

FACULTY PROFILE

Personal Details

Name : Sr. Jancy Rani

Designation : Assistant Professor

Department : Mathematics

Date of Birth : 28.09.1985

Contact Address : Immaculate Convent, Chinnakanganankuppam, Cuddalore.

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Area of specialization: Fluid Dynamics

Photo

Educational Qualification

Degree/ Diploma	Subject	Institution / University	Year of Completion	Grade / Percentage
UG	Mathematics	Idhaya College, Pondicherry/ Pondicherry University	2011-2014	61%
PG	Mathematics	Fatima College, Madurai/ Kamaraj University	2015-2017	80%
B.Ed		Immaculate College of Education, Pondicherry/ Pondicherry University	2014-2015	80%
(Ph.d)	Mathematics	Annamalai University	2018 to	

Teaching Experience

Sl. No.	Name of the college / institution	Year		Service	
		From	To	Year(s)	Month(s)
1.	Immaculate College, Viriyur	2017	2022	5	4 Months
2.	Immaculate College, Cuddalore	2023			

Orientation / Refresher / Faculty Development Program Attended

Title of the Program	Place	DATE
Teaching Mathematics effectively in online mode: Various ICT Tools and softwares	Immaculate College, Viriyur	9 th August 2020
“National Education Policy 2020 with a focus on Technology”	Auxilium College, Vellore	12 th October 2020.

Workshop / Seminar Program Attended

Title of the Program	Place	DATE
An Introductory Course on Fluid Dynamics	CHRIST (Deemed to be University) - Online	17-20 August and 24-28 August 2020.
“Applications of Mathematics”	Immaculate College, Viriyur	17 th May 2021

National / International Conference Attended

International Conference on Title	Place	DATE
International Conference on Recent Scientific and Technological Trends	Maa Shakumbari Trust, Noida	23-24 April 2022

Research Papers Presented

Title of the Paper	Place	DATE
Hall and ion slip impact on unsteady MHD convective rotating flow of non - Newtonian fluid through porous medium with chemical reaction	Maa Shakumbari Trust, Noida	23-24 April 2022

Generalized dispersion in a synovial fluid on Nutritional transport with combined impact of Electric and magnetic field (International Conference)	Canadian University, Dubai	24-26 Aug 2022
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Research Papers Published

Title of the Paper	Journal	ISSN/Volume/Year
Hall and Ion slip influence on unsteady MHD convective rotating flow of Non – Newtonian fluid through porous medium with chemical reaction	International journal of Mechanical Engineering	ISSN: 0974-5823 Vol 7No.4, 2022
A Mathematical Model of Unsteady convective diffusion in physiological fluid with effect of wall absorption, electric and magnetic field	NeuroQuantology	Vol 20, Issue 10, doi:10.14704/nq. 2022.20.10. NQ55397, August 2022
A model for the generalized dispersion of synovial fluids on nutritional transport with joint impacts of electric and magnetic field	Mathematical and computational Applications	https:// doi.org/ 10.3390/mca28010003 , 27 December 2022
A Mathematical study of Hall and ion slip impacts on peristaltic transport of hydromagnetic flow through a porous medium with chemical reaction	Eur.Chem.Bull.	(Special issue 1), 1738-1765, 2023
Analysis of variable viscosity, thermal conductivity, chemical reaction, hall and ion slip effects on unsteady MHD Casson fluid through porous medium	Acta Biomed	Doi:// 10.23750/abm. v94i2.15552, 2023
Influences of solet, chemical reaction, hall and ion slip on unsteady MHD peristaltic mechanism of Casson fluid through porous medium	Journal of Harbin Engineering university	ISSN: 1006-7043 March 2023

Key Positions/Responsibilities Held / Holding

Position / Responsibility	Institution / Organization	Period	
		From	To

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Project Guidance

S.No	Project Guided	No.of Students
	UG	
	PG	
	M .Phil	

Other Details (if any)

S.No	Details