

CURRICULAM VITAE



AVISHEK ADHIKARY

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CAREER OBJECTIVE

To give a perfect curve to the opportunities provided by the organization by giving successful deliverance task performance through my knowledge & skill and being an efficient contributor in the success and advancement of the organization.

EDUCATIONAL QUALIFICATION

Class	Board/University	School / Institute	CGPA/ Percentage	Year of Passing	Specialization
PhD	NIT Durgapur	NIT Durgapur	-	2024	Geoenvironmental Engineering
M.Tech.	NIT Durgapur	NIT Durgapur	76.9	2017	Environmental Science and Technology
B.E.	The University of Burdwan	University Institute of Technology	78.5 (SGPA)	2014	Civil Engineering
12 th	C.I.S.C.E.	St. Xavier's School, Burdwan	75%	2010	Science
10 th	C.I.S.C.E.	Holy Rock School, Burdwan	83.43%	2008	-

ADDITIONAL QUALIFICATION

- Worked in Central Pollution Control Board Project under the supervision of Dr. SupriyaPal, Asso. Prof, Civil Eng., NIT Durgapur, from Dec 2021- Mar 2022.
- Prepared NBA report for Civil dept, NIT Durgapur, under the supervision of Dr. SupriyaPal.

TRAINING

- Summer training in June-July session, 2013 Under Mackintosh Burn Ltd. Krishnendu Pal, Engineer

- Summer training in June-July session, 2012 Under Dibendu Bose, Assistant EngineerPWD (Roads), Nabadweep, Burdwan division.

PROJECTS

- Constructed Wetland for remediation of Organic and Inorganic pollutants from wastewater.
- Amended Laterite Soil as liner material in ash ponds.

AREAS OF INTEREST

Geo-environmental Engineering, Environmental engineering.

SOFTWARE EXPERTISE

- HYDRUS

STRENGTH

- Good communication and adaptable skills
- Confident
- Ambitious
- Punctual
- Sincere
- Optimist

ACHIVEMENTS

- Have completed a course on Drawing and Tabla course from Bangiya Sangit Parishad

HOBBIES

- Listening to Audio Stories
- Singing
- Cooking

PERSONAL DETAILS

Date of Birth:	31/07/1991
Father's Name:	Tapas Adhikary
Permanent Address:	D.N.Sarkar Road, Sarbamangala Para, Burdwan-713101
Sex:	Male
Religion:	Hinduism
Nationality:	Indian
Marital Status :	Married

PROFESSIONAL SUMMARY

1. Designated in the Post of Senior Section Engineer (P-Way) at **Indian Railways** from August 2017- July 2018.
2. Got selected as Junior Engineer, West Bengal Public Service Commission, 2016.
3. Got selected as Junior Engineer (P-Way), North Frontier Railways.
4. Got selected as Ad-hoc faculty, NIT Andhra Pradesh, for the duration of February 2023- May 2023.
5. Currently working as an Assistant Professor in the Department of Civil Engineering at Swami Vivekananda University, Barrackpore from July, 2023.

