


CURRICULAM-VITAE

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)	
Phone No (Campus)	0121-2422244	
(Residence) Optional		
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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, Operations Research, Mathematical Programming	Since 1999 to till date	

Research Guidance:

Degree	No. of Research Scholars Enrolled	Thesis submitted	Degree awarded
Projects (M.Sc./M.Phil)	-	-	22
Ph.D./D.Phil.	04	-	06

Publications: In Indexed / Peer Reviewed Journals

S. No	Year of Publication	Title	Journal	Co-Author
1.	2005	Note On Thompson-Chanderasekhar 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	Hari Kishan
3.	2006	Spatial stability of Stratified Dusty Shear Flows	Proceedings of National Seminar on RTAMPS	Hari Kishan
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.	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
15.	2011	Hydromagnetic Stability of Swirling Flows of Compressible Fluid.	IJSFM, Vol. 2(1), 21-30.	Hari Kishan and Neena Gupta
16.	2011	Spatial Stability of Inviscid Homogeneous Parallel Shear Flows.	IJSFM, Vol. 2(1), 77-88.	Hari Kishan and Shweta Chaudhary
17.	2011	Spatial Stability of Swirling Flows.	IJSFM, Vol. 2(2), 175-182.	Hari Kishan and Neena Gupta
18.	2011	Thermal Instability Revlin- 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.
19.	2011	Integrated Inventory Policy With Linear Demand And Time Dependent Deterioration.	Int. J. Operation Research and Optimization, 2(1), 2231-4741.	Amit Sharma and Shiv Raj Singh
20.	2011	Spatial Stability of Hydromagnetic Swirling Flows	Caledonian Journal of Engineering Vol. 07 (2) ,33-38.	N.K. Dua and Hari Kishan
21.	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
22.	2012	Stability of Superposed Viscoelastic (Walters B') Fluids in the Presence of Suspended Particles through Anisotropic Porous Medium	International journal of Stability and Fluid Mechanics, ISSN: 0975-8399 Vol. 3, No. 2, pp. 125-135.	Sudhir Kumar Yadav, Aabhas Goel and Anuj Agarwal

23	2013	Rayleigh-Taylor Instability of Rivlin-Ericksen Elastico-Viscous Fluid Through Anisotropic Porous Medium	International Transactions in Applied Sciences, ISSN: 0975-3761, 0974-7273, Vol. 5, No. 4, pp. 629-636.	Sudhir Kumar Yadav, Anuj Agarwal
24.	2014	Hydro Magnetic Stability of Stratified Flows in Sea Straits of Arbitrary Cross Section	Int. J. Eng. Res. & Man. Tech.. ISSN: 2348-4039, Vol. 1, Issue 4, pp. 169-175.	Hari Kishan and Shweta
25.	2015	Stability Analysis of a Maxwell Fluid in Anisotropic Porous Medium Heated From Below	Maths. Sci. Int. Res. J. ISSN: 2270-0697, Vol. 4, Issue 2, pp. 37-43.	Sudhir Kumar Yadav
26.	2015	Thermal Instability in Anisotropic Porous Medium Layer Saturated By A Nano-Fluid: Brinkman Model	Ary. J. of Math. & Inf., ISSN: 0975-7139, Vol. 7, Issue 2, pp. 391-396.	Sudhir Kumar Yadav, Naresh Kumar Dua
27.	2017	Thermosolutal Instability of the Rivlin-Ericksen Rotation Fluid in An Anisotropic Porous Media,	Maths. Sci. Int. Res. J. ISSN: 2270-0697, Vol. 6, Issue 1, pp. 198-204.	Anuj Kumar Agarwal and S.C. Agarwal
28	2019	A Supply Chain Inventory Model for Deteriorating Items with Variable Lead Time and Varying Demand under Shortages	Jour of Adv. Res. in Dyn. and Control system Vol. 11 ,Issue 06, pp 87-96	Vipin Kumar Tyagi, Manindar Singh and Sunil Kumar
29	2020	Modeling and Analysis of a Closed Loop Supply Chain with Uncertain Lead Time in the Perspective of Inventory Management	International journal of Scientific & Technology Research Vol. 9, Issue 01, pp 1648- 1655	Vipin Kumar Tyagi, Manindar Singh and Sunil Kumar

30	2020	An Inventory Control Problem For The Lifetime Effect With Trade Credit	Solid State Technology, Vol. 63, Issue 5	Manindar Singh
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Seminar / Webinar / Conferences attended / Paper Presentation:

