1. Name: Dr. Kultaran Kumari 2. Designation: Assistant Professor 3. Mobile No. 7807912685 4. Qualification: B.Ed. In 2010 from Himachal Pradesh University, Shimla. M.Sc. in 2012 from Himachal Pradesh University, Shimla. M.Phil. in 2013 from Himachal Pradesh University, Shimla. Ph.D. in 2020 from Himachal Pradesh University, Shimla. 5. Awards/Fellowships: Research Fellow (Under UGC Major Research Project) (from 2016-2017). Young Researcher Award 2022 by InSc. 5. **Membership:** 1. Himachal Mathematics Society 2. InSc - Institute of Scholars **6. Academic Achievements:** HP TET 2016 and HP SET 2017. **8. Teaching Experience**: 06 years Worked as Post Graduate Teacher in the Deptt. of Higher Education at Govt. Sen. Sec. School Balsa, Rohru, Distt. Shimla from 8th june 2017 to 27th Sep. 2018. Worked as Assistant Professor Mathematics at Government Degree College Sarkaghat Distt. Mandi Himachal Pradesh. from 28th Sep. 2018 to 07th Oct. 2022. Oct. 2022-till date in Department of Mathematics, Govt. College Bhorani (Tarkwari) Hamirpur, Himachal Pradesh. **Departmental Exam** (Financial Administration) cleared in 2022 Conducted by HIPA Workshops/Conferences/Seminars Attended-12 Orientation Courses/Faculty induction Programmes attended -02 Refresher Courses attended-01 9. **Research Publications-14** ☐ Jyoti Prakash, Renu Bala and **Kultaran Kumari**, Upper Limits to the Linear Growth Rate in Triply Diffusive Convection, Res. J. Eng. Tech., 6(1), (2015), 47-49. ☐ Jyoti Prakash, Rajeev Kumar and **Kultaran Kumari**, Linear Triply Diffusive Convection with viscosity variations, Int. J. Phys. Math. Sci. 5(1) (2015), 186-196. ☐ Jyoti Prakash, Virender Singh, Rajeev Kumar and Kultaran Kumari, The onset of convection in a rotating multicomponent fluid layer, J. Theoretical and Appl. Mech., (Warsaw) 54(2), (2016), 477-488. ☐ Jyoti Prakash, Kultaran Kumari, Kanu Vaid and Renu Bala, On Exchange Principle in Rotatory Hydrodynamic Triply diffusive Convection Analogous to Stern Type in Porous Medium, H. P. U. Journal, 3(2), (2015), 180-187. ☐ Jyoti Prakash, Kultaran Kumari and Vinod Kumar, On the onset of

stationary convection in double-diffusive binary viscoelastic fluid saturated

		anisotropic porous layer, International Journal of technology 6(2), (2016),
		223-226. Jyoti Prakash, Kultaran Kumari and Rajeev Kumar, On triply diffusive
	Ш	convection in a Maxwell fluid layer, Bull. Cal. Math. Soc., 108(5), (2016),
		353-366.
		Jyoti Prakash, Kultaran Kumari and Rajeev Kumar, Triple diffusive
		convection in a Maxwell fluid saturated porous layer: Darcy
		Brinkman-Maxwell model, J. Porous Media, 108(5), 19(10), (2016), 871–883.
		Jyoti Prakash and Kultaran Kumari, On double-diffusive convection in a
		binary viscoelastic fluid saturated anisotropic porous layer, Research Journal
		of science and technology, 9(1), (2017), 123-126.
		Jyoti Prakash, Renu Bala and Kultaran Kumari , Upper bounds for the complex growth rates in ferromagnetic convection in a rotating porous
		medium: Darcy-Brinkman Model, Bull. Cal. Math. Soc., 109(2), (2017),
		153-170.
		Jyoti Prakash, Rajeev Kumar and Kultaran Kumari, Thermal convection in
		a ferromagnetic fluid layer with magnetic field dependent viscosity: a
		correction applied, Studia Geotechnica et Mechanica (Poland) 39(3),
		(2017),39-46.
		Jyoti Prakash, Pankaj Kumar, Kultaran Kumari and Shweta Manan, Ferromagnetic convection in a densly packed porous medium with magnetic
		field dependent viscosity revisited, Z. Naturforsch. A, (De Gruyter,
		Germany), 73 (3), 181-190 (2018). ISSN-1865-7109.
		Jyoti Prakash, Kultaran Kumari, Vinod Kumar and Vipan Sharma, On the
		Limitations of Complex Growth Rate in Triply Diffusive Convection in
		Porous Medium: Darcy-Brinkman model, Int. J. Math. And Appl.,
		6(2–B)(2018), 369–375.ISSN: 2347-1557.
		Jyoti Prakash, Kultaran Kumari , Pankaj Kumar, Rajeev Kumar and Khem Raj Sharma, Ferromagnetic Convection in a Rotating Medium with Magnetic
		Field Dependent Viscosity. A Correction Applied, Technische Mechanik
		(Germany) 39 (2), (2019), 190 – 201. (ISSN-0232-3869,)
		kaka Ram , Jyoti Prakash , Kultaran Kumari , Pankaj Kumar , Upper
		Bounds for the Complex Growth Rate of a Disturbance in Ferrothermohaline
		convection Studia Geotechnica et Mechanica , 2022 ; 114-122.
10.		Book Published-01
10. □		mputation and Applied Mathematics printed and published by Prashas
		search Consulting Pvt. Ltd. Hydrabad. The ISBN no. of book is
	97	78-93- 95699-91-4 on dated 28 th October 2023.
11.		Paper Presentations-15
		n Exchange Principle in Triply Diffusive Convection Analogous to Stern Type
		porous medium" in NSNDMAF-2015 organized by Department of athematics and Statistics, Shimla organized under UGC Special Assistance
		ogramme, DRS-II on dated 27-28 November, 2015.
		Upper limits to the Linear Growth Rate in Triply Diffusive Convection", in
		SAAMM-2015 sponsored by UGC, New Delhi and organized by Department of
		athematics, Sidhart Government College, Nadaun, Himachal Pradesh, India on
		h &13th March, 2015.
		n Double Diffusive convection in a binary viscoelastic fluid saturated
	anı	sotropic porous layer", in NCAMS-2016 organized by Department of

