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- **Ph.D. Mathematics** – Sathyabama Institute of Science and Technology-2022
- **M**.Tech (Industrial Mathematics and Scientific Computing): IIT Madras-2008
- **M.Phil. Masthematics** – Madurai Kamarajar University - 2001
- **M.Sc. Mathematics** – Madurai Kamarajar University - 1999
- **B.Sc. Mathematics** – Madurai Kamarajar University – 1977

## Areas of Research:

- Numerical Analysis
- Fluid Dynamics

## List of Papers Selected Publications:

- **Prasanna Jeyanthi, M**., & Ganesh, S. (2024). Numerical solution of magnetohydrodynamic flow through duct with perturbated boundary using RBF-FD method. *International Journal of Ambient Energy*, *45*(1), 2276130.
- **Prasanna Jeyanthi, M**., & Ganesh, S. (2022). Numerical study of Magnetohydrodynamic flow through annular duct with Neumann's boundary condition. *International Journal of Ambient Energy*, *43*(1), 4477-4485.
- **Prasanna Jeyanthi, M**., & Ganesh, S. (2022). Numerical solution of steady MHD duct flow in a square annulus duct under strong transverse magnetic field. *International Journal of Ambient Energy*, *43*(1), 2816-2823.
- Bai, H. G., **Jeyanthi, M. P**., & Dev, D. A. (2021, March). Numerical Analysis of 2d Rectangular Plate. In *Journal of Physics: Conference Series* (Vol. 1770, No. 1, p. 012049). IOP Publishing.
- **Jeyanthi, M. P.**, Ganesh, S., Doss, L. J. T., & Prabhu, A. (2020). Numerical Solution Of Magnetohydrodynamic Flow Problem Using Radial Basis Function Based Finite Difference Method. *Digest Journal Of Nanomaterials And Biostructures*, *15*(4), 1175-1187.
- **Prasanna Jeyanthi, M.**, & Ganesh, S. (2022). Numerical study of Magnetohydrodynamic flow through annular duct with Neumann's boundary condition. *International Journal of Ambient Energy*, *43*(1), 4477-4485.
- Kavitha, C., Gladson, T. F., & **Jeyanthi, M. P**. Analysis Of Adaptive Neuro-Fuzzy Inference System For The Prediction Of Hybrid Composites, Advances in Mathematics: Scientific Journal 9 (2020), no.3, 1303–1314, ISSN: 1857-8365 (printed); 1857-8438 (electronic), https://doi.org/10.37418/amsj.9.3.54
- Ganesh, S., Anand, V. W. J., Chandrasekhar, P., **Jeyanthi, M. P.,** Jayaprabakar, J., & Patil, V. S. (2022). Study of Laminar flow stagnation problem for a viscous fluid with transverse magnetic effect in axial and radial directions. In *Recent Advances in Thermofluids and Manufacturing Engineering: Select Proceedings of ICTMS 2022* (pp. 23-33). Singapore: Springer Nature Singapore.
- Girija Bai, H., **Prasanna Jeyanthi, M.,** Hemavathy, P., Premkumar, M., & Mohamed Ismail, A. (2022). Blood Flow in Arteries with Stenoses: A Three-Dimensional Unsteady Flow. *Journal of Positive School Psychology*, *6*(2).

## List of Papers Presented in International/National Conference:

- Jeyanthi, M. P., & Ganesh, S. (2020, February). Numerical solution of Magnetohydrodynamic flow through Circular ducts. In *2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE)* (pp. 1-5). IEEE.

## Membership:

- International Association of Engineers (IAENG) – Life Member, 2025