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 and Paper Presented 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 and Paper Presented in CONIAPS-VIII-2005 organized by C. C. S. University, Meerut (U.P.) on Dec. 29-31, 2005.
6. Participated and Paper Presented in RTAMPS – 2006 organized by D. N. College, Meerut on Nov. 6th, 2006.
7. Participated Refresher Course of 3-weeks from Dec. 14, 2007 to Jan. 5, 2008 at CPDHE, University of Delhi.
8. Participated Refresher Course of 3-weeks from Sept. 10, 2008 to Sept. 30, 2008 at CPDHE, University of Delhi.
9. Participated and Paper 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.
10. Participated and Paper 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.
11. 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.
12. 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.
13. Participated and Paper Presented 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.
14. Participated in the International conference on The Legacy of Srinivasa Ramanujan, organized by the University of Delhi on Dec. 17-22, 2012.
15. Participated in the International conference on the Recent Trends in Interdisciplinary Science – Opportunities and Challenges organized by Modi College, Modinagar on Feb. 28 – Mar. 01, 2014.
16. Participated and Paper Presented in International Conference in mathematics organized by University of Kerala, Thiruvananthapuram, Kerala on Nov. 26-28, 2015.
17. Participated and Paper Presented in National Seminar on Quality Assurance in Higher Education “Involvement of information and communication technology” organized by D. J. College, Baraut

(Baghpat) UP on Mar. 01-02, 2016.

18. Participated in the National Seminar on “Digital India Technology Trends and Challenges” organized by Institute of Professional Excellence & Management, Ghaziabad on Oct. 08, 2016.
19. Participated in Workshop on “भारत मे उच्च शिक्षा: अवसर एवं चुनौतीया” organized by IQAC, C. C. S. University, Meerut (U.P.) on Mar. 19, 2017.
20. Participated and Paper Presented in International Conference on Advances in Mathematics & Engineering Sciences organized at IMRF Chandigarh Chapter, Chandigarh on Apr. 27-29, 2017.
21. Participated and Paper Presented in National Seminar On Protecting Human Rights in the Age of Globalization: The Challenges & Opportunities organized by D. P. B. S. (P.G.) College, Anoopshahar, Bulandshahar (UP) on Mar. 04-05, 2017.
22. Participated and Paper Presented in National Conference on “Advances in Operation Research & Mathematical Sciences” organized by ORSI Meerut Chapter and Vardhaman College, Bijnor (UP) on Feb. 24-25, 2018.
23. Participated in Workshop on “उच्च शिक्षा में मूल्यपरकता एवं भारतीय परिदृश्य” organized by IQAC, C. C. S. University, Meerut (U.P.) on Mar. 31, 2018.
24. Participated and Paper Presented in International Conference on “redefining role of teachers in the new emerging world” organized by D.I.M.S Meerut U.P on Apr. 28-29, 2018.
25. Participated in Workshop on “संशोधित प्रत्यायन संरचना हेतु जागरूकता - नैक अंतर्गत मूल्यांकन एवं प्रत्यायन में संशोधन” organized by IQAC, C. C. S. University, Meerut (U.P.) on Feb. 04, 2019.
26. Delivered invited talk in 21st Annual Conference of Vijnana Parishad of India on “Modeling Optimization and Computing for Technological and Sustainable Development ” organized by SRM Institute of Science and Technology Ghaziabad (UP) on Apr. 26-28, 2019.
27. Participated in Three Day Faculty Development Programme on “Applications of Scientific Tools and Techniques in” organized by RTU and B K Birla Institute of Engineering & Technology, Pilani (Rajasthan) on Sep.06-08, 2019.
28. National Workshop on “Understanding Academic Integrity and Practices to Avoid Plagiarism” organized by Department of English, D.N. College, Meerut on Sep. 29, 2020.
29. Participated in Webinar on “Indian Moving Towards Bharat” organized by KCMT, Bareilly on May 1, 2020.
30. Participated in National Webinar on “Seven Criteria of NAAC” organized by INTERNAL QUALITY ASSURANCE CELL (IQAC), Maitreyi College, New Delhi on May 14, 2020.
31. Participated in Webinar on “Perspective of teaching in the context of social distancing amid COVID-19: Challenges and opportunities” organized by J.N.M.P.G., College, Lucknow on May 15, 2020.
32. Participated in Faculty Development Programme on “Outcome-Based Education” organized by Inpods on May 19, 2020.
33. Participated in three days national level course on “Operations Research” organized by Santikumara Nadars College (Autonomous), Virudhunagar Tamil Nadu on May 18-20, 2020.
34. Participated in Three Day Faculty Development Programme on “An IQAC Initiative Sessions: Intellectual Property Rights” organized by C.B. Bhandari Jain College on May 28, 2020.
35. Participated in Three Day Faculty Development Programme on “An IQAC Initiative Sessions: Alternate Learning-Post Covid Digital Era” organized by C.B. Bhandari Jain College on May 29, 2020.
36. Participated in International e-Conference on “Sustainable Development After COVID-19: Environmental Issues and Challenges” organized by D.N. (P.G.) College, Meerut on Jun. 01-02, 2020.
37. Participated in International Webinar on “COVID-19 : Challenge and Opportunities” organized by Mahamaya Govt. Degree College, Mohana, Lucknow on Jun. 03, 2020.
38. Participated in National Webinar on “Digital Learning In and Beyond COVID-19” organized by

