

Profile Page



Name : Dr Arya Anuj Jee

Designation : Assistant Professor Grade-ii

Department : Civil Engineering

Qualification : PhD Civil Engineering (IIT Guwahati)
M.Tech IEM (IIT Guwahati)
B.Tech Civil Engineering (MIT Muzaffarpur, Bihar)

Address : CE-301, Department of Civil Engineering
Dr. B. R. Ambedkar National Institute of Technology
Jalandhar
Jalandhar, Punjab - 144011

Email : jeeaa@nitj.ac.in

Phone : 9476589956

Research Interests :

“Durability study of concrete under aggressive environment”, “Non-destructive testing of concrete structures”, “Microstructure study of concrete”, “Corrosion monitoring in reinforced concrete structures”, “Sustainable construction materials”.

Other Profile Links :

Google Scholar Link :

Google Scholar [Click Here](#) ResearchGate [Click Here](#)

Personal Web Link :

Vidwan Profile [Click Here](#)

Journal Publications :

Year	Journal	Publication
2022	Journal of Building Engineering, vol. 56, pp 104813	Arya Anuj Jee and Bulu Pradhan, Long term effect of chloride and sulfates concentration, and cation allied with sulfates on corrosion performance of steel-reinforced in concrete
2022	Advances in Civil Engineering Materials, vol. 11, pp 175-203	Arya Anuj Jee and Bulu Pradhan, Effect of Combined Chloride-Sulfate Solutions and Associated Cation Types with Sulfate Ions on Corrosion Performance of Steel Rebar In Concrete
2022	ASCE-Journal of Materials in Civil Engineering, (In-Press)	Arya Anuj Jee and Bulu Pradhan, Effect of Magnesium Sulfate in Chloride Solution on Variation in Microstructure, Chloride Diffusion, and Chloride Binding Behaviour of Concrete

2019	Construction and Building Materials, vol. 212, pp 799-817	Arya Anuj Jee and Bulu Pradhan, Study on development of empirical relationships between durability parameters of concrete made with different types of binder and exposed to chloride environment
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Conference Publications :

Year	Conference	Publication
2017	International Conference on Sophisticated Instruments in Modern Research, ICSIMR-2017, IIT Guwahati, June 30 -July 1, 2017	Smrati Jain, Arya Anuj Jee and Bulu Pradhan, Application of modern techniques to evaluate microstructure of concrete
2015	UKIERI Concrete Congress, Jalandhar, November 2-5	Arya Anuj Jee and Bulu Pradhan, Performance of pozzolana blended cement vis-à-vis ordinary Portland cement against chloride ingress in concrete

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
	Occupational health hazards associated with E-waste handling, treatment, management, and case studies	ELSEVIER-Global E-waste Management Strategies and Future Implications	Loganath Radhakrishnan, J. Senophiyah Mary, Kumari Sweta, Arya Anuj Jee, Nityanand Singh Maurya, Anudeep Nema and Dayanand Sharma	https://doi.org/10.1016/B978-0-323-99919-9.00014-3	2022
	Durability of fly ash added reinforced concrete in chloride and composite chloride-sulfate environment. In Recent Advances in Structural Engineering, Volume 1 (pp. 773-785).	Springer, Singapore	Arya Anuj Jee and Bulu Pradhan	https://doi.org/10.1007/978-981-13-0362-3_63	2019
	Chloride ingress in concrete: effect of mix parameters, heating condition and exposure solution	RILEM publications SARL	Arya Anuj Jee and Bulu Pradhan	https://www.rilem.net/publication/publication/479?id_papier=10967	2016

Admin. Responsibilities :

Position Held	Organization	From	To
Coordinator- Concrete Technology Laboratory	NIT Jalandhar	16-02-2023	Till Date
Research and Industrial Liaisoning (RIL), Faculty and Staff Welfare - Coordinator	NIT Jalandhar	16-02-2023	Till Date