

Dr. RAJESHWARI ROY

Academic qualifications:

- Ph.D. degree in Environmental Science (2018) [thesis entitled *Studies on Some Aspects of Environmental Stresses and Habitat Wise Distribution of Common Birds in Nadia District, West Bengal* in Department of Environmental Science, University of Kalyani.]
- Completed M.Sc in Environmental Science from University of Kalyani (2010).
- Completed B. Sc. with Botany (honours) from Bethune College under University of Calcutta (2008).

Publications

1. Nilimesh Majumder, Sreema Panja, **Rajeshwari Roy**, and Monisha Hembram, Pros and Cons of establishing a Sustainable township - a Case Study at New Town, Kolkata, India, *International Journal of Novel Research and Development*, 9(2), 2024, pp a68 – a72.
2. **R. Roy** and R. Bhabuk, S. Chatterjee, Arsenic pollution: an assessment of the gap between awareness and practice, *Education, Research & Analysis*, 9 (11), 2022, pp 70-74.
3. Sulagna Halder and **Rajeshwari Roy**, Human behavior and Environment: A Tangle, *Vidyabharati International Interdisciplinary Research Journal*, International Multidisciplinary Conference on Environment: Issues, Challenges, Impact & Steps Towards Sustainable Development, 24th September 2022, pp – 895 – 898.
4. Sulagna Halder and **Rajeshwari Roy**, Human behavior and Environment: A Tangle, *Vidyabharati International Interdisciplinary Research Journal*, International Multidisciplinary Conference on Environment: Issues, Challenges, Impact & Steps Towards Sustainable Development, 24th September 2022, pp – 895 – 898.
5. **Rajeshwari Roy**, A Review On The Ordure Of The Covid-19 Pandemic In India, *Vidyabharati International Interdisciplinary Research Journal, Special Issue on Living Sustainably in Harmony With Nature (June-August 2022)*, pp 68 – 72.
6. Susmita Karmakar, **Rajeswari Roy**, Arijita Bhattacharyya, Biswajit Kar, Sanjeev Kumar, Ritu Singh, Kuldeep Bauddha, Narendra Kumar, *Rhizobacteria assisted phytoremediation of oily sludge contaminated sites*, Chapter in book *Advances in Microbe assisted Phytoremediation of Polluted Sites*, Edited by Kuldeep Bauddh and Ying Ma, Elsevier, 2022, pp 403 – 411.
7. **Rajeshwari Roy**, *The Decade of Global Ecosystem Restoration and The Pandemic – A Discussion*, International Chapter Book on Environment and Education, Red'shine Publication, Sweden, (2022), pp 117 – 120.
8. **Rajeshwari Roy**, Birajlakshmi Ghosh, *Global Environmental Issues- Ozone Layer Depletion, Acid Rain, Greenhouse Effect, Carbon Footprint*, International Edited Book on Multidisciplinary Subjects for Research-VII Vol-1, Red'shine Publication, Sweden, (2021),

pp 77 – 85.

9. **Rajeshwari Roy**, *Environment And Ecosystem-Concept, Man-Made And Natural Disaster*, International Edited Book On Environmental Education, Red'shine Publication, Sweden, (2021), pp 34 – 49.
10. Sauvik Bose, **Rajeshwari Roy** and R. Bhattacharya, *The adversity of wireless connectivity on birds: A Relook*, JISU Journal of Multidisciplinary Research (JISUMR), (2020), pp 279 – 284.
11. **Rajeshwari Roy**, Paushali Guha Sarkar, *Environmental Education and Its Sustainability In India: A Relook*, Essays On Education, N.B. Publications, (2020), pp 126 – 131.
12. Susmita Karmakar, Arijita Bhattacharyya, Bappa Ghosh, **Rajeshwari Roy**, Sanjeev Kumar, Biswajit Kar and Gautam Saha, *Suitability of Coupling Application of Organic and Inorganic Fertilizers for Crop Cultivation*, Springer Nature Singapore Pte Ltd, K. Buddh *et.al.*, (eds.), Ecological and Practical Application of Sustainable Agriculture, (2020), pp 149 – 177.
13. Sauvik Bose, **Rajeshwari Roy et. al.**, *Impressions of High Frequency Radio-Waves from Cell Phone Towers on Birds: A Base-Line Study*, JISU Journal of Multidisciplinary Research (JISUJMR), Vol:1 (1), (2019) pp 64 – 72.
14. **R. Roy** and R. Bhattacharya, *Environmental stresses on common birds and possible conservation mechanism*, Journal of Science, Engineering, Health, Management and Science, (2017), vol: 2(2), pp 21-26.
15. **R. Roy**, R Bhattacharya, *Electromagnetic Radiation from Mobile Towers and Diversity of Natural Nests*, Proc. MDCCT, IETE, Burdwan University, (2016), pp 49-51.
16. **R. Roy**, R Bhattacharya, *Status of Women in Environment*, Proc. Int. Seminar on Women's Empowerment, (2015) , pp 85-89.
17. R Bhattacharya, **R Roy**, *Impact of Electromagnetic Pollution from Mobile phone towers on Local Birds*, International Journal of Innovative Research in Science, Engineering and Technology, vol: 3, Spl 2, (2014), pp 32-36.
18. R Bhattacharya, **R Roy**, *Habitat wise distribution of local birds in vicinity of Krishnanagar*, Proceedings of National Conference on Challenges in Biodiversity and Resource Management, (2014), pp 179-187.
19. **R. Roy**, R Bhattacharya, *Impact of urbanization on Avians: An overview*, Contemporary issues on Environment and Development in India and Adjacent Countries, Sandhya Prakashani, (2013), pp 501-507.
20. R Bhattacharya, **R Roy**, R Das, *Diversity and Distribution of Local Birds Beside the tropic of Cancer*, International Journal Of Environmental Sciences, vol:3, no: 5, (2013), pp 1322-1329
21. R Bhattacharya, **R Roy**, *Impacts of Communication Towers on Avians: A Review*,

