

## BIO – DATA

1. Name : Dr. SUSAN MATHEW PANAKKAL
2. Designation : Assistant Professor
3. Date of Joining : 29/12/2009
4. Sex : Female
5. Date of birth : 18-11-1980

### 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			UGC
2019	Ph.D	Mathematics	Department of Mathematics		Cochin University of Science and Technology

### 11. List of Publications :

1. Panakkal, Susan Mathew, and M. J. Vedan. "A geometric algebraic approach to fluid dynamics." *Physics of Fluids* 32.8 (2020): 087111.
2. Panakkal, Susan Mathew, and M. J. Vedan. "Integral invariants for non-barotropic flows in a four dimensional space time manifold." *Physics Letters A* (2019).
3. 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 .
4. Vedan, M. J., and Susan Mathew Panakkal. "Vorticity and Stress Tensor." *Journal of Informatics and Mathematical Sciences*, 10.1-2 (2018): 351-357.
5. 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.