PUBLICATIONS

(a) Journals and Book Chapters

1. **Avishek Adhikary**, Pradyumna Konar, Tapabrata Chakraborty, Supriya Pal, Sudipta Ghosh (2022) “**Efficacy Assessment of silty sandy soil as bed material in constructed wetland to treat Naphthalene-laden wastewater**” *Journal of Hazardous Toxic and Radioactive Waste* (ASCE) 26(2): 04021064. [https://doi.org/10.1061/\(ASCE\)HZ.2153-5515.0000670](https://doi.org/10.1061/(ASCE)HZ.2153-5515.0000670)
2. **Avishek Adhikary**, Debasmita Datta, Supriya Pal, Kalyan Adhikari, Sudipta Ghosh (2022) “**Assessment of subsurface migration and simultaneous removal of Carbendazim in simulated constructed wetland through physical and numerical modeling**” *Journal of Water Process Engineering* (Elsevier) 50: 103272. <https://doi.org/10.1016/j.jwpe.2022.103272>
3. **Avishek Adhikary**, Sandeep Kumar, Supriya Pal, Sudipta Ghosh, Hirok Chaudhuri, Mrinal Kanti Mondal (2023) “**Efficacy evaluation of silty-sandy soil and *Chrysopogon zizanioides* to attenuate doxycycline from wastewater in a Constructed wetland system**” *Journal of Environmental Engineering* (ASCE). 149 (6): 04023024. <https://doi.org/10.1061/JOEEDU.EEENG-7117>
4. **Avishek Adhikary**, Tapabrata Chakraborty, Pradyumna Konar, Supriya Pal, Sudipta Ghosh (2023) “**Attenuation of erythromycin-laden waste water using the constructed wetland technique**” *Environmental Geotechnics* (ICE). 11(7): 487-501. <https://doi.org/10.1680/jenge.22.00082>
5. **Avishek Adhikary**, Suchhanda Mondal, Jhilik Gantait, Supriya Pal, Sudipta Ghosh (2023) “**Evaluation of lightweight expanded clay aggregates (LECA) as bed material in constructed wetlands for attenuation of antibiotics**” *Journal of Environmental Engineering* (ASCE). 149 (11): 04023074. <https://doi.org/10.1061/JOEEDU.EEENG-7368>
6. Abdul Waris Kenue, Eedy Sana, **Avishek Adhikary**, Supriya Pal, Majid Hussain (2023) “**Assessment of Landfill Leachate and Its Surface and Subsurface Migration: Experimental and Numerical Investigations**” *Journal of Hazardous Toxic and Radioactive Waste* (ASCE) 27(4): 05023003. <https://doi.org/10.1061/JHTRBP.HZENG-1227>
7. Shyamal Kumar Dutta Mazumdar, **Avishek Adhikary**, Supriya Pal (2020) “**Efficacy of laterite soil mixed with bentonite and fly ash as liner in ash pond**” *Journal of Environmental Science and Engineering* (NEERI) 65(2): 1101-1109.
8. Joyprakash Naskar, Subhadeep Chowdhury, **Avishek Adhikary**, Supriya Pal, Sufia Khannam Kazy (2021) “**Strength enhancement of lateritic soil through mechanical mixing with magnetite nanoparticles, starch solution, and calcite precipitating bacteria**” *Arabian Journal of Geosciences* (Springer) 14:1901. <https://doi.org/10.1007/s12517-021-08243-4>
9. Shyamal Kumar Dutta Mazumdar, **Avishek Adhikary**, Supriya Pal (2019) “**Performance Assessment of amended laterite soil as liner material in ash pond structures**” *Journal of Indian Chemical Society* (Elsevier) 96:551-556.
10. **Avishek Adhikary**, Suchhanda Mondal, Supriya Pal, Sudipta Ghosh (2025) “**Attenuation of aqueous Naphthalene through a constructed wetland system employing lightweight expanded clay aggregate**” *Journal of Hazardous Toxic and Radioactive Waste* (ASCE). 29(1): 04024035. <https://doi.org/10.1061/JHTRBP.HZENG-1426>
11. Agami Pramanik, **Avishek Adhikary**, Supriya Pal (2021) “**Assessment of an Open Cast Coal Mine Slope Stability at Mohanpur Block, Raniganj Coalfield, West Bengal, India**” *Proceedings of the Indian Geotechnical Conference, Lecture Notes in Civil Engineering* 133:765-774. https://doi.org/10.1007/978-981-33-6346-5_66
12. **Avishek Adhikary**, Shyamal Kumar Dutta Mazumdar, Supriya Pal (2021) “**Efficacy Assessment of Amended Laterite Soil as a Subsurface Liner to Attenuate Migration of Contaminants in Leachate of Ash Pond Structures**” *Advances in Water Resource Management for Sustainable Use, Lecture Notes in Civil Engineering* (Springer) 131:99-107. https://doi.org/10.1007/978-981-33-6412-7_8
13. **Avishek Adhikary**, Pradyumna Konar, Tapabrata Chakraborty, Supriya Pal (2022) “**Assessment of Adsorptive removal of Naphthalene through Constructed Wetland using Physical and Numerical Modelling**” *Transportation and Environmental Geotechnics, Lecture Notes in Civil Engineering* (Springer) 298:283-296. https://doi.org/10.1007/978-981-19-6774-0_27
14. Abdul Waris Kenue, Eedy Sana, **Avishek Adhikary**, Majid Hussain, Supriya Pal (2022) “**Assessment of Subsurface Migratory Behavior of Lead (Pb) Laden Leachate Generated from a Waste Dumpsite in Srinagar, Kashmir, India**” *Recent Advances in Sustainable Environment, Lecture Notes in Civil Engineering* (Springer) 285:369-380. https://doi.org/10.1007/978-981-19-5077-3_30
15. Chandrima Bhadra, **Avishek Adhikary**, Supriya Pal, Kalyan Adhikari (2023) “**Modeling of Migration of Cr (VI) Contaminant Through Clay Liner Using HYDRUS-3D**” *Sustainable Advanced Technologies for Industrial Pollution Control, Springer Proceedings in Earth and Environmental Sciences* (Springer) pp: 271-286. https://doi.org/10.1007/978-3-031-37596-5_20
16. Debasmita Datta, Abdul Waris, **Avishek Adhikary**, Supriya Pal, Kalyan Adhikari (2022) “**Assessment of Efficacy of Silty-Sandy Soil to Treat Carbendazim-Laden Wastewater**” *Recent Advances in Sustainable Environment, Lecture Notes in Civil Engineering* (Springer) 285:381-387. https://doi.org/10.1007/978-981-19-5077-3_31
17. 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**” *BRICS Countries: Sustainable Water Resource Management and Pollution Control* (Springer) 111-117. https://doi.org/10.1007/978-981-99-9581-3_4

