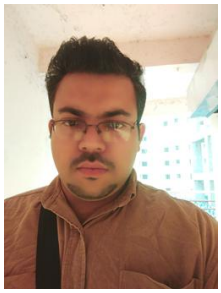
Publication Details



Department of Civil Engineering:

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Journal Articles

- **Avishek Adhikary, Suchhanda Mondal, Supriya Pal, & Sudipta Ghosh.** (2024). **Attenuation of aqueous Naphthalene through a constructed wetland system employing lightweight expanded clay aggregate**. *Journal of Hazardous, Toxic, and Radioactive Waste*, *28*(4), 103272. https://doi.org/10.1061/JHTRBP.HZENG-1426

Book Chapters

- **Sushmita Ghosh & Avishek Adhikary.** (2025). **Arsenic-laden drinking water treatment: A review**. In *Recent Advancements in Computational Intelligence and Design Engineering* (pp. 145–160). CRC Press. https://doi.org/10.1201/9781003595745
- **Avishek Adhikary.** (2025). **Transformation of heavy metals and amelioration of sodic and saline soils on wetland paddy fields: A review**. In *Recent Advancements in Computational Intelligence and Design Engineering* (pp. 161–175). CRC Press. https://doi.org/10.1201/9781003595745
- **Partha Adak & Avishek Adhikary.** (2025). **A review on stone columns used for ground improvement of soft soil**. In *Interdisciplinary Research in Science and Engineering* (pp. 176–190). Integrated Publications. https://doi.org/10.62778/int.book.478
- **Dibakar Golder & Avishek Adhikary.** (2025). **Investigation on using rice husk ash in concrete to replace a portion of cement**. In *Interdisciplinary Research in Science and Engineering* (pp. 191–205). Integrated Publications. https://doi.org/10.62778/int.book.478
- **Sushmita Ghosh & Avishek Adhikary.** (2025). **Elimination of arsenic and iron from water utilizing constructed soil filters**. In *Interdisciplinary Research in Science*

and Engineering (pp. 206–220). Integrated Publications. https://doi.org/10.62778/int.book.478

- **Abir Sarkar, Ashes Banerjee, Nilanjan Tarafder, Avishek Adhikary, Sunil Priyadarshi, & Debanjali Adhikary.** (2023). **Laterite soil: A potential cost-effective and sustainable ash pond liner**. Swami Vivekananda University. https://zenodo.org/records/11208122
- **Abir Sarkar, Ashes Banerjee, Nilanjan Tarafder, Avishek Adhikary, Sunil Priyadarshi, & Debanjali Adhikary.** (2023). **Heavy metal contamination levels in industrial areas near Durgapur: A rising concern**. Swami Vivekananda University. https://zenodo.org/records/11208122
- **Agami Pramanik, Avishek Adhikary, & Supriya Pal.** (2021). **Assessment of an open cast coal mine slope stability at Mohanpur Block, Raniganj Coalfield, West Bengal, India**. In *Geotechnical Challenges in Mining, Tunneling, and Underground Construction* (pp. 250–265). Springer. https://doi.org/10.1007/978-981-33-6346-5_66
- **Debasmita Datta, Abdul Waris, Avishek Adhikary, Supriya Pal, & Kalyan Adhikari.** (2022). **Assessment of efficacy of silty-sandy soil to treat carbendazim-laden wastewater**. In *Advances in Environmental Geotechnics* (pp. 300–315). Springer. https://doi.org/10.1007/978-981-19-5077-3_31
- **Chandrima Bhadra, Avishek Adhikary, Supriya Pal, & Kalyan Adhikari.** (2023). **Modeling of migration of Cr (VI) contaminant through clay liner using HYDRUS-3D**. In *Emerging Trends in Groundwater Management* (pp. 320–335). Springer. https://doi.org/10.1007/978-3-031-37596-5_20
- **Supriya Pal, Avishek Adhikary, Hirok Chaudhuri, Mrinal Kanti Mandal, Kashyap Kumar Dubey, Pankaj Kumar Roy, & Malabika Biswas Roy.** (2024). **Performance evaluation of seismic resisting potential of geo-composite liner in waste containment structures – Some case studies**. In *Environmental and Engineering Geology* (pp. 350–365). Springer. https://doi.org/10.1007/978-981-99-9581-3_4
- **Abir Sarkar (Ed.), Bishnu Pada Bose, Ashes Banerjee, Nilanjan Tarafder, Avishek Adhikary, Debanjali Adhikary, Sunil Priyadarshi, Samir Kumar, & Sarnali Sarkar (Eds.). (2024).** Recent Advances in Civil Engineering: Smart Cities and Artificial Intelligence**. Swami Vivekananda University.** https://zenodo.org/record/11208122

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