

Dr. Sharadia Dey

❖ Education:

- Ph.D in Department of Environmental Science, The University of Burdwan, West Bengal, India – August 2016(Title of Ph.D Thesis: Characteristics of ambient air pollutants and meteorological phenomena over an urban area of eastern India with an emphasis on their future projected scenario)
- M.Sc in the Department of Atmospheric Science, Ballyganj Science College, University of Calcutta, West Bengal , India – 2009
- B.Sc in Chemistry (Honours), Physics and Mathematics, Department of Chemistry, St. Xavier’s College, Kolkata, India(2007)

❖ Research interest:

- Air quality and meteorology

❖ Teaching experience:

- Assistant Professor, Bengal Institute of Technology & Management, Santiniketan, India from December, 2009 to November,2015

❖ Research experience:

- Postdoctoral Fellow in University of KwaZulu – Natal, Scottsville, South Africa from January 2016 to June, 2017.

• OTHER RELEVANT INFORMATION:

| Sl. No | Achievements/ Activities/ Awards | Year/ During | Organised/awarded by |
|--------|--|--------------|--|
| 1. | Qualified the Entrance Examination for Ph.D Programme in University of Burdwan in 2011 | 2011 | Department of Environmental Science in The University of Burdwan, West Bengal, India |
| 2. | Won “Young Scientist Award” at Second International Conference on “Mother Earth: Save It to Achieve a Sustainable Future for All”. | 2014 | Department of Environmental Science in The University of Burdwan, West Bengal, India |
| 3. | Best paper presentation at 2 nd World Clean Environment Summit in Science City ,Kolkata | 2018 | International Benevolent Research Foundation (IBRF), Kolkata and World Environment Foundation. |

❖ Publications:

Published papers in international journals:

- Dey, S., Gupta, S., Chakraborty, A. and Sibanda, P.(2018). “Influences of boundary layer phenomena and meteorology on ambient air quality status of an urban area in eastern India”. *Atmósfera* 31(1), 69-86 (2018) doi: 10.20937/ATM.2018.31.01.05.

- **Dey, S,** Gupta, S., Sibanda, P. and Chakraborty A. (2017). “Spatio-Temporal Variation and Futuristic Emission Scenario of Ambient Nitrogen Dioxide over an Urban Area of Eastern India Using GIS and Coupled AERMOD±WRF Model”. PLoS ONE 12(1): e0170928. doi:10.1371/journal.pone.0170928.
- Almakki, M., **Dey, S,** Mondal, S and Sibanda, P. (2017). On Unsteady Three-Dimensional Axisymmetric MHD Nanofluid Flow with Entropy Generation and Thermo-Diffusion Effects on a Non-Linear Stretching Sheet. Entropy 19, 168; doi:10.3390/e19070168, 1 – 27.
- **Dey, S.,** Sibanda, P., Gupta, S. and Chakraborty, A. (2017). Occurrence of High Nocturnal Surface Ozone at a Tropical Urban Area. International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering Vol:11, No:2, 36 – 44.
- **Dey, S.,** Gupta, S. and Mahanty, U. 2014. IOSR Journal of Environmental Science, Toxicology And Food Technology (IOSR-JESTFT). Study of particulate matters, heavy metals and gaseous pollutants at Gopalpur (23°29'52.67" N, 87°23'46.08"E), a tropical industrial site in eastern India, 2014, Vol: 8 (2), 01-13

Published Papers in Book Chapters:

- **Dey, S.,** Pati, C. and Gupta, S. (2014). Measurement and Analysis of Surface Ozone and Its Precursors at Three Different Sites in an Urban Region in Eastern India. Environica Vol – I, Levant Books, India, 112 – 120.

Papers presented in Conference/ Seminars/ Workshops/Symposia

| Sl.No. | Title of the Paper presented | Title of Seminar/ Conference with date | Organized by | International/National/ State/University level |
|---------------|---|---|---|---|
| 1. | Characteristics of Atmospheric Boundary Layer in Pre monsoon and Monsoon seasons over Kolkata | National Conference on Recent Advances on Mathematics, Engineering & Management [RAMEM-2014] IIPC (AICTE sponsored) initiative March 22 nd & 23 rd , 2014 | Bengal Institute of Technology and Management, Santiniketan | National |
| 2. | Measurement and analysis of surface ozone and its precursors at three different sites in an urban region in eastern | Second International Conference on “Mother Earth: Save It to Achieve a Sustainable Future for All. 10 th Dec. – 12 th Dec, 2014 | The University of Burdwan, West Bengal, India | International |
| 3. | Multivariate methods for predicting the air pollutants in an urban atmosphere | 59 th Annual congress of the South African Mathematical Society 2 – 4 November, 2016 | University of the Western Cape, South Africa | International |

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| 4. | Spatio-temporal variation of PM ₁₀ and heavy metals over an urban area in Eastern India | 2 nd World Clean Environment Summit 16 – 18 th July, 2018 | International Benevolent Research Foundation (IBRF), Kolkata and World Environment | International |
| 5. | Finding the possible facts of spatio-temporal variation of AOD over the lower part of Ganges Plains of West Bengal | Conference of Indian Aerosol Science and Technology Association 2018 on “Aerosol Impacts: Human Health to Climate Change” | Centre for Atmospheric Sciences Indian Institute of Technology Delhi | National |
| 6. | Atmospheric environment of an urban area in Eastern India | India International Science Festival 2019 held during November 5 – 8, 2019 | Ministry of Science and Technology, Ministry of Earth Sciences Ministry of Health Family Welfare, Government of India | National |

Papers published in national/International Conference/Seminar

| Sl.No. | Title of the paper and its details | Title of Seminar/Conference with date | Organized by | International/National/State/University level |
|--------|---|--|---|---|
| 1. | Analyzing and predicting the criteria pollutants over a tropical urban area by using statistical models. Vol: 3, 336 – 348. ISSN 2374-3948 (online) | International Conference on Computational Methods (ICCM) Berkeley, CA, USA August 1 st – 4 th , 2016 | University of California, Berkeley, CA, USA | International |

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| 2. | Occurrence of High Nocturnal Surface Ozone at a Tropical Urban Area. | International Conference on Environmental and Ecological Engineering (ICEEE 2017) Kuala Lumpur, Malaysia February 12 th -13 th , 2017 (Published online) | World Academy of Science, Engineering and Technology | International |
| 3. | Effect of meteorological parameters on microbial in urban air | XXI National Conference on Aerobiology held during November 18 - 20 | Department of Botany, Visa Bharati | National |

Courses/workshops attended

Successfully completed the course of ProAct Digital Teacher on Online Teaching between 15 – 20 June, 2020 organized by Loyola Institute of Business Administration.