

Dr. SureshKumar.S

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Education

	Degree	Year	Institute	Specialization
1	B.Sc.	1988	Bangalore University	Physics Chemistry Mathematics
2	M.Sc.	1990	Mysore University	Pure Mathematics
3	Ph.D.	2009	Bangalore University	Fluid Mechanics

Professional Experience

	Date (from-to)	Designation	Organization
1	04-03-2009 to till Date	Professor	Siddaganga Institute of Technology
2	16-03-2005 to 2009	Assistant Professor	Siddaganga Institute of Technology
3	2000 to 2005	Senior Lecturer	Siddaganga Institute of Technology
4	01-10-1992 to 2000	Lecturer	Siddaganga Institute of Technology

(Please fill in reverse order. Current designation should be at the top)

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

Deputy Warden (from September 2010 to till date)

Affiliations of Professional organizations

NIL

Awards and Honors

NIL

Courses Taught

Undergraduate Courses

- Engineering Mathematics-I
- Engineering Mathematics-II
- Engineering Mathematics-III
- Engineering Mathematics-IV

Postgraduate Courses

- Master of Technology
- Master of Computer Application

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
		NIL	

Research Areas

- Fluid Mechanics
- Graph Theory

Sponsored Projects

Ongoing Projects:

NIL

Completed Projects:

NIL

Publications

Journals

- Sureshkumar, S., Mangala Gowramma, H., Kirankumar, M., ... Pavithra, M., Siva Kota Reddy, P., "ON MAXIMUM STRESS ENERGY OF GRAPHS", Global and Stochastic Analysis, 2025, 12(2), pp. 56–69
- Sureshkumar, S., Chavaraddi, K.B., Gouder, P.M., ... Ishak, A., Hussain, S.M., "Triple Diffusive Convection in a Fluid Layer Under an A.C Electric Field", Advances in Mathematical Physics, 2025, 2025(1), 9963822

- Madhu, J., Kalyan, S., Gudagi, Y., ... Kumar, R., Sureshkumar, S., "Fluid sustainability by the effect of microrotational flow and chemical reactions in a vertical channel", International Journal of Modelling and Simulation, 2024
- Sureshkumar, S., Chavaraddi, K.B., Gouder, P.M., Ramesh, G.K., Chandaragi, P.I., "Thermoconvective instability in a ferrofluid saturated porous layer", International Journal of Modern Physics B, 2023, 37(26), 2350309
- Shivakumara, I.S., Sureshkumar, S., Devaraju, N., "Effect of non-uniform temperature gradients on the onset of convection in a couple-stress fluid-saturated porous medium", Journal of Applied Fluid Mechanics, 2012, 5(1), pp. 49–55
- Shivakumara, I.S., Sureshkumar, S., Devaraju, N., "Coriolis effect on thermal convection in a couple-stress fluid-saturated rotating rigid porous layer", Archive of Applied Mechanics, 2011, 81(4), pp. 513–530
- Shivakumara, I.S., Lee, J., Malashetty, M.S., Sureshkumar, S., "Effect of Thermal Modulation on the Onset of Convection in Walters B Viscoelastic Fluid-Saturated Porous Medium", Transport in Porous Media, 2011, 87(1), pp. 291–307
- Shivakumara, I.S., Sureshkumar, S., "Effects of throughflow and quadratic drag on the stability of a doubly diffusive Oldroyd-B fluid-saturated porous layer", Journal of Geophysics and Engineering, 2008, 5(3), pp. 268–280.
- Shivakumara, I.S., Sureshkumar, S., "Convective instabilities in a viscoelastic-fluid-saturated porous medium with throughflow", Journal of Geophysics and Engineering, 2007, 4(1), pp. 104–115, 012.

Conference Proceedings

NIL

Book Chapters

NIL

Books

NIL

Editorial

Reviewer of Journals

NIL

(Please give details in IEEE format)

Editor/ Reviewer of Journal

- Editorial Board Member in International Journal of Engineering Technology Research & Management.
- Editorial Board Member of International Peer-Reviewed Journal Iconic Research and Engineering Journals (IRE)

Patents

NIL

Invited Lectures, talks and workshops

NIL