



Techno College of Engineering Agartala

An Engineering College affiliated to Tripura University (A Central University),

Approved by AICTE, MHRD, Govt. of India

Website: www.tiaedu.org

Name of the faculty: Dr Mithun Ghosh

Designation: Associate Professor

Education:

B.E from Priyadarshini College of Engineering, RTMNU (2014)

M.Tech from NIT Agartala (2016)

PhD from NIT Agartala (2024)

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Email: mithun373@gmail.com

Research Interest:

- Sediment Transportation
- Turbulent Flow & Fluvial Hydraulics
- Hydrology & Hydrological Modelling

Membership of professional bodies:

Professional Experience: 8+ years

Publications:

Publishes Journal/ Conference papers/ Book/ Book Chapters:

1. Ghosh, M. and Das, R., (2022). Turbulent Flow Fields and Macro-Turbulent Flow Structures around the Roughness Elements in Gravel Bed Stream. ISSN 0097-8078, *Water Resource 2022, Vol.49, No.6*, pp. 984-992, Pleiades Publishing, Ltd, 2022, Springer Link (SCI).
2. Ghosh, M. Malakar, P. and Das, R., (2021). Role of roughness geometry function on spatially averaged form-induced shear stresses and pressure energy diffusion rates in gravel-bed stream. *ISH Journal of Hydraulic Engineering*, Taylor & Francis. Vo.28 (3), pp. 313-324 (SCOPUS).
3. Ghosh, M. and Das, R., (2021). Influence of Form-Induced Shear Stress on Turbulent Kinetic Energy Budget Distributions Above and Within the Flow-Gravel-Bed Interface in Permeable Gravel Bed Stream – a Comparative Study. ISSN 0097-8078, *Water Resource 2021, Vol.48, No.4*, pp. 544-556, Pleiades Publishing, Ltd, 2021 (SCI).
4. Das, R. and Ghosh, M., (2024). Turbulent flow characteristics over rough permeable and impermeable gravel-bed stream- an experimental study. ISSN:1338-4333, *Journal of Hydrology and Hydromechanics*, Vol.72(2024), No.2, pp 158-169 (SCI).





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5. Ghosh. M. and Das. R. (2024), "Spatial heterogeneity of flows over rough permeable and impermeable gravel-bed stream and role of form-induced stresses", *International Conference on "Water Resources, Ocean and Environmental Engineering 2024"*, NIT Silchar, Assam, March 2024.

Achievements (if any):

- Received the Outstanding Service Award for commitment, efficiency and outstanding contribution to institutional activities 2025-2026 at TCEA.
- Received the Inclusive Excellence Award for working flawlessly for the institution for the Academic Session 2023-2024 at TCEA.
- Received Outstanding Faculty Award in the Civil Engineering Department for the Academic Session 2022-2023 at TCEA.
- Commended by Director of Welfare of OBC twice on 2008 and 2010.

Hobbies:

- Cricket
- Social networking