

Name : Dr. S. Eswaramoorthi
Designation : Assistant Professor
Department : Mathematics
Qualification : M. Sc., M. Phil., Ph. D.,

Experience:

Teaching: 11 Years Industry: Nil Research: 9 Years

Area of Specialization(s) : Fluid Dynamics

Email (Official ID) : eswaramoorthi@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Mathematics	Erode Arts and Science College, Erode	2016
M. Phil.	Mathematics	Bharathiar University, Coimbatore	2007
M. Sc.	Mathematics	Erode Arts College, Erode	2006
B. Sc.	Mathematics	Gobi Arts and Science College, Gobi	2003

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	-	1

Research Publications (Indexed)

International:

- 1) S. Eswaramoorthi, M. Bhuvaneshwari, S. Sivasankaran, S. Rajan, **Effect of Radiation on Mhd Convective Flow and Heat Transfer of a Visco Elastic Fluid Over a Stretching Surface**, Procedia Engineering, Volume 127, pp. 916-923, 2015. (Indexed in SCOPUS).
- 2) S. Eswaramoorthi, M. Bhuvaneshwari, S. Sivasankaran, S. Rajan, **Soret and Dufour Effects on Viscoelastic Boundary Layer Flow, Heat and Mass Transfer in a Stretching Surface with Convective Boundary Condition in the Presence of Radiation and Chemical Reaction**, Scientia Iranica Transaction B, Mechanical Engineering, Volume 23, Issue 6, pp. 2575-2586, 2016. (Indexed in SCIE).

- 3) S. Eswaramoorthi, M. Bhuvaneshwari, S. Sivasankaran, H. Niranjana, S. Rajan, **Effect of Partial Slip and Chemical Reaction on Convection of a Viscoelastic Fluid over a Stretching Surface with Cattaneo-Christov Heat Flux Model**, IOP Conf. Series: Materials Science and Engineering, Volume 263, pp. 1-8, 2017. (Indexed in SCOPUS).
- 4) S. Eswaramoorthi, S. Sivasankaran, M. Bhuvaneshwari, S. Rajan, **Effects of Multiple Slip on Mhd Combined Convective Flow of Viscoelastic Nanofluid over a Stretchy Sheet with Heat Absorption**, IOP Conf. Series: Materials Science and Engineering, Vol. 390, 2018. (Indexed in SCOPUS).
- 5) S. Eswaramoorthi, K. Loganathan, S. Sivasankaran, M. Bhuvaneshwari, S. Rajan, **Mhd Flow of Carreau Liquid with Partial Slip and Newtonian Heating**, International Journal of Engineering & Technology, Vol. 7, Issue. 4.10, pp. 637-640, 2018. (Indexed in SCOPUS).
- 6) S. Eswaramoorthi, M. Bhuvaneshwari, S. Sivasankaran, O.D. Makinde, **Heterogeneous and Homogeneous Reaction Analysis on Mhd Oldroyd-B Fluid with Cattaneo-Christov Heat Flux Model and Convective Heating**, Defect and Diffusion Forum, Vol. 387, pp. 194-206, 2018. (Indexed in SCOPUS).
- 7) S. Eswaramoorthi, S. Sivasankaran, Ali Saleh Alshomrani, **Effect of Chemical Reaction and Heat Generation on 3d Double Diffusive Convection over a Stretching Plate: Numerical and Analytical Study**, IOP Conference Series: Journal of Physics: Conference Series, Vol. 1139, 2018. (Indexed in SCOPUS).
- 8) S. Eswaramoorthi, S. Sivasankaran, Ali Saleh Alshomrani, **Effect of Thermal Radiation and Heat Absorption of Mhd Casson Nanofluid over a Stretching Surface in a Porous Medium with Convective Heat and Mass Conditions**, IOP Conference Series: Journal of Physics: Conference Series, Vol. 1139, 2018. (Indexed in SCOPUS).
- 9) M. Sankar, S. Kemparaju, B.M.R. Prasanna, S. Eswaramoorthi, **Buoyant Convection in Porous Annulus with Discrete Sources-Sink Pairs and Internal Heat Generation**, IOP

Conference Series: Journal of Physics: Conference Series, Vol. 1139, 2018. (Indexed in SCOPUS).

- 10) M. Bhuvaneshwari, S. Eswaramoorthi, S. Sivasankaran, **Thermal Radiation and Cross Diffusion Effects on 3d Convective Flow of a Viscoelastic Fluid Over a Stretchy Paper with Chemical Reaction**, IOP Conference Series: Journal of Physics: Conference Series, Vol. 1139, 2018. (Indexed in SCOPUS).

Participation in Faculty Development Programme

1. **Quality Initiatives in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.

Conference / Seminar / Workshop Organized

- 1) Organizing Secretary, National Hands on Workshop on Finite Element Method for Beginners and Engineers, Dr. N.G.P. Arts and Science College, Coimbatore, 21 & 22-Dec-18.
- 2) Convener, National Level Workshop on Computational methods in Fluid Dynamics, Dr. N.G.P. Arts and Science College, Coimbatore, 23 to 25-Nov-17.
- 3) Organizing Secretary, National Level Conference on Recent Advances in Theoretical and Computational Method for Partial Differential Equations, Dr. N.G.P. Arts and Science College, Coimbatore, 6 & 7-Jan-17.
- 4) Organizing Secretary, National Level Conference on Emerging Trends in Pure and Applied Mathematics, Dr. N.G.P. Arts and Science College, Coimbatore, 14-Sep-15 to 15-Sep-15.
- 5) Organizing Secretary, International Level Conference on Mathematical Science and its Computational Applications, Dr. N.G.P. Arts and Science College, Coimbatore, 11 & 12-Aug-14.
- 6) Organizing Secretary, National Level Conference on Optimization Techniques and Decision Making Analysis, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Oct-13.
- 7) Organizing Secretary, National Level Conference on Mathematical Sciences and its Computational Aspects, Dr. N.G.P. Arts and Science College, Coimbatore, 7-Feb-13.

Editorial / Review Board Member

- 1) Review, PLOS ONE, 2015.
- 2) Guest Editor, IOP: JPCS, 2018.

Member in BoS

- 1) Board of Mathematics, Erode Arts and Science College, since 2018.