



# PhD supervisor



Associate Professor  
School of Life Sciences  
Department of Ecology and Environmental Sciences  
Pondicherry University, Puducherry, India



Language(s): English, Bengali, Hindi

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Research gate: <https://www.researchgate.net/profile/Subhankar-Chatterjee-2>

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## Potential areas for PhD supervision:

- Waste management & Pollution mitigation
- Determination of plastic/microplastic loads in the urban and rural water bodies and their environmental effect
- Climate migration

## Supervising experience:

- 4 PhD students (2 Awarded & 2 ongoing)
- 43 MSc students

## Employment history in last 5 years:

- 2012 – 2022: Dept. Of Environmental Sciences, School of Earth and Environmental Sciences, Central University of Himachal Pradesh, Dharamshala, H.P., India
- 2022 – present: Dept. of Ecology & Environmental Sciences, School of Life Sciences, Pondicherry University, Puducherry, India

## Membership of professional association:

Since 2008 ... Alumni of Alexander von Humboldt Foundation, Germany

## Education – since bachelor degree:

~ PhD in Science

2002-2007, Jadavpur University, Kolkata, West Bengal, India; Graduate work was carried out at Department of Microbiology, Bose Institute, Kolkata, India.

~ MSc in Chemistry

1997-1999, University of Calcutta, Kolkata, West Bengal, India; Presidency College, Kolkata.

~ BSc in Chemistry (Honrs.)

1994-1997, University of Calcutta, Kolkata, West Bengal, India



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**URGENT – Urban Resilience and Adaptation for India and Mongolia**  
<https://urgent-project.net>



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## Selected recent papers:

1. Mahajan, R<sup>†</sup>., Verma, S<sup>†</sup>., **Chatterjee, S\***. Biodegradation of Organophosphorus pesticide Profenofos by the bacterium Bacillus sp. PF1 and elucidation of initial degradation pathway. **Environmental Technology** (Taylor & Francis), **2021**. In Press. DOI:10.1080/09593330.2021.1976282 [2020 IF: 3.247; Citation: 1]
2. Verma, S., Singh, D., **Chatterjee, S\***. Malathion biodegradation by a psychrotolerant bacteria Ochrobactrum sp. M1D and metabolic pathway analysis. **Letters in Applied Microbiology** (Wiley), **2021**. 73 (3): 326-335. Link: doi:10.1111/lam.13517 [2020 IF: 2.85; Citation: 2].
3. Sharma, S\*, Sharma, V., **Chatterjee, S\***. Microplastics in the Mediterranean Sea: Sources, Pollution Intensity, Sea Health and Regulatory Policies. **Frontiers in Marine Science, section Marine Pollution** (Frontiers), **2021**, 8: 494 [2020 IF: 4.91; Citation: 6].
4. Verma, S., **Chatterjee, S\***. Biodegradation of Profenofos, an acetylcholine esterase inhibitor by a psychrotolerant strain Rahnella sp. PFF2 and degradation pathway analysis. **International Biodeterioration & Biodegradation** (Elsevier), **2021**, 158:105169 [2020 IF: 4.32; Citation: 7].
5. Verma, S., Singh, D., **Chatterjee, S\***. Biodegradation of Organophosphorus pesticide chlorpyrifos by Sphingobacterium sp. C1B, a psychrotolerant bacterium isolated from apple orchard in Himachal Pradesh of India. **Extremophiles** (Springer), **2020**, 24: 897–908 [2020 IF: 2.39; Citation: 8].
6. Mahajan, R., Verma, S<sup>†</sup>., Kushwaha, M<sup>†</sup>., Singh, D., Akhter, Y\*, **Chatterjee, S\***. Biodegradation of di-n-butyl phthalate by psychrotolerant Sphingobium yanoikuyae strain P4 and protein structural analysis of carboxylesterase involved in the pathway. **International Journal of Biological Macromolecules** (Elsevier), **2019**, 122:806-816 [2020 IF: 6.95; Citation: 20]
7. Sharma, S., **Chatterjee, S\***. Microplastic Pollution, a Threat to Marine Ecosystem and Human Health: A Short Review. **Environmental Science and Pollution Research**, (Springer), **2017**, 24:21530–21547. [2020 IF: 4.22; Citation: 456]

Google Scholar	
Total Publications	32
Citations	1353
h-index	16
i10- index	17
Cumulative Impact Factor	102.63 (Clarivate)

