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Nripojyoti Biswas

CV Date:10/08/2024

EDUCATION

Ph.D., Civil EngineeringTexas A&M Universit@ollege Statio@@2 M.Tech, Civil EngineeringIndian Institute of Technolk@ypur,2017 B.E, Civil EngineeringIndian Institute of Engineering Science and Technology2013

EXPERIENCE

2024- present	Assistant Professor of Civil & EnvironmentalnEmegrsity of Massachusetts Lowell
2023-2024	Senior Research EngineeTexas A&M Universit@ollege Station, Texas
2022-2023	P

- o Transportation Geotechnics
- o ASCE Journal of Geotechnical and Geoenvironmental Engineering
- o ASTM Advances in Civil Engineering Materials
- o Transportation Research Recodournal of Transportation Research Board
- o Springer Nature Scientific Reports
- o International Journal of Pavement Research and Technology
- o Geotextiles and Geomembranes
- o ASTM Geotechnical Testing Journal
- o International Journal of Pavement Engineering
- o ICE Proceedings of Civil Engineeringround Improvement
- o Transport- Proceedings of the ICE

PUBLICATIONS

Google Scholar

8. Khan, M.A., Puppala, A.J.Biswas, N, and Congress, S.S.C. 2023. Evaluation of structural performance of the geocell reinforced flexible pavement Transportation Geotechnics, https://doi.org/10.1016/j.trgeo.2023.101021

9.

- 12. Jang, J., Puppala, A. Biswas, N, Chakraborty, S., and Radovic, M. 2022. Utilization of Metakaolin Based Geopolymers for Stabilization of Sulf Rich Expansive Soils. In Geo Congress 2022. American Society of Civil Engineers, Reston, VA. pp2222
- 13. Khan, M.A., Puppala, A.JBiswas, N, Congress, S.S.C., and Jafari, K.H. 2022 Analytical Approach to Estimate the Loabearing Capacity of Subgrade Soil with a GeoBelInforced Base Layer. In Geoongress 2022. American Society of Civil Engineers, Reston, VA. pp. 380

PRESENTATIONS

Keynotes

- "Role of SilicaBased Admixtures for Effective Stabilization of Problematic Soilsoung Researcher Special Speakand International Conference on Construction Resources for Environmentally Sustainable Technologieskuoka, Japan
- "Chemical Stabilization of Problematic Soils with Traditional Calebaned and Notraditional Stabilizers Cement Stabilization & RCC Conference Ington, Texas September 2022

Workshops

- "Integrated Approach for Geotechnical and Hydrodynamic Analyses in Coastal Residential Built Infrastructure: A Holistic Perspective Coastal Research and Education Actions for Transportation Equity (CREATE): A USDOT FielUniversity Transportation Center San Marcos, Texas, July 2024.
- "Opportunities, Challenges, and Perspectives on Base and Subgrade Stabilization with Nontraditional Stabilizers- Transportation Research Board Annual Meeting, Washington DÇJanuary, 2024.
- "Application of wicking geotextile for pavement infrastructures on expansive soils Transportation Research Board Annual Meeting, Washington Danuary, 2022.

Conference Presentations

- "Role of Silicarich Admixtures and Geopolymers for Effective Stabilization of Problematic Soils with a Focus on Sustainability and Durability Arizona Pavements/Materials ConferenceMemorial Union (MU), ASU at the Tempe Campu623
- "Performance of LowVolume Roads Built OveExpansive Soils Reinforced with Wicking Geotextiles, 13th International Conference on LeWolume RoadsCedar Rapids, Iowa 2023
- "Effects of Traffic Loading Magnitude and Frequency on the Performance of GReoutlorced Flexible Pavement's ASCEGeo Congress Los Angeles, CA2023
- "Evaluating the Performance of Wicking Geotextile in Providing Drainage for Flexible Pavements Built over Expansive Soils ransportation Research Board Annual Meeting Washington DC, 2021.
- "Depth of Influence of a Wicking Geotextile below the Flexible Pavement Constructed over Expansive SubgradeGeosynthetic Conference ansas 2021.
- "Utilization of Silica-Based Admixture to Improve the Durability of Linteracted Expansive S