

## FACULTY PROFILE TEMPLATE

Please ensure that this Template is 'Thoroughly Followed/Replicated' in your profile

- ❖ Please mention year of passing (Educational Qualifications)
- ❖ In case of Updating Existing Faculty profiles, please send the new additions in 'Highlighted Form/Text'.

### 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:

Operations research, Numerical Methods, Mathematics 1, Mathematics II, Transforms and Partial Differential Equations, Differential Equations and Laplace Transforms

**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., 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 19<sup>th</sup>-21<sup>st</sup>, 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 30<sup>th</sup>- Dec 2<sup>nd</sup>, 2015.**

**Working Papers:** NIL

**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 9<sup>th</sup> -10<sup>th</sup> January 2014.
- Workshop on “**RESEARCH METHODS AND LATEX**” held at Department of Electronics and Communication Engineering, NIT, Trichy during 20<sup>th</sup> - 21<sup>st</sup> 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>