(b) Conference Proceedings

1. **Avishek Adhikary**, Tapabrata Chakraborty, Pradyumna Konar, Supriya Pal (2021) “**Fate and Removal of Antibiotics and Poly Aromatic Hydrocarbons in Constructed Wetland: A Numerical Modeling Approach**” *International Conference- BRICS Network University: Water Resources and Pollution Treatment [WRPT -21], NIT Durgapur.*
2. **Avishek Adhikary**, Pradyumna Konar, Tapabrata Chakraborty, Supriya Pal (2021) “**Assessment of Adsorptive removal of Naphthalene through Constructed Wetland using Physical and Numerical Modelling**” *Indian Geotechnical Conference 2021 (IGC 21).*
3. Debasmitta Datta, Abdul Waris, **Avishek Adhikary**, Supriya Pal, Kalyan Adhikari (2022) “**Assessment of Efficacy of Silty-Sandy Soil to Treat Carbendazim-Laden Wastewater**” *International Conference on Recent Advances on Sustainable Environment (RAiSE 2022).*
4. **Avishek Adhikary**, Supriya Pal (2022) “**Fate and removal of organic and inorganic contaminants using *Corchorus olitorius***” *The 9th International Groundwater Conference 2022 (IGWC22): Effective Management of (sub) surface Water Resources in Arid and Semi-arid regions, IIT Roorkee.*
5. Suchhanda Mondal, **Avishek Adhikary**, Supriya Pal (2022) “**Assessment of adsorption potential of lightweight expanded clay aggregates for removal of naphthalene from wastewater**” *The 9th International Groundwater Conference 2022 (IGWC22): Effective Management of (sub) surface Water Resources in Arid and Semi-arid regions, IIT Roorkee.*
6. Jhilik Gantait, **Avishek Adhikary**, Supriya Pal (2022) “**Removal of Doxycycline from wastewater using *Chrysopogon zizanioides* as bio adsorbent**” *The 9th International Groundwater Conference 2022 (IGWC22): Effective Management of (sub) surface Water Resources in Arid and Semi-arid regions, IIT Roorkee.*
7. **Avishek Adhikary**, Kashinath Chakravorty, Supriya Pal, Siddhartha Pal, Sufia Khannam Kazy, Fan Chuan-gang (2019) “**Bio-stabilization of cohesive soil through microbe mediated calcite precipitation**” *The 6th International Symposium on Soil and Groundwater (SG2019), Shenzhen China.*
8. Shyamal Kumar Dutta Mazumdar, **Avishek Adhikary**, Supriya Pal, Hirok Chaudhuri, Mrinal Kanti Mandal (2019) “**Potential use of Laterite soil mixed with Bentonite & Fly Ash as liner material in Ash Pond of Thermal Power Plant**” *The 6th International Symposium on Soil and Groundwater (SG2019), Shenzhen China.*
9. Trishna Sarkar, Kalyan Adhikari, **Avishek Adhikary**, Supriya Pal (2019) “**Assessment Migratory Behavior of Pb and Ni Through Laterite Soil Used as Landfill Liner in Waste Containment Structure**” *National Symposium on Waste Management and Resource Circulation, International Society of Waste Management, Air and Water.*

LANGUAGE KNOWN

Bengali, English, and Hindi

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge.

REFERENCES

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Phone: +91-9434788154, Email: spal.ce@nitdgp.ac.in
- Prof. Soumya Bhattacharyya, Professor, Department of Civil Engineering, National Institute of Technology Durgapur, Mahatma Gandhi Road, A-Zone, Durgapur-713209, West Bengal, India.
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