


FACULTY DETAILS PAGE ON WEB-SITE

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Name	DR RUCHI GOEL	Photograph 
Designation	Associate Professor	
Department	MATHEMATICS	
Address (Campus)	Department of Mathematics, D. N. College, Meerut.	
(Residential)	292- Green Heights Colony, A to Z Builders & Developers, NH-58, Roorkee Road, Meerut-250110 (U.P)	
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Education

Subject	Institution	Year	Details
Ph. D	C.C.S. University, Meerut	2006	Stability of Some Hydrodynamic and Hydromagnetic Parallel Shear Flows
M. Phil	Meerut University, Meerut	1989	Mathematical Analysis of Some Flow Instability
M.Sc.	Meerut University, Meerut	1985	Mathematics

Career Profile

Organization/Institution	Designation	Duration	Role
D.N.College, Meerut (U.P.)	Associate Professor.	15-12-1999 to till date	Teaching & Research
Research Interests / Specialization: Stability Theory, Operations Research.			
Teaching Experience (Subject / Courses Taught)			
U.G.Classes	All Courses	Since 1999 to till date	
P.G.Classes	Fluid Dynamics, Differential Geometry, Numerical Analysis, Number Theory	Since 1999 to till date	
Research Supervision Working	Awarded	Submitted	
Ph.D.	Four	Two	

Projects(M.Sc./M.Phil)	Twenty Two	-
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**Publications
In Indexed / Peer Reviewed Journals**

S. No	Year of Publication	Title	Journal	Co-Author
1.	2005	Note On Thompson-Chandrasekhar Criterion In Terrestrial Physics.	Acta ciencia Indica, Vol. XXXI M, 2, 597	Hari Kishan and V.K. Agarwal
2.	2005	Hydromagnetic Stability of Non-Newtonian Fluids	Proceedings of NSMCS, Vol. 01, 171-180	Harikishan
3.	2006	Spatial stability of Stratified Dusty Shear Flows	Proceedings of National Seminar on RTAMPS	Harikishan
4.	2009	Soret-Dufour Instability of an Incompressible Viscous Fluid Confined in Porous Medium in the Presence of Magnetic Field	J. of Rajasthan Academy of physical science, 8(1), 115-126.	Jaimala, Subodh kumar rana and S. C. Agrawal
5.	2009	On the Shear Flow Instability in the β -Plane.	Jorn of International Academy of Physical sciences, vol. 13(1), 63-72.	Subodh kumar rana and S. C. Agrawal
6.	2009	Study of Revlin- Erickson Elastico-Viscous Fluid Heated and Soluted From Below in the Presence of Suspended Particals: Effect of Compressibility.	Reflections des Era- Jms, 4(3), 255-270.	Subodh kumar rana and S. C. Agrawal.
7.	2009	Thermosolutal Instability of an Incompressible Viscous Fluid Confined in an Anisotropic Porous Medium in the Presence of Magnetic Field.	J. of Rajasthan Academy of physical science, 8(4), 431-440.	Subodh kumar rana and S. C. Agrawal.
8.	2010	Spatial Shear Flow Instability of incompressible Visco-Elastic Second Order Fluid in Porous Medium.	Int. J. stability and fluid mechanics, 1(1), 135-145.	Anuj kumar Agarwal and S. C. Agrawal.
9.	2010	Spatial Stability of Compressible Shear Flows.	Inter. Jour. Stab. Fluid Mech. Vol. 1(1), 147-154.	Hari Kishan and Naresh Kumar.
10.	2010	Thermal Instability of Stratified Viscous Shear Flows.	Arya Bhata Journal of Mathematics & Information, Vol. 2(2). 273-280.	Hari Kishan and Naresh Kumar Dua.

