CURRICULUM VITAE

NAME: DR. PRIYA BANERJEE

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ORCID ID: *0000-0001-6695-5588*; **SCOPUS ID:** *55655580600*

LINKEDIN ID: www.linkedin.com/in/dr-priya-banerjee-07662055

LANGUAGES KNOWN: English, Bengali and Hindi.

ACADEMIC QUALIFICATIONS:

Name of the Institute / Board / Council	Qualification	Year of passing	Class or Division	Subject(s)
University of Calcutta	Ph.D.	2018	-	Environmental Sciences
UGC	NET	2012	-	Environmental Sciences
University of Calcutta	M.Sc.	2010	**1st**	Environmental Sciences
University of Calcutta	B.Sc.	2008	**1st**	Zoology (Honours), Chemistry (General), Botany (General)
West Bengal Council of Higher Secondary Education	Higher Secondary (Class 12)	2005	**1st**	Physics, Chemistry, Biology, Mathematics, English, Bengali
West Bengal Board of Secondary Education	Madhyamik (Class 10)	2003	**1st**	Physical Sciences, Life Science, Mathematics, Geography, History, English, Bengali

OTHER ACHIEVMENTS:

- Awarded the **third prize** for **poster presentation** on occasion of World Environment Day, 2017 at the workshop titled "Connecting People to Nature" organized by CSIR-NEERI, Kolkata Zonal Centre, 6th June, 2017, Kolkata.
- Awarded the **IconSWM Excellence Award** for paper presentation (Oral) at the Sixth International Conference on Solid Waste Management (Icon SWM 2016) held on 24th – 26th November, 2016 at Jadavpur University, Kolkata.
- Awarded the **University Research Fellowship** (2013-2018) from University of Calcutta, Kolkata.
- Awarded the **best poster award** at the Environmental Sciences section of the ***100th*** **Indian Science Congress**, 3rd – 7th January, 2013, Kolkata.
- Awarded the **first prize** for **poster presentation** on occasion of Research Scholar's Day celebration at CSIR-CGCRI, 18th July, 2012, Kolkata.
- Awarded **The Nalanda Scholarship** for performance in the **Madhyamik Examination**, 2003 from Nava Nalanda High School, Kolkata.

COMPUTER SKILLS:

- Completed **DOEACC Advanced Diploma level (A- level)** from Asutosh College Computer Centre, Kolkata, in 2008 - 2010.

TEACHING EXPERIENCE:

- Presently serving as **Assistant Professor** (Contractual whole time) in **Department of Environmental Studies, Directorate of Distance Education, Rabindra Bharati University**, Kolkata, India from **04.09.2018** to date.
- Served as **Guest Lecturer** for **Environment and Society** (**CSHL 305**) and **Social Issues and Professional Practice** (**CSHL 405**) in **Department of Computer Science and Engineering, University of Calcutta**, **Kolkata**, **India,** from **22.09.2016** to **22.09.2018**.
- Served as **Guest Lecturer** in **Department of Environmental Science, Netaji Nagar College for Women, Kolkata**, **India,** from **08.07.2011** to **24.01.2012**

FIELDS OF INTEREST:

- Waste management and recycling
- Natural resource management
- Ecotoxicology

RESEARCH SKILLS ATTAINED THROUGH TECHNIQUES LEARNT:

- **Toxicology:** Comet Assay, Micronucleus Assay, Detection of toxic substances in samples by Immuno-toxicological techniques, Biochemical methods in assessing toxicity.
- **Molecular Biology, Biotechnology and Microbiology:** Microbial growth culture methods, Zymography techniques, Gel electrophoresis.
- **Ecology:** Calculation of Diversity indices and their field applications,
- **Chemistry:** Titrimetric and gravimetric methods of assessing chemicals, gas chromatography, TOC and TKN analysis, BOD and COD estimation, membrane filtration.
- **Material Characterization:** Spectrophotometry, Electron microscopy, Energy Dispersive X- Ray Spectroscopy, Atomic force microscopy, Fourier transform infrared spectroscopy, X-Ray Diffractometry, Dynamic Light Scattering, BET Surface Area Determination, Inductively Coupled Plasma Optical Emission Spectrometry
- **Computerized Optimization:** Response surface methodology, Artificial neural network.

