


BRIEF PROFILE

	Name	Dr. Shalu Choudhary
	Designation	Assistant Professor
	Area	Mathematics
	Email	chaudhary.shalu40@gmail.com
	Contact No.	7983007904
Professional Experience	Shri Ram Group of college, Muzaffarnagar (U.P.) , August, 2014- June, 2017, 03 years Uttaranchal University, Dehradun, Uttarakhand, August, 2017- till date	
Education Qualification	B.Sc, D. A. V. College, Muzaffarnagar, C.C.S. University Meerut (U.P.) M.Sc. (Mathematics), D. A. V. College, Muzaffarnagar, C.C.S. University Meerut (U.P.) Ph.D. (Mathematics), NIT, Hamirpur, (H.P.)	
Area of Research	Couple Stress fluids	
Current Research, If any	Couple Stress fluids	
Publications: <ul style="list-style-type: none"> • Articles in Journals (only Scopus/SCI) • Books edited/Chapter contributed/ Books authored 	<ul style="list-style-type: none"> ➤ Sunil, Shalu Choudhary and P. K. Bharti: “Global stability for thermal convection in a couple-stress fluid saturating a porous medium with temperature and pressure dependent-dependent viscosity”.“International Journal of Applied Mechanics and Engineering” (University of Zielona Góra, Poland), 17(2), 583-602, (2012). ➤ Sunil, Shalu Choudhary and Amit Mahajan: “Global stability of a couple-stress fluid in a porous medium”. “Indian Journal of Theoretical Physics” (India), 60(2), 145-159, (2012). ➤ Sunil, Shalu Choudhary and P. K. Bharti: “Global stability for thermal convection in a couple-stress fluid with temperature and pressure dependent viscosity”. “Studia Geotechnica et Mechanica” (Walter de Gruyter-Poland), 35(3), 85-102, (2013). ➤ Sunil, Shalu Choudhary and Amit Mahajan: “Conditional stability for thermal convection in a rotating couple-stress fluid saturating a porous medium with temperature and pressure dependent viscosity”. “Journal of Geophysics and Engineering” [Institute of Physics (IOP)], UK, 10, 045013 (2013). ➤ Sunil, Shalu Choudhary and Amit Mahajan: “Conditional stability for thermal convection in a rotating couple- stress fluid saturating a porous media with temperature and pressure dependent viscosity 	

using a thermal non-equilibrium model”. “Journal of Non-Equilibrium Thermodynamics” (Walter de Gruyter-Berlin-New York), Volume 39, Issue 2, pp.61-78, (2014).

- Sunil, Shalu Choudhary and Amit Mahajan: “Conditional stability for thermal convection in a rotating couple-stress fluid saturating a porous medium”. “Special Topics and Reviews in Porous Media”. (Begell House,U.S.A.), Volume 5, Issue 2, article id. 045013, pp. 119-132 (2014).
- Shalu Choudhary and Sunil: “Global stability for double-diffusive convection in a couple-stress fluid saturating a porous medium”“Studia Geotechnica et Mechanica”Volume 41, Issue 1 (2018), PP. 13-20.
- Dipika and Dr. Shalu Choudhary: “Multistep Method for Higher Order Linear Differential Equation”“International Journal of Technical Research and Application” Volume 6, Issue 1 (Jan-Feb 2018), PP. 40-43.
- Sunil, Shalu Choudhary and Amit Mahajan: “Stability analysis of a couple-stress fluid saturating a porous medium with temperature and pressure dependent viscosity using a thermal non-equilibrium model”,Applied Mathematics and Computation’Volume 340, Issue 1 (2019), PP. 15-30.

Conferences/Seminars/Workshops/ FDP/MDP attended	S. No.	Name of the Conferences	Place	Period
	1.	Annual Conference of Vijnana Parishad of India and The Global Society of Mathematics & Allied Sciences (VPT-2011).	School of Basic and Applied Sciences, Shobhit University, Meerut.	24-03-2011 to 26-03-2011
	2.	National Conference on Recent Trends in the Mechanics of Fluids & Solids.	Department of Mathematics, Gov. D. C., Haripur (Manali), Himanchal Pradesh.	10-03-2012 to 11-03-2012
	3.	International Conference on History and Development of	Department of Mathematics, M. D. U, Rohtak and	21-11-2012 to 24-11- 2012

	Mathematics Sciences & Symposium on Nonlinear Analysis (ICHDMS-2012).	Indian Society for History of Mathematics Haryana.	
4.	International Conference in Mathematical Sciences (ICMS-2013).	Department of Mathematics, Gov. D. C., Haripur (Manali), Himanchal Pradesh.	08-03-2013 to 09-03-2013
5.	National Conference on Advances in Mathematics & its Application (AMA-2013).	NIT, Hamirpur Himanchal Pradesh.	25-06-2013 to 27-06-2013
S. No.	Name of Workshop/FDP	Place	Date
1.	MATLAB for Engineering Applications (MAT-12)	NIT, Hamirpur	22-03-2012 (One day)
2.	Faculty Development Programme on Research Methodology	Uttaranchal University, Dehradun	4 – 9 December 2017 (07 Days)
3.	Teachers' Congruence & Faculty Development Programme	Uttaranchal University, Dehradun	16 – 22 July 2018 (07 Days)
4.	Workshop on MATLAB and its Applications	Uttaranchal University, Dehradun	13 – 14 September 2018 (Two Days)
5.	National Webinar on Numerical and Scientific Computing	Manipal University, Jaipur	01-07-2020
6.	Online Faculty Development program on ICT Based Teaching and Learning Process	RCP, Rorkee	01-07-2020 to 05-07-2020 (05Days)
7	One Week online National Faculty Development program	KS Jain Institute of Engineering	15-07-2020 to 21-07-2020 (06 Days)

		on E-Contents and ICT tools for Innovative and effective teaching	and Technology, Modinagar, Ghaziabad	
	8.	Faculty Development program on Computational Mathematics fir Engineers and Researchers	Poornima Institute of Engineering and Technology	10-07-2020 to 12-07-20202
	9	Online Faculty Development program on Holistic Teaching Techniques for University Teachers	Uttaranchal University, Dehradun	20-07-2020 to 25-07-2020 (06Days)
	10	National Webinar on Practical Aspects of Mathematics in Data Transmission and Personal Authentication System	VIT, University, Vellore	25-07-2020 to 25-07-2020 (02Days)
	S. No.	Name of Seminar	Place	Date
	1.	National Sciences Day	NIT, Hamirpur	28-02-2013 (One day)
	2.	Atomic Energy for Sustainable Growth [AESG-14]	NIT, Hamirpur	13-03-2014 (One day)
	3.	Seminar on IPR	Uttaranchal University, Dehradun	7-12-2017 (One day)
	4.	Seminar on Various Topics of Professional Interest (ICSI, Dehradun Chapter)	Uttaranchal University, Dehradun	16-08-2018 (One day)
	S. No.	Name of Webinar	Place	Date
	1	National Webinar on Fluid Dynamics	Manipal University, Jaipur	23-06-20202
	2	National Webinar on Mathematical Model on Transmitting Behaviour of Covid-19	Manipal University, Jaipur	25-06-20202
	3	A Six Day National webinar series on Application of Mathematics	KPR Institute of Engineering and Technology, Coimbatore	06-07-2020 to 11-07-20202

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Award/Certificate/Prize received	GATE, 2010				
Any extra-curricular activities	NAAC College coordinator-I (SALS)				