phyplu.2021.100107
54. Basu, C., Bhattacharyya, S., Chaudhuri, A., Akhtar, S., Chatterjee, A., Thakur, B., Guha, H., & Chaudhuri, P. (2021). Assessment of Potential Damage Factor: A Case Study of St. Paul's Cathedral, Kolkata. Journal of Heritage Management, 6(1), 53–68. https://doi.org/10.1177/24559296211008678
55. Gupta, B., Chaudhuri, P., & Mishra, T. K. (2021). Chapter 19 - Extraction of timber and nontimber forest produce of Southwest Bengal: ecology versus economy (P. Kumar Shit, H. R. Pourghasemi, P. P. Adhikary, G. S. Bhunia, & V. P. B. T.-F. R. R. and C. Sati (eds.); pp. 247–255). Elsevier. https://doi.org/https://doi.org/10.1016/B978-0-12-822931-6.00019-8
56. R.Salim, F., Chaudhari, P., & Khan,A. (2021). Effect of Risk Perception, Perceived Susceptibility and Trustworthiness of Information Sources on Maladaptive Behaviour During COVID-19: An Investigation of Psychological Well-Being. Journal of Psychosocial Wellbeing, 2(1):59-67.

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58. Chatterjee, S., Dey, S., Sarma, M., Chaudhuri, P., & Das, S. (2020). Biodegradation of Congo Red by Manglicolous Filamentous Fungus Aspergillus flavus JKSC-7 Isolated from Indian Sundabaran Mangrove Ecosystem. Applied Biochemistry and Microbiology, 56(6), 708-717. (ISSN: 1608-3024) [Impact Factor1.02] doi:10.1134/S0003683820060046
59. Chaudhuri, A., Bhattacharyya, S., Chaudhuri, P., Sudarshan, M., & Mukherjee, S. (2020). In vitro deterioration study of concrete and marble by Aspergillus tamarii. Journal of Building Engineering, 32, 101774. (ISSN: 2352-7102)[Impact Factor3.37]ISSN: 2352-7102.
60. Dey, S., Mahanty, S., Saha, A., Kumar, P., Saha, R., Kar, C., Chaudhuri, P., &Sukul, P. K. (2020). Bio-inspired perylenediimide coated super paramagnetic nanoparticles for the effective and efficient removal of lead (ii) from aqueous medium. RSCMaterials Advances. [Impact Factor 3.11]ISSN: 2633-5409.
61. Chaudhuri, A., Bhattacharyya, S., &Chaudhuri, P. (2020) In vitro susceptibility testing of indoor fungi by etest.Asian Journal of Microbiology, Biotechnology & Environmental Sciences Paper. [Impact Factor Nil] ISSN: ISSN: 0972-3005.
62. Chaudhuri, A., Basu, C., Bhattacharyya, S., &Chaudhuri, P. (2020). Developement of health risk rating scale for indoor airborne fungal exposure. Archives of environmental & occupational health, 75(7), 375-383. (ISSN: 1933-8244)[Impact Factor 1.18]
63. Mahanty, S., Chatterjee, S., Ghosh, S., Tudu, P., Gaine, T., Bakshi, M., ... &Chaudhuri, P. (2020). Synergistic approach towards the sustainable management of heavy metals in wastewater using mycosynthesized iron oxide nanoparticles: Biofabrication, adsorptive dynamics and chemometric modeling study. Journal of Water Process Engineering, 37, 101426.[Impact Factor 3.46]ISSN: 2214-7144.
64. Naskar, N., Lahiri, S., Mitra, S., &Chaudhuri, P. (2020). Radiogenic quality assessment of ground and riverine water samples collected from Indian Sundarbans. Environmental Research, 109407.[Impact Factor 5.71]
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