PUBLICATIONS (Details attached):

- *Full papers* (in international journals): 30
- *Full papers* (in national journals): 3
- *Book chapters* (by international publishers): 33
- *Book chapters* (by national publishers): 11
- *Full papers (*conference proceedings*)*: 8
- *Books edited*: 6

GENERAL INTERESTS: Reading, Travelling, Music

I hereby confirm that all information provided herein is true to the best of my knowledge.

Thanking you,

Priya Banerjee

Dr. Priya Banerjee

LIST OF PUBLICATIONS:

Full papers (in international and national journals):

Sl. No.	Research publication	Impact factor (2024)
1	Sarkar, I., Mitra, P. and **Banerjee, P.** (2025). **Green Social Work: A Pathway to Social and Environmental Justice in India**. *Journal of Academics Stand Against Poverty* (SI: Indian Perspectives on Environmental Justice) 7(SI):35-56 (**DOI**: 10.5281/zenodo.18047345) [Academics Stand Against Poverty, USA, ISSN: 2690 3431].	-
2	Zaman, A., Ghosh, A., Gangopadhyay, B., Orasugh, J.T., Santra, S., Chakrobarty, J., Karmakar, S., **Banerjee, P.**, Ray, S.S. and Chattopadhyay, D. (2024). **Sustainable conversion of waste carbon brush and fly ash into a novel nanocomposite for selective adsorption of cationic dyes**. ***ACS Sustainable Resource Management*** 1(5):978–993 (**DOI**: 10.1021/acssusresmgt.4c00038) [American Chemical Society, ISSN: 2837-1445].	-
3	**Banerjee, P.** (2023). **Biocatalyst immobilized graphene oxide for effluent treatment: Sustainability, efficiency and cost effectiveness**. *Sayam* 1(1): 48-53 (**DOI**: 10.63419/sayam.v1i1.50) [Asutosh College, ISSN: 3048-7064].	–
4	Sharma, K., Park, Y-K., Nadda, A.K., **Banerjee, P.**, Singh, P., Raizada, P., Banate, F., Bharathe, G., Jeong, S.M. and Lam, S.S., 2022. **Emerging chemo-biocatalytic routes for valorization of major greenhouse gases (GHG) into industrial products: A comprehensive review**. *Journal of Industrial and Engineering Chemistry*. 109: 1–20 (**DOI**: 10.1016/j.jiec.2022.02.001) [Elsevier, ISSN: 1226-086X].	5.9
5	Barman, S.R., **Banerjee, P.,** Mukhopadhyay, A. and Das, P., 2022. **Biopolymer linked activated carbon– nano bentonite composite membrane for efficient elimination of PAH mixture from aqueous solutions**. *Biomass Conversion and Biorefinery*. 14: 359–373 (**DOI**: 10.1007/s13399-021-02223-0) [Springer Nature, ISSN: 2190-6815].	4.1
6	Bhattacharya, S., **Banerjee, P.,** Das, P., Bhowal, A., Majumdar, S. K. and Ghosh, P., 2020. **Removal of carbamazepine from its aqueous solution using graphene oxide nanoplatelets: Process modelling and optimization**. *Sustainable Environment Research* 30(1): 1-12. (**DOI**: 10.1186/s42834-020-00062-8) [BMC, Springer Nature, ISSN: 2468-2039].	4.8
7	Zaman, A., Orasugh, J. T., **Banerjee, P.**, Ali, M. S., Dutta, S., Das, D., Bhattacharya, A. and Chattopadhyay, D., 2020. **Facile one pot synthesis of novel graphene oxide-cellulose nanocrystals nanocomposite and subsequent application for methylene blue adsorption under response surface methodology optimized conditions**. *Carbohydrate Polymers* 246: 116661 (**DOI**: 10.1016/j.carbpol.2020.116661) [Elsevier, ISSN: 0144-8617].	12.5
8	**Banerjee, P.**, Mukhopadhyay, A. and Das, P., 2019. **Graphene oxide – nanobentonite composite sieves for enhanced desalination and dye removal**. *Desalination* 451: 231–240 (**DOI**: 10.1016/j.desal.2017.06.010) [Elsevier, ISSN: 0011-9164] (Special issue: Nanomaterials for Water Desalination: Recent Advances and Future Challenges).	9.8
9	Mukherjee, M., Goswami, S., **Banerjee P.,** Sengupta S., Das P., Banerjee P.K. and Datta, S., 2019. **Ultrasonic assisted Graphene oxide nanosheet for the removal of phenol containing solution.** *Environmental Technology & Innovation* 13: 398-407 (**DOI**: 10.1016/j.eti.2016.11.006) [Elsevier, ISSN: 2352-1864].	7.1
10	Barman, S.R., **Banerjee, P.**, Das, P. and Mukhopadhyay, A., 2018. **Urban wood waste as precursor of activated carbon and its subsequent application for adsorption of polyaromatic hydrocarbons.** *International Journal of Energy and Water Resources* 2(1-4): 1-13. (**DOI:** 10.1007/s42108-018-0001-4) [Springer Nature, ISSN: 2522-0101].	0.814
11	Bhattacharyya, S., **Banerjee, P.**, Bhattacharya, S., Rathour, R., Majumder, S.K., Das, P. and Datta, S., 2018. **Comparative assessment on the removal of ranitidine and prednisolone present in solution using graphene oxide (GO) nanoplatelets**. *Desalination and Water*	1.0

