



## NSHM Knowledge Campus, Durgapur,

### Research Publications

#### A. Journal Publications

1. Misra, K., Mukherjee, S., Ghosh, B. M., & Sarkar, S. (2025). Progress in chemoinformatics through the application of machine learning. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 12(1), 1–10.
2. Ghosh, B. M., Jana, P., Banerjee, L., & Chakroborty, S. (2025). Nutritional significance and health-promoting potential of Solanaceae family vegetables: A comparative review in Asia and Europe. *International Journal for Multidisciplinary Research (IJFMR)*, 7(5). <https://doi.org/10.36948/ijfmr.2025.v07i05.57591>
3. Ghosh, B. M. (2025, January). Navigating sustainability in Asia: Challenges, opportunities, and pathways for the future. *PIBM Management Journal*, 8.
4. Ghosh, B. M. (2024). A case study on green packaging practices between two leading e-commerce platform of India. *International Journal of Creative Research Thoughts*, 12(1), 45–47.
5. Ghosh, B. M. (2024). Case study: Mangrove phyllosphere fungal populations in agro-waste management. *Journal of Microbiology & Experimentation*, 7(1), 1–3.
6. Mridha Ghosh, B., & Gangopadhyay, A. (2018). Assessment of carbon monoxide load at ambient air in Burdwan, West Bengal – India, in post Kyoto era. *ZENITH International Journal of Multidisciplinary Research*.
7. Mridha Ghosh, B., & Gangopadhyay, A. (2016). An empirical study on trend of corporate environmentalism in India. *Journal of Business Management & Social Sciences Research (JBM&SSR)*.
8. Mridha Ghosh, B. (2014, July). An empirical case study on critical success factor of corporate environmentalism within selected industries of West Bengal, India. *JBM&SSR*, 3(7), 42–47.
9. Mridha Ghosh, B. (2012, December). Contemporary trends of corporate environmentalism in iron industry, with special reference to West Bengal. *International Journal of Scientific and Research Publications*, 2(12).

10. Ghosh, B., & Mridha, D. K. (2011). Integrated eco-efficient energy model to control energy expenditure of star hotel. Knowledge Hub: International Journal, 7(2-2), 123-132.

## **B. Book Chapters**

1. Mridha Ghosh, B., Roy, R., Das, P., & Basu, D. (2025). A review on biochemical and nutritional characterization of selected solanaceous vegetables. In *Advances and innovations in agriculture and allied sciences* (pp. 35-40). Bhumi Publishing.
  2. Mridha Ghosh, B. (2025). Modern agricultural innovations in India: Pathways to productivity and sustainability. In *Modern practices in agricultural science* (Vol. II, pp. 126-129). Bhumi Publishing.
  3. Mridha Ghosh, B., & Chakraborty, A. (2025). Rising to the challenge: A case study analysis of urban climate resilience. In *The Republics of South Asia* (1st ed.). Global Authors Publication.
  4. Ghosh, B. M. (2024). Sustainable agricultural solid waste management through phyllosphere microbes. In *Futuristic trends in agriculture engineering & food sciences* (Vol. 3, Book 15, Part 4, Ch. 5, pp. 503-510). IIP Series.
  5. Mridha, S., & Ghosh, B. M. (2024). Envisioning an ideal education system: Perspectives from an Indian student. In *Issues in research and development* (pp. 197-219). Global Authors Publication.
  6. Ghosh, B. M. (2024). The Internet of Things emerged as savior of Earth. In *Emergence, issues & concern in advanced environment, applied science & informatics*. New Delhi Publishers.
  7. Ghosh, B. M., Mukherjee, S., Misra, K., Samanta, A., & Sarkar, S. (2024). *A journey through time: District administration from past to contemporary period*. In *Dynamics of research and development*. Global Authors Publication. ISBN 9789334108446.
  8. Ghosh, B. M. (2023). Customer relationship management in banking sector: What extra required. ISBN: 978-93-90734-15-3.
  9. Misra, K., Ghanta, U., Ghosh, B. M., Sarkar, S., et al. (2022, December). Analytical study of water resources and water quality parameters. In *Latest aspects of applied sciences & informatics: The paradigm shifting* (pp. 69-78). New Delhi Publishers.
  10. Sarkar, P., Sengupta, S., & Ghosh, B. M. (2022, December). Study on street food hygiene and its effect on public health in Durgapur, West Bengal, India. In *Latest aspects of applied sciences & informatics: The paradigm shifting* (p. 133). New Delhi Publishers.
- ### C. Conference Proceedings

1. Chakraborty, A., & Ghosh, B. M. (2025, Jan 16-17). Innovative strategies for urban climate resilience: An in-depth case study analysis. In *Proc. National Conf. on Sustainable Civil Engineering and Infrastructural Construction (NCSCEIC-2025)*.
2. Das, R., Maji, K., Debnath, R., Hazra, S., Ankura, U., Das, D., & Ghosh, B. M. (2025, Jan 16-17). Advances in rainwater harvesting

- systems: Technologies, applications, and sustainability. In Proc. NCSCEIC-2025.
3. Mridha Ghosh, B. (2025, August). The future of sustainability: Integrating environmental metrics, circular economies, and risk assessment in a changing world. In Proc. International Conf. on Emerging Trends in Multidisciplinary Research and Technology.
  4. Sarkar, S., Ghosh, B. M., Samanta, A., & Sain, S. (2024, December). Green marketing: Practice and opportunity for innovation in e-commerce. In Global Conference on Emerging Technologies Leading Towards Sustainable Entrepreneurship.
  5. Ghosh, B. M. (2024, December). The Internet of Things arose as our planet's savior. In same conference.
  6. Ghosh, B. M., Sarkar, S., Misra, K., Paramanik, N., & Hossain, S. R. (2023, Nov 17). Internet of Things in environmental protection – A universal approach for green globe. AIP Conference Proceedings, 2851, 030002.
  7. Ghosh, B. M. (2021, July 6–8). A case study on the transboundary river bank management of Asia. In Proc. Intl Conf. on BRICS NUs: Water Resources and Pollution Treatment (WRPT-21).
  8. Mridha Ghosh, B. (2007). Eco-tourism and energy consumption. In National Seminar on Environmental Management, Univ. of Burdwan.
  9. Mridha Ghosh, B. (2006). 'Solid waste' – An esoteric expedition for coming centuries. In National Seminar on Environmental Management, DIATM.