

Basic Details:

- **Name:** Dr. SAMYUKTHA N
- **Designation:** Assistant Professor (OG)
- **Phone Number:** 9626168627
- **Email ID:** samyuktn@srmist.edu.in
- **Area or Subject:** Fluid Dynamics
- **Affiliation:** Department of Mathematics, Ramapuram Campus, SRM Institute of Science and Technology

Educational Details:

- **Degree –** M. Sc., PhD.,
- **Area or Subject –** Mathematics
- **University –** National Institute of Technology (NIT), Tiruchirappalli
- **Awarded Year –**

PhD in Mathematics, National Institute of Technology (NIT), Tiruchirappalli, 2018

M.Sc in Mathematics, Bharathidasan University, Tiruchirappalli, 2013

Other Details:

Courses:

Numerical Methods, Calculus and Linear Algebra, Transforms and Partial Differential Equations, Complex Analysis, Linear Algebra, Real Analysis, Allied Mathematics-I and Allied Mathematics-II.

Research Interests: Fluid Dynamics, Stability Analysis

Selected Publications: (To be listed in reverse chronology, i.e. starting with the most recent) [Mention Year of Publication]

- **Samyuktha, N., Ravindran, R., and Ganapathirao, M.,** “Effects of chemical reaction, heat generation or absorption into a mixed convection boundary layer flow over a vertical stretching sheet with non-uniform slot mass transfer”. **Journal of Applied Mechanics and Technical Physics**, 58(1), 116-128, 2017. (SCIE, 0.274)
- Ganapathirao, M., Ravindran, R., and **Samyuktha, N.,** “Effect of viscous dissipation on MHD mixed convective flow over a vertical wedge embedded in a porous medium with nonuniform slot suction or injection”. **Journal of Porous Media**, 19(1), 47-63, 2016. (SCIE, 1.035)
- **Samyuktha, N., Ravindran, R., and Ganapathirao, M.,** “Unsteady mixed convection flow over a vertical plate in a porous medium with non-uniform slot suction/injection”. **Journal of Porous Media**, 19(10), 913-930, 2016. (SCIE, 1.035)
- Ravindran, R., and **Samyuktha, N.,** “Unsteady mixed convection flow over stretching sheet in presence of chemical reaction and heat generation or absorption with non-uniform slot suction or injection”. **Applied Mathematics and Mechanics (English Edition)**, 36 (10), 1253-1272, 2015. (SCIE, 0.922)
- **Samyuktha, N., and Ravindran, R.,** “Thermal radiation effect on mixed convection flow over a vertical stretching sheet embedded in a porous medium with suction (injection)”. **Procedia Engineering**, 127, 767-774, 2015. (SCOPUS INDEXED)

Papers Presented: (To be listed in reverse chronology, i.e. starting with the most recent) [Mention Year of Presentation]

- **Samyuktha, N.,** “Soret and Dufour effects on mixed convection flow over a vertical plate with non-uniform slot mass transfer”, **Progress in Mathematics towards Industrial Applications (PMTIA-2021), SRMIST, Ramapuram, 29th -30th October, 2021.**
- **Samyuktha, N., and P. Saikrishnan, P.,** “MHD mixed convection flow of nanofluid over a nonlinear stretching sheet with suction or injection in the presence of non-uniform heat source”, **2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMTTC-2017), BITS-Pilani, Hyderabad, 27th -30th December, 2017.**

- **Samyuktha, N., and Ravindran, R.,** “Effect of viscous dissipation on unsteady mixed convective MHD flow past a moving vertical plate with non-uniform slot suction/injection”, **International Conference on Applications of Fluid Dynamics, ICAFD-2016, Indian School of Mines (ISM), Dhanbad, Dec 19th-21st, 2016.**
- **Samyuktha, N., and Ravindran, R.,** “Thermal radiation effect on mixed convection flow over a vertical stretching sheet embedded in a porous medium with suction (injection)”, **International Conference on Computational Heat and Mass Transfer, ICCHMT-2015, National Institute of Technology (NIT), Warangal, Nov 30th- Dec 2nd, 2015.**

Working Papers: Casson nanofluid over a stretching sheet with non-uniform slot mass transfer.

Work in Progress: NIL

Academic Experience: [Always Mention the Year Corresponding to Academic Experience]

- ❖ Worked as a Temporary Teaching Assistant in Department of Mathematics, **National Institute of Technology (NIT), Tiruchirappalli, 2016 - 2017**

Other Professional Experience: [Mention the Year Corresponding to Professional Experience]

Workshops /Seminars/Conferences:

- International Workshop on “**APPLICATIONS OF CFD IN HEAT TRANSFER AND FLUID FLOW**” held at Department of Mechanical Engineering, NIT, Trichy during 9th -10th January 2014.
- Workshop on “**RESEARCH METHODS AND LATEX**” held at Department of Electronics and Communication Engineering, NIT, Trichy during 20th - 21st September 2013.

Achievements and Awards: [Mention Year of Award]

- One of my research findings has been highlighted in the **Applied Mathematics and Mechanics Journal for the year 2015** in the October issue.

Memberships: [i.e. Memberships in Professional Bodies; Mention Year of Joining]

Please send in your latest **PASSPORT SIZE photograph.**



Some examples of standard faculty profiles from other institutions:

- <http://isb.edu/faculty/facultydir.aspx?ddlFaculty=246>
- <http://engineering.stanford.edu/research/layout.php?sunetid=cfarhat>
- <http://public.tepper.cmu.edu/facultydirectory/FacultyDirectoryProfile.aspx?id=95>