Treatment 132: 287-296 (**DOI:** 10.5004/dwt.2018.23170) [Desalination Publications, ISSN: 1944-3994 (Print), 1944-3986 (Online)].

12 **Banerjee, P.**, Mukhopadhyay, A. and Das, P., 2018. **Ultrasound enhanced azo dye adsorption by graphene oxide nanocomposite**. *Madridge Journal of Nanotechnology & Nanoscience* 3(2): 108-113. (**DOI:** 10.18689/mjnn-1000120) [Madridge Publishers, ISSN: 2638-2075]. 4.59

13 **Banerjee, P.**, Barman, S.R., Swarnakar, S. Mukhopadhyay, A. and Das, P., 2018. **Treatment of textile effluent using bacteria-immobilized graphene oxide nanocomposites: evaluation of effluent detoxification using *Bellamya bengalensis*.** *Clean Technologies and Environmental Policy* 20(10): 2287-2298 (**DOI:** 10.1007/s10098-018-1602-7) [Springer Nature, ISSN: 1618-9558]. 3.9

14 Roy, U., Sengupta, S., **Banerjee, P.**, Das, P., Bhowal, A. and Datta, S. 2018. **Assessment on the decolourization of textile dye (Reactive Yellow) using *Pseudomonas* sp. immobilized on fly ash: Response surface methodology optimization and toxicity evaluation**. *Journal of Environmental Management* 223:185-195 (**DOI**: 10.1016/j.jenvman.2018.06.026) [Elsevier, ISSN: 0301-4797]. 8.4

15 Dey, T.K., **Banerjee, P.**, Chatterjee, R. and Dhar, P., 2018. **Designing of ω-3 PUFA enriched biocompatible nanoemulsion with sesame protein isolate as a natural surfactant: Focus on enhanced shelf-life stability and biocompatibility**. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 538: 36-44. [Elsevier, ISSN: 0927-7757]. 5.4

16 Barman, S.R., **Banerjee, P.**, Mukhopadhyay, A. and Das, P., 2017. **Biodegradation of Acenapthene and Naphthalene by Pseudomonas mendocina: Process Optimization, and Toxicity Evaluation.** *Journal of Environmental Chemical Engineering* 5(5): 4803–4812 (**DOI**: 10.1016/j.jece.2017.09.012) [Elsevier, ISSN: 2213-3437]. 7.2

17 **Banerjee, P.**, Barman, S.R., Sikder, D., Roy, U., Mukhopadhyay, A. and Das, P., 2017. **Enhanced degradation of ternary dye effluent by developed bacterial consortium with RSM optimization, ANN modeling and toxicity evaluation.** *Desalination and Water Treatment* 72: 249-265 (**DOI**: 10.5004/dwt.2017.20422) [Desalination Publications, ISSN: 1944-3994 (Print), 1944-3986 (Online)]. 1.00

18 Goswami, S., **Banerjee, P.**, Datta, S., Mukhopadhayay, A. and Das, P., 2016. **Graphene oxide nanoplatelets synthesized with carbonized agro-waste biomass as green precursor and its application for the treatment of dye rich wastewater.** *Process Safety and Environment Protection* 106: 163-172. (**DOI**: 10.1016/j.psep.2017.01.003) [Elsevier, ISSN: 0957-5820]. 7.8

