



Mr. Madhur D. H.

Assistant Professor

Experience (Teaching and Industry)

1. RNSIT (July 2026 - till date)
2. PES University as a Full-time Research scholar (2023-2026)

Qualifications

B.Sc – Government Science college (2020)
M.Sc – Nrupathunga University (2022)
Ph.D – PES University (2026)

Specialization (Academics)

M.Sc – Mathematics

Specialization (Research)

Fluid Mechanics

Publications

- **MADHUR, D.H., SHANKAR, B.M. & SHIVAKUMARA, I.S.** 2024 Unstable buoyant viscoelastic fluid flow in a vertical porous layer with temperature-dependent viscosity. *Physics of Fluids*, 36, 083119.
- **MADHUR, D.H., SHANKAR, B.M. & SHIVAKUMARA, I.S.** 2025 Instability of penetrative convection in a vertical porous layer with non-Dirichlet temperature conditions. *International Journal of Thermal Sciences*, 207, 109358.
- **SHANKAR, B.M., MADHUR, D.H. & SHIVAKUMARA, I.S.** 2026 Buoyant variable viscosity fluid flow and instability in a vertical porous slab with imperfectly conducting boundaries. *Journal of Fluid Mechanics*, 1030, A45.
- **GURUVA REDDY, C.S., HEMANTH KUMAR, C., HARSHA, S.V. & MADHUR, D.H.** 2025 Stability of mixed convective Jeffrey fluid flow in anisotropic porous media: LTNE effects and non-linear dynamics. *Multiscale and Multidisciplinary Modeling, Experiments and Design*, 8, 472.