	Mathematics NSCBMGC Hamirpur, H.P., India, Sponsored by UGC, New Delhi
	on December 21-22, 2016.
	"On the Limitations of Complex growth rate in triply diffusive convection in
	porous medium: Darcy-Brinkman model", in National Seminar on Algebra and
	Allied Fields, organized by Department of Mathematics and Statistics, Shimla
	under UGC Special Assistance Programme, DRS-II on 24th & 25th March, 2017.
	"Triple Diffusive Convection in a Maxwell fluid Saturated Porous Layer:
	Darcy-Brinkman -Maxwell model", in ICMSAS-2019 organized by Department of Methometries NSCPMCC Hamirpur, H.P. India, Spangared by NPJIM
	of Mathematics NSCBMGC Hamirpur, H.P.,India, Sponsored by NBHM, Mumbai, India and DRDO, New Delhi, India on November 29-30, 2019.
	"Significance of Mathematics in Physics" State level Seminar on Importance of
	mathematics in other Disciplines(SLSIMOD-2021) Department of Mathematics
	and Internal Quality Assurance Cell(IQAC) on December 22, 2021.
	"Importance of Mathematics in the evolution of science", in SLMDSIM-2022
	Organized by Deptt. of Mathematics and IQAC NSCBMGC, Hamirpur(H.P.)
	December 22, 2022.
	"Contributions made by Dr. B.R.Ambedkar" in State Seminar on Life and
	Contributions of Dr.B.R.Ambedkar and Contemporary Issues in the Society
	Department of Zoology (NSCBM Govt. College, Hamirpur (H.P.)) on December
	6, 2022.
	"Significance of Mathematics in Environment", in Two days International
	Conference on Environmental concerns, climate change and resource
	management in the western himalayas by IQAC RNTGCS, Distt. Mandi(H.P.)
_	5 th -6 th June 2023.
	"An overview of Education in Tribal areas of Himachal Pradesh", in
	International Conference on Tribal in India: Isues, Challenges and the Road
	Ahead by Govt. College Pangi in collaboration with Himalayan Council for Scientific Research (HCSR) 1st -2nd and 4 th October 2023
	"Role of Education in the Development of Tribal Areas", in Himachal Pradesh
	University, University Regional Centre Dharamshala(H.P.), International Hybrid
	Conference on History and Culture of Himalayan Tribes: Statues and Continuity
	in colaboration with GFSRD October 27- 28, 2023
	"A Review on the Applicability of Mathematical Modeling for the Wastewater
	Treatment Process", in National Conference on BIODIVERSITY LOSS AND
	CLIMATE CHANGE: TWO FACES OF THE SAME COIN Organized by
	Department of Bio-Sciences, Rabindranath Tagore Govt. College Sarkaghat,
	Distt.
	Mandi(H.P.) 3rd December, 2023
	"Culture and Civilization of Himachal Pradesh: An Overview" in 2nd
	International Conference on English Language Literature and Culture by The
	Achievers Foundation of English Studies (TAFFES), Bhadohi, Uttar Pradesh,
	India in collaboration with Madan Mohan Malaviya University of Technology,
	Gorakhpur, UP and LJNH Govt. Girls College, Kotla Khurd, Una,(H.P.) on 02-03
	December 2023. "Healthcare in India: Recent Trends" in National Seminar on Environmental
Ш	Issues and Public Health Department of Botany and Zoology (Government
	College Bhoranj(Tarkwari), Hamirpur (H.P.)) on 27 th & 28 th , 2023.
	"Ferromagnetic Convection in a rotating medium with Magnetic Field Dependent
_	Viscosity: A Correction applied" in 2 nd International Conference on Mathematics
	in Space and Applied Sciences (ICMSAS-2023) Department of Mathematics

March 03-04, 2023.

■ Poster presentation on "Energy Conservation", in National Seminar on Electricity Conservation, Safety Measures and Consumer Rights Awareness in Context to Domestic Users of Himachal Pradesh, H.P.State Electricity Board (LTD.) organized by RNTGC Sarkaghat, Distt. Mandi(H.P.) on December 11, 2021

(NSCBM Govt. College, Hamirpur(H.P.)), Sponsored by DRDO, New Delhi on

- 13. Technical Session Chaired: 02
- □ National Seminar on Environmental Issues and Public Health Department of Botany and Zoology (Government College Bhoranj(Tarkwari), Hamirpur (H.P.)) on 27th & 28th, 2023.
- □ National Seminar on Electricity Conservation, Safety Measures and Consumer Rights Awareness in Context to Domestic Users of Himachal Pradesh, H.P.State Electricity Board (LTD.) organized by RNTGC Sarkaghat, Distt. Mandi(H.P.) on December 11, 2021.
- **14.** Reviewer of InSc International Publishing Platforms and also for Technical Events under the stream: Basic and Medical Sciences.