19 **Banerjee, P.**, Barman, S.R., Mukhopadhyay, A. and Das, P., 2016. **Ultrasound assisted mixed azo dye adsorption by chitosan- graphene oxide nanocomposite**. *Chemical Engineering Research and Design* 117: 43-56. (**DOI:** 10.1016/j.cherd.2016.10.009) [Elsevier, ISSN: 0263-8762]. 3.9

20 **Banerjee, P.**, Das, P., Zaman, A. and Das, P., 2016. **Application of synthesized graphene oxide nanoplatelets for removal of ibuprofen in aquatic surface.** *Process Safety and Environment Protection* 101: 45–53. (**DOI:** 10.1016/j.psep.2016.01.021) [Elsevier, ISSN: 0957-5820] (Special issue: Air Pollution Control and Waste Management). 7.8

21 Das, P., **Banerjee, P.**, Zaman, A., and Bhattacharjee, P., 2016. **Biodegradation of two azo dyes using *Dietzia* sp. PD1: process optimization using response surface methodology and artificial neural network.** *Desalination and Water Treatment* 57(6): 7293-7301. (**DOI:** 10.1080/19443994.2015.1013993) [Taylor and Francis, ISSN: 1944-3994 (Print), 1944-3986 (Online)]. 1.00

22 **Banerjee, P.**, Dey, T.K., Sarkar, S. Swarnakar, S., Mukhopadhyay, A. and Ghosh, S., 2016. **Treatment of cosmetic effluent in different configurations of ceramic UF membrane based bioreactor: toxicity evaluation of the untreated and treated wastewater using catfish (*Heteropneustes fossilis*).** *Chemosphere* 146:133-144. (**DOI:** 10.1016/j.chemosphere. 2015.12.004) [Elsevier, ISSN: 0045-6535]. 8.1

23 Das, P., **Banerjee, P.,** Rathour, R. and Mishra, R., 2015**. Assessment on Linear and non-linear analysis for the estimation of pseudo-second-order kinetic parameters for removal of dye using Graphene nanoparticle.** *Desalination and Water Treatment* 56(2): 502-508. 1.00

(**DOI:**10.1080/19443994.2014.937759) [Taylor and Francis, ISSN: 1944-3994 (Print), 1944-3986 (Online)].

24	**Banerjee, P.,** Sau, S., Das, P. and Mukhopadhyay, A., 2015. **Optimisation and modelling of azo dye adsorption onto Graphene Oxide nanoplatelets including characterisation and toxicity evaluation.** *Ecotoxicology and Environmental Safety* 119: 47-57. (**DOI**: 10.1016/j.ecoenv. 2015.04.022) [Elsevier, ISSN: 0147-6513].	6.1
25	Das, P., **Banerjee, P.** and Mondal, S., 2015. **Mathematical modelling and optimization of synthetic textile dye removal using Soil composites as highly competent liner material.** *Environmental Science and Pollution Research* 22(2):1318-1328. (**DOI**: 10.1007/s11356-014-3419-1) [Springer, ISSN: 0944-1344 (print version), 1614-7499 (electronic version)].	5.80
26	Satapathy, M.K., **Banerjee, P.** and Das, P., 2015. **Plant-mediated synthesis of silver-nanocomposite as novel effective azo dye adsorbent.** *Applied Nanoscience* 5(1): 1-9. (**DOI:** 10.1007/s13204-013-0286-x) [Springer, ISSN: 2190-5509 (Print), 2190-5517 (Online)].	2.346
