



### **Dr. Anant Lal Murmu**

Assistant Professor

Netaji Subhas University of Technology (West Campus),  
Jaffarpur, New Delhi – 110075

Email: anant.lal.murmu@nsut.ac.in, murmu.anant@gmail.com

Phone: +91 96019 36215

Dr. Anant Lal Murmu is working as an Assistant Professor in the Civil Engineering Department at NSUT WEST CAMPUS, Jaffarpur, New Delhi. Dr. Murmu completed his BTech (Civil Engineering) in 2010, MTech (Construction Technology and Management) in 2012 and PhD in Geotechnical Engineering from Visvesvaraya National Institute of Technology (NIT), Nagpur in 2020. His research area includes Geopolymer, Building Materials, Ground Improvement, Sustainable Construction Materials and Soil Stabilization. Dr. Murmu has over 5 years of teaching experience and has published several research articles in refereed journals. His paper titled “Towards Sustainable Bricks Production: An Overview” is among the top 100 cited papers of VNIT, Nagpur. He is also a Life member of the Institution of Engineers, India. Dr. Murmu is also serving as a reviewer for many international journals like Journal of Building Engineering, Environmental Earth Sciences, Building and Energy Environment, Development and Sustainability, and Environmental Science and Pollution research.

### **EXPERIENCE**

- Working as Assistant Professor at Netaji Subhas University of Technology, New Delhi from 14-12-2021.
- Worked at G H Raison Institute of Engineering and Technology, Nagpur from 2-11-2020 to 13-12-2021 as Assistant Professor and Head of the Department
- Worked at Nagpur Institute of Technology, Nagpur, from 22-08-2019 to 31-10-2020 as Assistant Professor
- Worked at Shree Labhubahi Trivedi Institute of Engineering and Technology, Rajkot, from 13-07-2021 to 06-08-2015 as Assistant Professor

### **EDUCATIONAL QULIFICATION**

- Completed PhD from Visvesvaraya National Institute of Technology, Nagpur, on 4<sup>th</sup> February 2020, with thesis titled Stabilization of Black Cotton Soil Using Geopolymer.
- Completed Master of Technology in Construction Technology and Management, from Visvesvaraya National Institute of Technology, Nagpur in the year 2012.
- Completed Bachelor of Technology in Civil Engineering from Visvesvaraya National Institute of Technology, Nagpur in the year 2010.
- Completed 12<sup>th</sup> from Fakir Mohan Junior College, Balasore, Odisha
- Completed 10<sup>th</sup> from Kendriya Vidyalaya, Ajni, Nagpur

### **PUBLICATION**

- Raut Ashwin N, Singh Ranjit, **Murmu, A. L.** & Khan, K. A. (2022), Evaluation of thermal and energy consumption of novel foamed copper slag based geopolymer masonry blocks. *Ceramic International*, 1-14, DOI: 10.1016/j.ceramint.2022.01.070
- Singh Ranjit, Raut Ashwin, **Murmu, A. L.** & Mohammad Jamil (2021), Influence of glass powder incorporated foamed geopolymer blocks on thermal and energy analysis of building envelope. *Journal of Building Engineering*, 43, 102520. DOI: 10.1016/j.job.2021.102520 (**SCI**)
- **Murmu, A. L.** & Patel, A. (2020), Studies on the Properties of Fly Ash-Rice Husk Ash Based Geopolymer for Use in Black Cotton Soils. *International Journal of Geosynthetics and Ground Engineering*, 6(38), 1- 14. DOI: 10.1007/s40891-020-00224-z (**Scopus**)

- **Murmu, A. L.**, Jain, A., & Patel, A. (2019), Mechanical Properties of Alkali Activated Fly Ash Geopolymer Stabilized Expansive Clay. *KSCE Journal of Civil Engineering*, 23(9), 3875-3888. DOI: 10.1007/s12205-019-2251-z (**SCI**)
- **Murmu, A. L.**, Dhole, N., & Patel, A. (2018). Stabilization of Black Cotton Soil for Subgrade Application Using Fly Ash Geopolymer. *Road Materials and Pavement Design*, 1-19. DOI: 10.1080/14680629.2018.1530131 (**SCI**)
- Singh, D. K., Mandal, A., Karumanchi, S. R., **Murmu, A. L.**, & Sivakumar, N. (2018). Seismic Behaviour of Damaged Tunnel During Aftershock. *Engineering Failure Analysis*, 93, 44-54. DOI: 10.1016/j.engfailanal.2018.06.028 (**SCI**)
- **Murmu, A. L.**, & Patel, A. (2018). Towards Sustainable Bricks Production: An Overview. *Construction and Building Materials*, 165, 112-125. DOI: 10.1016/j.conbuildmat.2018.01.038 (**SCI**)

**Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=57201469241>

**Google Scholar:** <https://scholar.google.com/citations?user=17z-mPEAAAJ&hl=en&oi=ao>