

Dr. Suma N Manjunath

Assistant Professor

Educational
Qualification M.Sc., Ph.D.

Experience Teaching: 17 Years,

Area of
Interest Fluid Mechanics, Graph Theory

Date of Joining
RVCE 17.02.2022

Email ID sumanm@rvce.edu.in



Publications:

National Journal: Nil

National Conference: Nil

International Journal: 02

International Conference: 02

Book Chapters: 01

Patent Granted: Nil

List of Publications:

International Journal:

- Jayalatha, G. and Suma, N., (2021). “**Effect of Heat Source on Rayleigh-Bénard Convection in Rotating Viscoelastic Liquids**”, Heat Transfer, Volume 50, Issue 8, July 2021, pp: 7672-7690, ISSN: 2688-4534, <https://doi.org/10.1002/htj.22248> (Web of Science)
- Jayalatha, G. and Suma, N., (2020). “**Nonlinear Rotating Viscoelastic Liquid Convection with Temperature Modulation**”, Heat Transfer, Volume 49, Issue 8, December 2020, pp: 4543-4566, ISSN: 2688-4534, <https://doi.org/10.1002/htj.21491> (Web of Science)

International Conference:

- Sujatha P. R., Jayalatha G., Nivya Muchikel and **Suma N. Manjunath** (2024). **“Investigation of Variable Viscosity Impact on Convection Dynamics in Viscoelastic Ferromagnetic Fluids”** 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), DOI: 10.1109/CSITSS64042.2024.10816832.
- Chithra R., Sahana Markande, Naren Karthik K., Kruthika N., Suma N. Manjunath, Parth Sarathi Panigrahy and Swarna Mayee Patra (2024) “ Electricity Harvester using Acoustic Energy” 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS), DOI: 10.1109/CSITSS64042.2024.10817043.

Book Chapter:

- Jayalatha, G., Suma, N. (2023). **“Non-linear Magnetoconvection with Modulated Rotational Speed in Viscoelastic Liquid”**, Recent Advances in Applied Mathematics and Applications to the Dynamics of Fluid Flows. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-1929-9_8, pp: 89-101