27	Sarkar, S., Ghosh, S., **Banerjee, P.,** Larbot, A., Cerneaux, S., Bandyopadhyay, S. and Bhattacharjee, C., 2014. **Preparation and characterization of crack-free single layer Ultra Filtration membrane directly over porous clay-alumina ceramic tubular support for industrial wastewater treatment.** *Transactions of the Indian Ceramic Society* 73(3):197-204. (**DOI:** 10.1080/0371750X.2014.882246) [Taylor and Francis, ISSN: 0371-750X (Print), 2165-5456 (Online)].	1.5
28	**Banerjee, P.,** Satapathy, M.K., Mukhopadhyay, A. and Das, P., 2014**. Leaf extract mediated green synthesis of silver nanoparticles from widely available Indian plants: synthesis, characterization, antimicrobial property and toxicity analysis.** *Bioresources and Bioprocessing* (**DOI**: 10.1186/s40643-014-0003-y). [Springer, ISSN: 2197-4365 (electronic version)]	5.1
29	**Banerjee, P.,** Sau, S., Das, P. and Mukhopadhyay, A., 2014. **Green Synthesis of Silver - Nanocomposite for Treatment of Textile Dye**. *Nanoscience and Technology* 1(2): 1-6. [Symbiosis, ISSN: 2374-8141(Online)].	–
30	**Banerjee, P.**, Sarkar, S., Dey, T.K., Bakshi, M., Swarnakar, S., Mukhopadhyay, A. and Ghosh, S., 2014. **Application of isolated bacterial consortium in UMBR for detoxification of textile effluent: Comparative analysis of resultant oxidative stress and genotoxicity in catfish (*Heteropneustes fossilis*) exposed to raw and treated effluents.** *Ecotoxicology* 23(6):1073-1085. (**DOI:** 10.1007/s10646-014-1250-6) [Springer, ISSN: 0963-9292 (print version), 1573-3017 (electronic version)].	2.70
31	Bhattacharya, P., Mallick, K., Ghosh, S., **Banerjee, P.,** Mukhopadhyay, A. and Bandyopadhyay, S., 2014. **Algal biomass as potential biosorbent for reduction of organic load in grey water and subsequent reuse: effect on seed germination and enzyme activity.** *Bioremediation Journal* 18(1): 56-70. (**DOI:** 10.1080/10889868. 2013.847400) [Taylor and Francis, ISSN: 1088-9868 (Print), 1547-6529 (Online)].	1.4
32	Bhattacharya, P., **Banerjee, P.,** Mallick, K., Ghosh, S., Mukhopadhyay, A. and Bandyopadhyay, S., 2012. **Potential of biosorbent developed from fruit peel of *Trewia nudiflora* for removal of hexavalent chromium from synthetic and industrial effluent: analyzing phytotoxicity in germinating *Vigna* seeds.** *Journal of Environmental Science and Health, Part A* 48: 706–719. [Taylor and Francis, ISSN: 1093-4529 (Print), 1532-4117 (Online)].	0.133
33	**Banerjee, P**., Bhattacharya, S. and Mukhopadhyay, A., 2011. **Climate change and human health with special reference to vector borne diseases**. *Journal of the Asiatic Society* 53 (3):118-129. [ISSN: 0368 – 3308].	–

