

Basic Details:

- **Name:** Mrs.T.Lawanya
 - **Designation:** Assistant Professor (OG)
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- **Area or Subject:** Fluid Dynamics
- **Affiliation:** Department of Mathematics, Ramapuram Campus, SRM Institute of Science and Technology

Educational Details:

- **Degree, University, Awarded Year**
 - B.Sc – KG College of Arts & Science, Bharathiyar University, 2008
 - B.Ed - Lisieux College of education , Bharathiyar University, 2009
 - M.Sc-PSGRK College for women, Bharathiyar University, 2011
 - M.Phil– PSGRK College for women, Bharathiyar University, 2014
 - Ph.D(pursuing) – Sathyabama Institute of Science and Technology

Research Interests: Fluid Dynamics

Publications:

- Effect of Soret on MHD rotating fluid flow through a porous medium with heat and mass transfer”, Aircraft Engineering and Aerospace Technology, [ISSN 1748-8842], [DOI 10.1108/AEAT-06-2022-0162].- SCIENCE (SCIE)
- Effect of Heat Source on MHD Flow Through Permeable Structure under Chemical Reaction and Oscillatory Suction. International Journal of Heat and Technology Vol. 40, No. 1, February, 2022, pp. 319-325 Journal homepage: <http://iieta.org/journals/ijht>. <https://doi.org/10.18280/ijht.400138>- WOS/ESCI/Scopus
- A Study on Rate of Occurrence of failure using HPP for 225 kw windmill data.

Nat. Volatiles & Essent. Oils, 2021; 8(4): 11922-11925.

- Soret Effects of Mass Transfer and Radiation with Heat Source on MHD Oscillatory Viscoelastic Fluid in a channel with Porous Medium Journal of Physics: Conference Series 1770 (2021) 012051 IOP Publishing doi:10.1088/1742-6596/1770/1/012051.
- Effect of mass transfer with chemical reaction on MHD convective flow through a porous medium in a hot vertical channel with thermal radiation Cite as: AIP Conference Proceedings 2277, 030005 (2020); <https://doi.org/10.1063/5.0025831> Published Online: 06 November 2020.
- Effect of mass transfer and radiation on unsteady free convective flow past a vertical porous plate with variable temperature in the presence of transverse magnetic field on heat source Cite as: AIP Conference Proceedings 2277, 030011 (2020); <https://doi.org/10.1063/5.0025791> Published Online: 06 November 2020.
- Effects of heat source parameter on oscillatory flow with mass transfer in the presence of the transverse magnetic field. AIP Conference Proceedings 2112, 020162 (2019); <https://doi.org/10.1063/1.5112347> Published Online: 24 June 2019
- Effect of chemical reaction and heat source on oscillatory flow of couple stress fluid in wavy channel, AIP Conference Proceedings 2112, 020158 (2019); <https://doi.org/10.1063/1.5112343> Published Online: 24 June 2019.
- Couette flow through a porous medium with heat and mass transfer in the presence of transverse magnetic field, T. Lawanya et al 2018 J. Phys.: Conf. Ser. 1000 012160.
- PI Generalized Open & Closed Sets in Ideal Topological Space, In International Journal of Mathematical Manuscripts.

Academic Experience:

- SRM INSTITUTE OF SCIENCE & TECHNOLOGY, RAMAPURAM From 19.06.2017 to Till Date
- MNM JAIN ENGINEERING COLLEGE, THORAIPAKKAM From 13.04.2013 to 22.05.2014

Other Professional Experience: Nil

Other Details:

Achievements and Awards: Nil

Memberships: Life Time Member Ship in ISTE & ISC

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