R.G. (P.G.) College, Meerut on Jun. 07, 2020

39. Participated in National Webinar on “Application on Mathematical Modeling and Statistical Learning on COVID-19 and its Related Problems” organized by Department of Mathematics and Department of Statistical Bareilly College, Bareilly on Jun. 07, 2020.
40. Participated in International Webinar on “Futuristic Approach towards the Mental and Physical Health of Student During Covid-19” organized by Govt. Degree College Kuchlai, Sitapur on Jun. 10, 2020.
41. Participated in International Webinar on “Present & Post Covid 19 Scenario: With Special Reference to Arts” organized by M.K. (P.G.) College, Uttarakhand on Jun. 12-13, 2020.
42. Participated in National Webinar on “Impact of COVID-19 on International Trade” organized by C.B.Bhandari Jain College on Jun. 12, 2020.
43. Participated in International Webinar on “Dekho Apna Desh” organized by Km. Mayawati Govt. Girls P.G. College, Badalpur, Uttar Pradesh on Jun. 16, 2020.
44. Participated in International Webinar on “Dekho Apna Desh” organized by Govt. Girls P.G. College, Hamirpur, Uttar Pradesh on Jun. 18, 2020.
45. Participated in National Webinar on “Role of Yoga & Environment in Protecting Human Existence” organized by Mahamaya Govt. Degree College, Mohana, Lucknow on Jun. 20, 2020.
46. Participated in National Online Workshop on “Yoga From Home: To fight Covid-19” organized by Guru Nanak Girls, P.G. College, Sunder Nagar, Kanpur on Jun. 21, 2020.
47. Participated in National Webinar on “Emerging Stronger & Successful, Covid & Beyond Pandemic Management using Technology – The Rsa Algorithm An Application of Number Theory” organized by SRM Institute of Science and Technology Ghaziabad (UP) on Jun. 27, 2020.
48. Participated in National Webinar on “वर्तमान में वैदिक गणित की उपयोगिता” organized by Ismile National Mahila (P.G.) College, Meerut on Jul. 08, 2020.
49. Participated in National Webinar on “Today’s India : Transforming challenges to Opportunities” organized by Kalicharan P.G. College, Lucknow on Jul. 20, 2020.
50. Participated in TEQIP-III five day Faculty Development Program on “Applications of Optimization Techniques in Science and Engineering Research” organized by B K Birla Institute of Engineering & Technology, Pilani on Aug. 23-27, 2020.
51. Participated in National Webinar on “समग्र और बहुविषयक शिक्षा की ओर बढ़ते कदम” organized by Sahu Ram Swaroop Mahila Mahavidyalya Bareilly (U.P.) on Aug. 27, 2020.
52. Participated in National Webinar on “New Education Policy 2020: Online Education and its amalgamation with classroom education” organized by IQAC, Bareilly College, Bareilly on Aug. 31, 2020.
53. Participated in National Webinar on “Scenario of Higher Education in Relation to National Education Policy: 2020” organized by S.D. College, Bhopa Road, Muzaffarnagar (U.P.) on Sep. 13, 2020.
54. Participated in National Webinar on “ National Education Policy 2020 : A Pathway Towards Development of Skills” organized by Vidyavati Mukund Lal Girls College, Ghaziabad (U.P.), Sep. 20, 2020.
55. Participated in National Webinar on “Developing, Uploading and Presenting E-Content” organized by S.D. College, Bhopa Road, Muzaffarnagar (U.P.) on Sep. 24, 2020.

Talks Delivered:

1. In Science seminar at Ismail National Women P. G. College, Meerut
2. In 21st Annual Conference of Vijnana Parishad of India at SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad (U.P.)
3. In National Webinar on Education Policy, Environmental Safety and Role of Women in Emerging India jointly organized by IARS, RAS-BIO, Hindu College-Moradabad and D. N. College-Meerut.

Minor Research Project (UGC):

Stability of Some Hydrodynamic and Hydromagnetic Parallel Shear Flows

Industrial Project:

Operational Management on Radio Frequency Identification (RFI) Related to Industries

Membership:

1. Life member of “Bharata Ganita Parishad”.
2. Member of Editorial Board of the journal “International Journal of Operations Research and Optimization” (ISSN-0975-3737).

Administrative Assignments:

1. IQAC Co-ordinator of D. N. College, Meerut since 2016.
2. Member of Proctorial Board.
3. Member of Sports Committee.
4. Admission In-charge for M.Sc. Mathematics course.
5. Worked as Admission In-charge for B.Sc. course from 2005-2016 and 2018-2019.
6. Worked as member of Anti-Ragging Cell.
7. Worked as Member of U.G.C Affairs Committee.
8. Worked as Part time Assistant Coordinator of IGNOU study centre.