Book Chapters:

1. Devi, A.E., Majumder, A., **Banerjee, P.,** and Mukhopadhyay, A. (2026). **Application of Hybrid Nano-Biocatalytic Systems for Environmental Remediation.** *In*: *Hybrid Nano Biocatalytic System for Environmental Remediation*, Eds: P. Banerjee and M.P. Shah. Apple Academic Press, USA (*Submitted*).

2. Acharya, V., Devi, A.E., **Banerjee, P.,** and Mukhopadhyay, A. (2026). **Carbon Nanotube-Based Biocatalysts for Wastewater Treatment.** *In*: *Hybrid Nano Biocatalytic System for Environmental Remediation*, Eds: P. Banerjee and M.P. Shah. Apple Academic Press, USA (*Submitted*).
3. **Banerjee, P.**, Sarkar, I. and Bhattacharya, K. (2025). **Policy, ethics, and public engagement for AI based microbial circularity**. *In*: *Next-Gen Omics,* Ed: P. Bhambri. Apple Academic Press, USA (*Submitted*).
4. Roy, R.B., Majumder, A., Mukhopadhyay, A., and **Banerjee, P.** (2026). **Migratory waterfowl as a tool for long term monitoring of natural wetlands: Case study from Ramsar Sites of Eastern India.** *In*: *Ecological Disturbance and Faunal Persistence*, Eds: V.M. Makwana and P.P. Dodia. Apple Academic Press, USA (*Submitted).*
5. Devi, A.E., Panja, S. and **Banerjee, P.** (2026). **Metal Recovery from Jarosite Waste Using Green Technology.** *In*: *A Handbook on the Sustainable Recycling and Resource Recovery of Jarosite, Red Mud, and Blast Furnace Slag: A Circular Economy Perspective*, Eds: S. Manna, P. Das, V.K. Singh, A.K. Behera, and V. Srivastava. Springer Nature, Singapore (*Under Revision*).
6. Bose, S., Samajpati, I., Das, M., Mukhopadhyay, A. and **Banerjee, P.** (2026). **Drought-Resilient Crop Improvement and Agro-Biodiversity**. In: *Climate-Smart Agriculture: Solutions for Arid Environments*, Eds.: I.P. Singh and R. Agarwal. CABI Publishers, UK. (*Revision Submitted*)
7. Bose, S., Mukhopadhyay, A. and **Banerjee, P.** (2026). **Community-Based Approaches and Farmer Education: A Pathway to Sustainable Agriculture in Arid Regions**. In: *Climate-Smart Agriculture: Solutions for Arid Environments*, Eds.: I.P. Singh and R. Agarwal. CABI Publishers, UK. (*Revision Submitted*)
8. Goswami, C., Chakraborty, S. and **Banerjee, P.** (2026). **Management and subsequent reuse of plastic microfibres released from textile industry**. In: *Microplastics Pollution in Aquatic Ecosystems: Challenges and Perspectives*. Eds.: S. Kumar and I. Sarkar. Apple Academic Press, USA (*Revision Submitted).*
9. Goswami, M.R., Roy, R.B. and **Banerjee, P.**, and Mukhopadhyay, A. (2025). **Recent advances in floating treatment wetlands for sustainable wastewater treatment**. *Integrated Treatment Systems for Industrial Effluents - Advances and Challenges*. Springer Nature (*Revision Submitted*).
10. Majumder, A., Naskar, S., Chakrabarty, D., Mukhopadhyay, A. and **Banerjee, P.** (2026). ***Adapting Urban Infrastructure for Better Air Quality: Case Studies and Innovations***. *In*: Air Quality Management Policies, Innovations, and Case Studies. Ed: A.K. Rathoure. Apple Academic Press, USA [ISBN: 978-177-96-4543-2] (*Proof awaited).*
11. Mitra, P., and **Banerjee, P.** (2026). **Water reclamation from industrial effluents: management, treatment & reuse perspectives**. (*Proof submitted*).
12. Mitra, P., and **Banerjee, P.** (2026). **Role of the conventions in the conservation and wise use of wetlands.** *In*: *Wetland Management for Biodiversity Conservation and Climate Change Mitigation*. Eds: A.K. Rathoure, R. Rani and P. Banerjee. Apple Academic Press, USA. Pp. 333–351. [ISBN: 978-177-96-4269-1].
13. Dutta, R., Ghosh, S., **Banerjee, P.** and Bakshi, M. (2026). **Climate risks in coastal mangrove wetlands of India: threats, vulnerabilities, and restoration challenges.** *In*: *Wetland Management for Biodiversity Conservation and Climate Change Mitigation*. Eds: A.K. Rathoure, R. Rani and P. Banerjee. Apple Academic Press, USA. Pp. 173–194. [ISBN: 978-177-96-4269-1].
14. Mitra, P., Bakshi, M., **Banerjee, P.**, and Ghosh, S. (2026). **Application of biochar in microbial fuel cell (MFC)**. In: *Microbial and biochar technology for waste valorization*. Eds: F. Darvishi, M.P. Shah, D. Haldar and P. Banerjee. Academic Press (Elsevier Imprint), USA. Pp. 265-290 (**DOI**: 10.1016/B978-0-443-27763-4.00021-0) [ISBN: 9780443277634].
15. **Banerjee P.**, Ghosh, S. and Bandopadhyay, S. (2025). **Ecotoxicological and reusability aspects of organic pollutant bearing effluents treated using ceramic membrane coupled bioreactors**. *In*: *Application of Low Cost Ceramic Membranes in Wastewater Treatment*. Springer, Singapore. Pp. 319 – 345. (**DOI**: 10.1007/978-981-97-5842-5_12) [ISBN: 978-981-97-5841-8].

