

PROFILE

Dr. N. GOLDEN STEPHA
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Area of Specialization: Computational Fluid Dynamics

Educational Qualifications:

	Degree	Year	Specialization	University/Institution	% of marks
1.	Ph.D.	2014	Computational Fluid Dynamics	Anna University	
2.	MPhil	1997	Mathematics	Madras University	-
3.	MSc	1995	Mathematics	Madras University	76%
4	BSc	1993	Mathematics	Madras University	75%
<i>Ph.D. Thesis Title:</i>					

Work Experience:

S. No.	Designation	Name of the Institute	Period
Academic Experience:			
1.	Associate Professor	R.M.K. Engineering College	September 2013 to Till Date
2.	Assistant Professor	R.M.K. Engineering College	June 2012 to August 2013
3.	Sr. Lecturer	St.Peters Engineering College	September 1996 to April 2012
4.			
5.			
Total:			Years months
Industrial Experience:			
1.			
2.			

Patents Published/ Filed:

1. Medical Image Processing System using Neural-Fuzzy Method
2. Iot and Power System-Based Energy Harvesting Technique for Railway Sector by using WSN and ZIGBEE

Journal Publications:

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Loganathan,P.& Golden Stepha N.	‘Thermophoresis and Mass Transfer Effects on Flow of Micropolar Fluid past a Continuously Moving Porous Plate with Variable Viscosity & Heat Generation/Absorption’	Asia-Pacific Journal of Chemical Engineering	8	issue 6	2013
2	Loganathan,P.& Golden Stepha N.	Radiation and Chemical Reaction Effects on Flow of Micropolar Fluid Past a Continuously Moving Porous Plate with Variable Viscosity’	Journal of Applied Fluid Mechanics	6	581-588	2013
3	Loganathan,P.& Golden Stepha N.	‘Chemical reaction effects on flow of micropolar fluid past a continuously moving porous plate in the presence of	International Journal of Heat & Technology,	30	107-113	2012

		radiation				
4	Loganathan,P.& Golden Stepha N.	Radiation and mass transfer effects on flow of micropolar fluid past a continuously moving plate with suction/injection	International Review of Mechanical Engineering,	6	22-28	2012
5	Goldenstepha N,	Numerical Study on Mass Transfer Flow of Chemically Reacting Micropolar Fluid past a Continuously Moving Plate Embedded in a Darcian Porous Medium	Journal of Engineering Mathematics & Statistics	Volume 4 Issue 1 ,	Page 51-71	2020,
6	N. Golden Stepha & D. Kavin Jacob	Hydromagnetic Boundary Layer Forced Convective Flow of Micropolar Fluid with Heat Generation/Absorption,	International Journal of Innovative Research in Science, Engineering and Technology	Volume 9, Issue 9,	Page 9001-9011	September 2020
7	N. Golden Stepha & D. Kavin Jacob	Effects Of Mass Transfer And Chemical Reaction To Micropolar Nano Fluid On A Constantly Moving Plate With Variable Viscosity	Journal of Information and Computational Science	VOLUME 11 ISSUE 4	479 - 490	2021
8	N. Golden Stepha & D. Kavin Jacob	Numerical simulation for convective heat and mass transfer effect of micropolar nanofluid flow with Variable Viscosity and radiation	Wseas transactions on heat and mass transfer		DOI: 10.37394/23201216.5	April 13, 2021.
9	N. Golden Stepha & D. Kavin Jacob	Analysis on physical properties of micropolar nanofluid past a constantly moving porous plate	International Conference on Recent Advances in Mechanical Engineering and Nanomaterials (ICRAMEN 2021),			Oct-2021

Conference Paper Presentations:

1. International Conference on Recent Advances in Mechanical Engineering and Nanomaterials (ICRAMEN 2021)
2. 8th INTERNATIONAL CONFERENCE ON SOCIAL SCIENCES & HUMANITIES December 24-25, 2021 / BINGOL, TURKEY

3. 2nd INTERNATIONAL CONFERENCE ON MODEL SCITIFIC RESEARCH CONGRESS
December 23, 2021 / TURKEY

Faculty Development Program

1. QAC-FDP on Fluid Dynamics and its Applications
2. AICTE- FDP on Leadership & Excellence (certificate received)
3. AICTE- FDP on Computational Fluid Dynamics (certificate received)
4. Online FDP on Universal Human Values for DEEKSHARAMBH
5. ATAL FDP- MODELING & SIMULATION IN MATLAB FOR MECHANICAL ENGINEERING
6. NITTT- Module 5- Technology enabled learning and life long seif learning
7. Online National Workshop on Linear Algebra 2020

Theory Subjects Handled:

- ✓ Engineering Mathematics I
- ✓ Engineering Mathematics II
- ✓ Transforms and Partial Differential Equations
- ✓ Numerical Methods
- ✓ Operation Research
- ✓ Random Processes
- ✓ Probability and Queuing Theory
- ✓ Probability and Statistics
- ✓ Statistics and Numerical Methods

Professional Membership:

- ISTE
- IAENG
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Other Achievements:

Awards:

Global Eminent Researcher Award'