International Journal of Electronics and Communication Technology, vol: 4, no: spl-1, (2013), pp 148-150.

22. R Bhattacharya, **R Roy**, C Goswami, *Studies on the response of House Sparrows to artificial nest*, International Journal Of Environmental Sciences, vol: 1, no: 7, (2011), pp 1574-1581

23. R Bhattacharya, **R Roy**, S Ghosh, A Dey, *Observations on house sparrow at Bandel, Hoogly*, Proceedings of National Seminar on Biodiversity, Water resource and Climate change issues, March 10, 2010, Department of Environmental Science, Kalyani University, (2010), pp 147-152.

Book Editing

1. Member of Editorial Board, International Chapter Book on Environmental and Education, Red'shine Publication, Sweden, February, 2022.

Recognition of works

- Best Paper award for the paper entitled “Environmental stresses on common birds and possible conservation mechanism”, in National Conference on Progress in Bioengineering and Environmental Management (NCPBEM) 2017, organized by Techno India University, West Bengal on 20th and 21st April, 2017.
- Outstanding paper award for the paper entitled “The sweetness is sweeter than only a sweet: Jaggery as a decomposer”, in 26th West Bengal State Science and technology Congress , 2019, organized by Department of Science and technology and biotechnology, Govt. of West Bengal in March 2019.

Work Experience

- Working as a Guest Lecturer at the Department of Environmental Studies, Women’s College, Calcutta.
- Working as Guest Lecturer at the Department of Environmental Studies, Rabindra Bharati University (since 2016).
- Empaneled as an Academic counselor for six courses in Environmental Science at Kolkata Center of Indira Gandhi Open University (IGNOU).

Invited Lecture

- Delivered presentation entitled “non-conventional energy and sustainability” on 25th October, 2022, in a Week-long online Crash Course on Understanding environment, organized by the Department of Environmental Science in collaboration with IQAC of S. R. Fatepuria College, Beldanga, Murshidabad, West Bengal.

Work Experience

- Worked as Guest Lecturer in Management Development Program on CARBON CREDIT MANAGEMENT organized by Micro Small Medium Entrepreneur Development Institute

(MSME-DI), Govt. of India on 29.11.2011.

Other Skills

- Completed **Basic Courses on Computer** from a Private Institution.
- Completed Entrepreneurship and Skill Development Program (ESDP) on **DTP with Scanning and printing** conducted by MSME-DI, Govt. of India.
- Completed training on **Solar Light Assembling and Maintenance**, from Saviours And Friend of Environment (SAFE) in collaboration with Onergy.
- Completed **English Upper Intermediate course** (Module 2) from British Council Kolkata.
- Completed one month National Level Workshop on **SPSS- Statistical Software** from ESSGEE DIGISKILLS.
- Completed **Faculty Development Program (FDP) on Geospatial Technology on Natural Resources** from Amity Institute of Environmental Sciences and Amity Institute of Social Sciences, Amity University, Kolkata.
- Successfully completed online **Two-week Inter-disciplinary Refresher Course in Environmental Science**, organized by Teaching Learning Center, Ramanujan College, University of Delhi, from 28th December, 2022 to 11th January, 2023, with **Grade A+**.

Rajeshwari Roy