

FACULTY PROFILE



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Assistant Professor
Department of Mathematics
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Date of Joining: 22/01/2018

Academic Accomplishments

Sl. No	Degree	Specialization	University / Institution	Year of Completion
1	Ph.D	Mathematics (Fluid Dynamics)	S.V. University, Tirupati	2018
2	M.Sc	Mathematics	SEICOM Degree & P.G College affiliated to S.V. University, Tirupati	2006
3	B.Sc	Math, Physics, Statistics.	S.G.S. Arts College affiliated to S.V. University, Tirupati	2004

Achievements:

Sl. No	Details of award / Prize	Year	Contribution
1	Joint CSIR-UGC National Eligibility Test (NET)	2015	Lectureship with All India Rank 43
2	State Eligibility Test (SET)	2012	Lectureship
3	Graduate Aptitude Test in Engineering (GATE)	2015	Rank-125, Score-585
		2009	Rank- 102, Score-467, Percentile Score- 96.16
		2007	Rank-380, Score-324
4	National Board for Higher Mathematics (NBHM) Research Scholarships Test in Mathematics	2013, 2014	Cleared the first phase (Written Test)

Area of Interest:

Real Analysis, Linear Algebra, Complex Analysis, Ordinary and Partial Differential Equations.

Research Experience:

- Nearly **five years** research experience as research scholar from S.V. University, Tirupati in the area of “**Fluid Dynamics**”.
- Awarded Ph,D in Mathematics from S.V. University, Tirupati on 26th March 2018 with Thesis titled “**Entropy Generation Analysis On Some Newtonian Fluid Flows In Channels**” under the guidance of Prof S. Vijaya Kumar Varma, Department of Mathematics, S.V. University, Tirupati.

Publications:**A. Journal Articles:**

Sl. No	Title of the Paper	Journal	Volume, Issue & Page Nos. & ISSN No:
1	Entropy Generation and Temperature Dependent Heat Source Effects on MHD Couette Flow with Permeable Base in the Presence of Radiation and Viscous Dissipation	Middle-East Journal of Scientific Research (MEJSR)	24 (8): 2577-2588, 2016, ISSN 1990-9233
2	Slip Effects on MHD Flow of Jeffrey Fluid over an Unsteady Shrinking Sheet with Wall Mass Transfer	Middle-East Journal of Scientific Research (MEJSR)	24 (6): 1920-1925, 2016, ISSN 1990-9233
3	Peristaltic transport of MHD Carreau fluid under the effect of partial slip with different wave forms	International Journal of Scientific & Engineering Research (IJSER)	Volume-5, Issue-7, July 2014, ISSN 2229-5518

B. Papers in Conference Proceedings:

Sl. No	Title of the Paper	Details of Conference Proceedings	Year & Page No's
1	Entropy Generation Analysis in a Vertical Porous Channel with Navier Slip and Viscous Dissipation	3 rd International Conference on Applications of Fluid Dynamics (ICAFD 2016) organized by Department of Applied Mathematics, ISM Dhanbad, Jharkhand, India. Published in "Lecture Notes in Mechanical Engineering (Springer)".	2017, ISBN- 978 - 981-10-5329-0, Applications of Fluid Dynamics: pp 177-190

C. Seminars / Conferences / Workshops Presented / Participated:

Sl. No	Title of Seminars / Conferences / Workshops	Organized by	Year	International /National/State /Regional / College/ University Level
1	Quality Assessment, Sustenance and Enhancement	Internal Quality Assurance Cell, Dr. S.R.K Govt. Arts College, Yanam, Puducherry.	27 th – 28 th February, 2020	National Level
2	National Workshop on "R"	A.S.D. Govt Degree College for Women, Kakinada	16 th February, 2019	National Level
3	National Workshop on Mathematics and Its Applications	Dept. of Mathematics, Sri Venkateswara University, Tirupati	8 th to 10 th , November 2018	National Level
4	Entropy Generation Analysis on some Newtonian fluid flows in channels	Department of Mathematics, Dr. S.R.K. Govt. Arts College, Yanam	28 th March 2018	Department Level
5	Entropy generation and heat source effects on Radiative MHD Couette flow with naturally permeable base	Computational, Mathematical and Biological Modelling	March 2016	International Level
6	Incompressible Poiseuille MHD flows of Newtonian liquids with a pressure-dependent viscosity	Operational Research (THEME: OR for Big Data & Analytics)	Dec 2014	International Level

7	Effect of induced magnetic field on Poiseuille flows of weakly compressible liquids	Applications of Fluid Dynamics	July 2014	International Level
8	An iterative method for the retrieval of Aerosol's optical perimeters by Lidar data inversion	Recent Developments in Mathematics	Dec 2011	National Level

Orientation/Refresher/ Short term Courses /Workshop/Training programme/FDPs attended:

Sl. No	Title of the Programme	Sponsors	Venue & Duration	International /National / State /Regional / College or University Level
1.	Recent Advances in Mathematics and Statistics		03/08/2020 to 08/08/2020 organized by the Department of Mathematics, GITAM, Visakapatnam, A.P.	International FDP
2.	Linear Programming through Microsoft Excel and Solver -An Appetizer		31/05/2020 to 31/05/2020 organized by the Department of Mathematics, Sri Sarada College for Women, Salem, T.N.	International FDP
3.	Mathematical and Statistical Modeling		26/05/2020 to 30/05/2020 at Godavari Institute of Technology and Science, Rajahmundry, A.P.	National FDP
4.	Fourier Analysis and Its Applications	UGC	SWAYAM ARPIT Online Course Certification	National Level
5.	Differentia Calculus	AICTE	29-05-2019 to 02-09-2019 through SWAYAM Platform with consolidated score 91%	National Level
6.	Orientation Programme	HRDC	23/09/2019 to 12/10/2019 with grade A at UGC-HRDC, Sri Venkateswara University, Tirupati	University Level

Affiliation in Academic Bodies / Societies / Committees

Sl. No	Name of the Body/Society/Committees	Nature of Affiliation
1	The Indian Science Congress Association (ISCA)	Life Membership
2	Andhra Pradesh Society for Mathematical Sciences (APSMS)	Life Membership

Extra-Extension Work:

Sl. No	Details of the Activities	Year	Position held
1	College Website Maintenance , Dr. S. R. K. Govt. Arts College, Yanam	2018-22	Web Master
2	e-depository College Management System (CMS), Dr. S. R. K. Govt. Arts College, Yanam	2018-19	Nodal Officer
3	Student's Co-Operatives Society LTD, Dr. S.R.K. Govt. Arts College, Yanam	2021	Treasurer

Place: Yanam

Date: 12/05/2022

(Dr. M. SUKUMAR)