

BIO – DATA

1. Name : SUSAN MATHEW PANAKKAL
2. Designation : Assistant Professor
3. Date of Joining : 29/12/2009
4. Topic of Research : FLUID MECHANICS
5. Sex : Female
6. Age & Date of birth : 38 Years & 18-11-1980
7. Permanent Address : S2 Sunshine Walkups,
Tagore Nagar,
Kadavanthra, Ernakulam 682020
8. Present Address : S2 Sunshine Walkups,
Tagore Nagar,
Kadavanthra, Ernakulam 682020
9. Religion : Syrian Orthodox Christian

10. Academic Qualifications :

| YEAR | COURSE | BRANCH / SPECIALISATION | INSTITUTION | PERCENTAGE OF MARKS SCORED | REMARKS |
|------|--------|-------------------------|--|----------------------------|--------------------|
| 2001 | B.Sc. | Mathematics | Little Flower College, Guruvayoor | 94.2% | Calicut University |
| 2003 | M.Sc. | Mathematics | Little Flower College, Guruvayoor | 85% | Calicut University |
| 2005 | B.Ed. | Mathematics | NSS Training College, Ottapalam | 67.2% | Calicut University |
| 2006 | SET | Mathematics | | | |
| 2008 | M.Phil | Mathematics | University College, Thiruvananthapuram | A-grade | Kerala University |
| 2008 | NET | Mathematics | | | |
| | Ph.D | Mathematics | Cochin University | | Thesis submitted |

11. List of Publications :

1. Vedan M.J., Rajeshwari Devi M.B., Susan M.P., Maxwell Stress Tensor In Hydrodynamics, IOSR Journal of Mathematics, 2015 , Volume 11, Issue 1 Ver. V, 58-60 .
2. Vedan, M. J., and Susan Mathew Panakkal. "Vorticity and Stress Tensor." Journal of Informatics and Mathematical Sciences, 10.1-2 (2018): 351-357.
3. Susan Mathew Panakkal, M.J. Vedan , "Invariants in Fluid Dynamics", Bulletin of Kerala Mathematics Association, Vol.15, No.1 (2018, June): 85 -90.

12. Paper Presentations

1. Presented a paper: Vorticity and Stress Tensor, National Conference on Fluid Mechanics at SSN College of Engineering, Chennai, 27-28 October, 2017.
2. Presented a poster: Integral invariants of flows in a Four Dimensional Manifold at the Indian Women and Mathematics: Regional Workshop held at Cochin University of Science and Technology, Cochin, 2-3 January, 2018.
3. Presented a paper : Local invariants of flows in a four dimensional manifold, at the International Conference in Science, Technology, Engineering and Social Sciences at Kuriakose Elias College, Mannanam, Kottayam, January 18 - 19, 2018.

Papers Communicated

- Integral and Local Invariants of Flows in a Four Dimensional Manifold, submitted to Indian Journal of Pure and Applied Mathematics, Nov, 2017 (under review).
- Integral invariants for non-barotropic flows in a four dimensional space time manifold, submitted to Physics Letters A, Oct, 2018 (under review).