16. Acharya, V., Bhattacharya, S., Jakka, V., **Banerjee, P.**, Mukhopadhyay, A., Das, P., and Sengupta, S. (2025). **Futuristic augmentation of various industrial wastes for the green recovery of high-valued metal ions**. *In*: *Metal Value Recovery from Industrial Waste Using Advanced Physicochemical Treatment Technologies.* Eds.: D. A. Giannakoudakis, P. Das, P. Pal, J. Nayak, and S. Chakrabortty (pp. 393-447). Elsevier. (**DOI**: 10.1016/B978-0-443-21884-2.00014-9) [ISBN: 978-044-321884-2].
17. Rakshit, A., Nandi, A. and **Banerjee, P.** (2024). **Microbial removal of endocrine disrupting chemicals from wastewater**. *In*: *Microbes and Enzymes for Water Treatment and Remediation*. Eds.: A.K. Nadda, P. Banerjee, and S. Sharma. CRC Press, USA. Pp. 190-210. (**DOI**: 10.1201/9781003517238-10) [ISBN: 978-103-285075-7].
18. **Banerjee, P.**, Sharma, K., Nadda, A. K., and Mukhopadhayay, A. (2024). **Application of potential extremophilic bacteria for treatment of xenobiotic compounds present in effluents**. *In*: *Microbes and Enzymes for Water Treatment and Remediation*. Eds.: A.K. Nadda, P. Banerjee, and S. Sharma. CRC Press, USA. Pp. 170-189. (**DOI**: 10.1201/9781003517238-9) [ISBN: 978-103-285075-7].
19. **Banerjee, P.** and Mukhopadhayay, A. (2024). **Impact of extreme weather events on crop health: challenges and strategies for mitigation**. *In*: *Dynamics of Climate Change Indian Scenario – Perspectives on History and Culture*. Eds: M. Desai, S. Mitra and S. Halder. EBH Publishers, Guwahati, Assam. Pp. 137-152. [ISBN: 978-939- 203884 -6].
20. **Banerjee, P. (**2023). **Sustainable tourism in the hilly areas**. *In: ENVIROAMICA - A Newsletter from Department of Environmental Science, Netaji Nagar College for Women.* 1(1): 7-8.
21. Bhattacharya, S., **Banerjee, P.**, and Das, P. (2023). **Graphene oxide-based nanocomposites for wastewater treatment.** *In: Carbon composites: composites with nanotubes, nanomaterials and graphene oxide.* Eds: E.A. Castro, A.R. Abraham and A.K. Haghi. Apple Academic Press, USA. Pp. 79-116. [ISBN: 978-177-491249-2].
22. Sharma, S., Gupta, S., Kaur, S., Kumar, D., **Banerjee, P.**, and Nadda, A.K. (2023). **Polymeric membranes for water treatment.** *In: Membranes for Water Treatment and Remediation.* Eds: A.K. Nadda, **Banerjee, P.**, S. Sharma and P. Nguyen-Tri. Springer Nature, Singapore. Pp. 1-22. (**DOI**: 10.1007/978-981-19-9176-9_1) [ISBN: 978-981-19-9175-2].
23. Zaman, A., Chakraborty, J., Santra, S., Gabi, B., Orasugh, J.T., **Banerjee, P.**, and Chattopadhyay, D. (2023). **Removal of toxic emerging pollutants using membrane technologies.** *In: Membranes for Water Treatment and Remediation.* Eds: A.K. Nadda, **Banerjee, P.**, S. Sharma and P. Nguyen-Tri. Springer Nature, Singapore. Pp. 157-208. (**DOI**: 10.1007/978-981-19-9176-9_7) [ISBN: 978-981-19-9175-2].
24. Nandi, A., Rakshit, A., and **Banerjee, P.** (2023). **Resource recovery from wastewater using polymeric membranes.** *In: Membranes for Water Treatment and Remediation.* Eds: A.K. Nadda, **Banerjee, P.**, S. Sharma and P. Nguyen-Tri. Springer Nature, Singapore. Pp. 227-248 [DOI: 10.1007/978-981-19-9176-9_9; ISBN: 978-981-19-9175-2].
25. Bhattacharya, P., and **Banerjee, P.** (2023). **Antibacterial and antifouling properties of membranes.** *In: Membranes for Water Treatment and Remediation.* Eds: A.K. Nadda, **Banerjee, P.**, S. Sharma and P. Nguyen-Tri. Springer Nature, Singapore. Pp. 249-276. (**DOI**: 10.1007/978-981-19-9176-9_10). [ISBN: 978-981-19-9175-2].
26. **Banerjee, P.** (2023). **Life cycle analysis of polymeric membrane-based processes.** *In: Membranes for Water Treatment and Remediation.* Eds: A.K. Nadda, **Banerjee, P.**, S. Sharma and P. Nguyen-Tri. Springer Nature, Singapore. Pp. 277-292. (**DOI**: 10.1007/978-981-19-9176-9_11) [ISBN: 978-981-19-9175-2].
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I hereby confirm that all information provided herein is true to the best of my knowledge.

Thanking you,

Priya Banerjee

Dr. Priya Banerjee