



Dr. Pallavi G

Assistant Professor

Experience (Teaching and Industry)

1. RNSIT (Oct 2024 - till date)
2. The Oxford College of Engineering (2023-2024)
3. R V College of Engineering (2022-2023)
4. Nitte Meenakshi Institute of Technology (2014 – 2022)
5. The Oxford College of Science (2011 – 2014)

Qualifications

- B.Sc – Vijaya Degree College (2009)
- M.Sc – Central College, Bangalore University (2011)
- B.Ed – Diana College of Education (2012)
- SLET Qualified (2013)
- Ph.D – Bangalore University (2022)

Specialization (Academics)

M.Sc – Mathematics B.Ed – Physics & Mathematics

Specialization (Research)

Fluid Mechanics

Publications

- Intricacies of coupled molecular diffusion on double diffusive viscoelastic porous convection. *Results in Applied Mathematics*, 7, 100124.
- Oscillatory Darcy-Bénard-Poiseuille Mixed Convection in An Oldroyd-B Fluid-Saturated Porous Layer. In *Advances in Fluid Dynamics* (pp. 827-837). Springer, Singapore.
- Couple stress effects on the stability of three-component convection-diffusion in a porous layer. *Heat Transfer*, 50(4), 3047-3064.
- Exploration of anisotropy on nonlinear stability of thermohaline viscoelastic porous convection. *International Communications in Heat and Mass Transfer*, 126, 105427.
- Horizontal pressure gradient and Soret effects on the onset of thermo-solutal porous convection. *Heat Transfer*.
- Viscoelastic effect on the triple diffusive oscillatory flow in a fluid-saturated porous layer. *Modern Physics Letters B*, 147, 0217-9849.