11.	2010	An Analytical Approach to Shear Flow Instability of Dusty Fluid in Motion: Effect of Fine Dust and Weak Magnetic Field.	Proc. Nat. Acad. Sci. India, Section A, Vol. 80 Part IV, 319-326.	Jaimala, Hari Kishan, V.K. Agrawal and S.C. Agrawal.
12.	2010	Spatial Stability of Spiral Flows.	IJSFM, Vol 1(2), 253-260.	Hari Kishan and Shweta Chaudhary.
13.	2010	Spatial Stability of Stratified Compressible Shear Flows.	IJSFM, 2010, Vol. 1(2), 261-268.	Hari Kishan and Neena Gupta.
14.	2010	Spatial Stability of Compressible Shear Flows.	Int. J. Stability and Mechanics, 1(1), 147-154.	Hari Kishan and Naresh Kumar.
15.	2011	Hydromagnetic Stability of Stratified Shear Flows in the Presence of Cross Flow.	Annales Polonici Mathematici Vol. 102, 15-23.	Naresh Kumar and Hari Kishan
16.	2011	Hydromagnetic Stability of Swirling Flows of Compressible Fluid.	IJSFM, Vol. 2(1), 21-30.	Hari Kishan and Neena Gupta.
17.	2011	Spatial Stability of Inviscid Homogeneous Parallel Shear Flows.	IJSFM, Vol. 2(1), 77-88.	Hari Kishan and Shweta Chaudhary.
18.	2011	Spatial Stability of Swirling Flows.	IJSFM, Vol. 2(2), 175-182.	Hari Kishan and Neena Gupta.
19.	2011	Thermal Instability Revin- Erickson Visco-Elastic Fluid in an Anisotropic Porous Medium in Presence of Weak Magnetic Field.	Int. J. stability and fluid mechanics, Volume. 2(1), 65-76.	A. K. Agarwal, and S. C. Agrawal.
20.	2011	Integrated Inventory Policy With Linear Demand And Time Dependent Deterioration.	Int. J. Operation Research and Optimization, 2(1), 2231-4741.	Amit Sharma and Shivraj Singh.
21.	2011	Spatial Stability of Hydromagnetic Swirling Flows	Caledonian Journal of Engineering Vol. 07 (2) ,33-38.	N.K. Dua and Harikishan
22.	2012	Optimal Policy For EOQ Model With Two Level Credits In One Replenishment Cycle.	American journal of operation research, 2, 51-58.	Amit Sharma, and Naresh Kumar Dua.

Seminar / Conferences attended

1. Participated in All India Symposium on Mathematics into the 21st Century from March 26-27 ,2000 at C.C.S. University , Meerut.
2. Participated in Orientation Programme of 4-weeks from April. 03,2002 to May. 01, 2002 at ASC, Jamia Millia Islamia, New Delhi
3. Participated in Refresher Course of 3-weeks from Nov. 24,2003 to Dec. 14, 2003 at C.C.S. University , Meerut
4. Participated in UGC Sponsored National Seminar on “Role of Mathematics on the Forthcoming Developments in Computer Science”, from Nov. 29-30,2005 organized by Department of Mathematics and Computer Science, S.D. (P.G.) College, Muzaffarnagar, (U.P.)
5. Participated in CONIAPS-VIII-2005 organized by C. C. S. University, Meerut (U.P.) on Dec.29-31,2005.
6. Participated Refresher Course of 3-weeks from Dec.14,2007 to Jan.5,2008 at CPDHE, University of Delhi.
7. Participated Refresher Course of 3-weeks from Sept.10,2008 to Sept.30,2008 at CPDHE, University of Delhi.
8. Participated in the National Conference on “Recent Trends in the Advancement of Astronomy and Applied Mathematics” organized by Department of Mathematics, SGRR (PG) College, Dehradun on Nov.14-15 ,2009.
9. Participated in the triennial Conference on “Association of Asia Pacific Operational Research Societies (APORS)” held at Jaipuria Institute of Management, Jaipur, India during December 6-9, 2009 organized by ORSI.
10. Participated in the National Seminar on “Emerging Issues in Supply Chain Management With Special Reference to IT” organized by Institute of Professional Excellence & Management, Ghaziabad on March 13,2010.
11. Participated in the Annual Conference of Vijnana Parishad of India and The Global society of Mathematical and Allied Sciences organized by Shobhit University, Meerut on March 24-26,2011.
12. Participated in the International conference on The Legacy of Srinivasa Ramanujan, organized by the University of Delhi on 17-22 December 2012.

Conference Presentation -

1. Research Paper entitled “Analysis of an EPQ System Weibull Detioration and Shortages ” presented in the National Conference on “Recent Trends in the Advancement of Astronomy and Applied Mathematics” organized by Department of Mathematics, SGRR (PG) College, Dehradun on Nov.14-15 ,2009.
2. Research Paper entitled “Hydromagnetic Stability of Stratified Shear Flows” presented in the National Conference on “Recent Trends in the Advancement of Astronomy and Applied Mathematics” organized by Department of Mathematics, SGRR (PG) College, Dehradun on Nov.14-15 ,2009.
3. Research Paper entitled “Spatial Shear Flow in Stability of Incompressible Visco-elastic Second Order Fluid in Porous Media” presented in the National Seminar on “Computational Mathematics & Operations Research” organized by B K Birla Institute of Engineering & Technology, Pilani (Rajasthan) on Nov.28-29,2009.

Public Service / University Service / Consulting Activity
Professional Societies Memberships
Projects (Major /Minor Grants / Collaborations) Minor Project- Funded by U.G.C. during 2002-2006.
Other Details :