

JSS Mahavidyapeetha JSS Academy of Technical Education, Noida **Department of Mathematics**



FACULTY PROFILE

1. Personal Details

NAME	Dr. KIRAN KUNWAR CHOUHAN	
DEPARTMENT	MATHEMATICS	
DESIGNATION	ASSISTANT PROFESSOR	a a
PHONE	+918875123925	
EMAIL ID	kirankunwar.chouhan@jssaten.ac.in	
Date of Joining (JSSATEN)	10-01-2025	Annual Managements



2. Experience

Total Experience in Years: 5	Teaching: Nil	Industry: - Nil	Research: - 5
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.			University College of Science, Udaipur	Mohanlal Sukhadia University, Udaipur
M.Sc.	Mathematics 2018 I		IIT Roorkee	IIT Roorkee
Ph.D.	Mathematics (Computational Fluid Dynamics)	tional Fluid 2024 MNIT Jaipur		MNIT Jaipur
Post Doc		-	-	-

4. Research & Publications

Papers Published in Web of Science indexed	International: 08	National: 00		
Journals				
Papers Published in				
SCOPUS indexed	International: 08	National: 00		
Journals				
Books / Book chapters	International: 00	National: 00		
Published	international. 00	ivational, 00		
Papers Presented in				
Conferences /	International: 02	National: 01		
Symposium				
Papers Published in	International: 00	National: 00		
other Journal	international: 00	National: 00		

5. Research Guidance: Nil

PhD Guide? Give field & University	-	-
PhDs / Projects Guided	-	-

6. Grants

i. Funds Received (Projects): Nil

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	•	-	-	-

ii. Patents: Nil

Sl. No.	Title Details	Details of award of patent / Filed
-	•	-

iii. Consultancy: Nil

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received

1.	Best Research Paper Award at DCTSE-2024
2.	CSIR-UCG NET JRF Fellowship (2019-2024)
3.	INSPIRE SHE Scholarship issued by Department of Science and Technology (2013-2018)
4.	Gargi award 2012 & 2014

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	"Hybrid ferrofluid flow on a stretching sheet with Stefan blowing and magnetic polarization effects in a porous medium."	K.K. Chouhan, S. Chaudhary	Multidiscipline Modeling in Materials and Structures	Vol. 20, Issue 6, pp. 1013- 37, 2024	Both	2	Emerald Publishing Limited
2.	"Thermal radiation effect in electroosmosis regulated peristalsis transport of Williamson hybrid nanofluid via an asymmetric tapered channel."	S. Chaudhary, K.K. Chouhan	ZAMM-Journal of Applied Mathematics and Mechanics	Vol.104, Issue 10, p. e2023010 81, 2024	Both	2.3	WILEY- VCH VERLAG GMBH
3.	"Buoyancy-driven unsteady Flow of Casson-Williamson fluid through a vertical stretching sheet with cross-diffusion effect."	K.K. Chouhan, S. Chaudhary	Indian Journal of Pure & Applied Physics	Vol. 62, Issue 9, pp. 813- 824, 2024	Both	0.846	CSIR- NIScPR
4.	"Transportation of SWCNT and MWCNT-based nanofluid through an exponentially stretching Riga plate in the presence of shear heating."	K.K. Chouhan, S. Chaudhary	Indian Journal of Chemical Technology	Vol. 31, Issue 3, pp. 346- 354, 2024	Both	0.57	CSIR- NIScPR

5.	"Darcy-Forchheimer flow of Prandtl-Eyring nanofluid subjected to a Riga plate of varying thickness along with Brownian diffusion, thermophoresis and non-uniform heat source/sink effects."	S. Chaudhary, K.K. Chouhan	Numerical Heat Transfer, Part A: Applications	Vol. 84, Issue 7, pp. 732- 759, 2023	Both	2.8	Taylor & Francis INC
6.	"Convective heat transfer in magnetohydrodynamic TiO2—CuO/ethylene glycol hybrid nanofluid flow toward stagnation point on a radially stretching disk with thermal radiation."	S. Chaudhary, K.K. Chouhan	Heat Transfer	Vol. 51, Issue 7, pp. 6320- 39, 2022	Both	2.8	WILEY
7.	"Slip flow of kerosene oil based SWCNT nanofluid over stretching sheet with radiation and suction/injection effects."	S. Chaudhary, K.K. Chouhan, S. Chaudhary	International Journal of Mathematical, Engineering and Management Sciences	Vol. 6, Issue 3, pp. 860- 77, 2021	Both	1.3	IJMEMS
8.	"Ohmic-viscous dissipation in MHD slip flow of Cu-blood nanofluid over a stretching surface along nanoparticle shapes."	S. Chaudhary, K.K. Chouhan	Indian Journal of Pure & Applied Physics	Vol. 59, Issue 8, pp. 559- 568, 2021	Both	0.846	CSIR- NIScPR

ii. National Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
	-	-	-	-	-	-	-

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	1	-	-	-	-	-	

9. Workshops/Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date	
1.	National Conference on Development in Computational Techniques in Science and Engineering (DCTSE- 2024)	MNIT Jaipur, India	February 17-18, 2024	
2.	Short–Term Course on "Modeling and Simulationin Science and Engineering"	MNIT Jaipur, India	February 19-23, 2024	
3.	International Conference on Modern Mathematical Methods and High- Performance Computing in Science & Technology (M3HPCST-2022)	Motherhood University Roorkee Uttarakhand, India	December 22-24, 2022	
4.	International Winter School on "Fluid Dynamics, Heat Transfer and Applications"	NIT Uttarakhand, India	January 18-29, 2021	
5.	International Conference on Mathematical Techniques in Engineering Applications (ICMTEA- 2020)	Graphic Era Hill University Dehradun, Uttarakhand, India	December 4-5, 2020	
6.	Webinar on "An Introductory Course on Fluid Dynamics"	CHRIST (Deemed to be University), Bangalore, India	August 17-20, & August 24-28, 2020	
7.	Short Term Training Programme on "Emerging Topics in Fluid Mechanics"	NIT Uttarakhand, India	October 14-18, 2019	
8.	Workshop on "Technical Writing using LaTeX"	MNIT Jaipur, India	December 20-24, 2019	

$\textbf{10. Membership of Professional Bodies: } \mathbf{Nil}$

11. Any other information you will like to share about your professional experience:- Nil