



Faculty Profile

1. **Name:** Ravi Prakash Mathur
2. **Designation:** Associate Professor
3. **Department:** Mathematics
4. **Educational Qualification:**



Level	Name of University/Board	Year	Title/ Remark/ Medal
UG	Jai Narain Vyas University, Jodhpur	1992	
PG	Jai Narain Vyas University, Jodhpur	1994	Gold Medal
Ph.D.	Jai Narain Vyas University, Jodhpur	2002	Stability Studies in Hydromagnetic Configurations.

5. Experience: Teaching / Research

UG	25	PG	6	Research	

6. Membership (Academic Bodies/ Research societies):

Life Member of Rajasthan Ganita Parishad

7. M.O.O.C (Developed by Faculty):

8. Awards Received:

9. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	Chadigarh	UGC	01.06.2004 – 28.06.2004
Refresher	Jaipur	UGC	01.11.2006 – 21.11.2006
	Shimla	UGC	10.11.2008 – 29.11.2008
Others (Workshop/ Summer School/ Camp etc.)			

Signature



Online F.D.P (Faculty Development Programme)	Gyan Ganga Programme R.R. College , Alwar	Commissionerate College Education , Rajasthan	01.02.2021 – 06.02.2021
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10. Seminar/ Conference :

Name of Symposium/ Seminar/Conference	Internat./ National/ Regional	Organized by	Title of Paper presented	Year
National Conference on Application of Special Functions	National Conference	Jai Narain Vyas University, Jodhpur	Stability of Rotating Gravitating Plasma	2007
National Conference on Creating a Better India through Corporate Governance.	National Conference	Seth G.L.Bihani S.D. PG College, Sri Ganganagar	Corporate Governance: Point to Poder	2011
International Conference on Special Functions and their Applications	International Conference	Jai Narain Vyas University, Jodhpur	Keivin Helmholtz Discontinuity in Partially Ionized Plasma	2011
International Conference on Multidisciplinary aspects of Human Rights and the Environment	International Conference	Govt. M. S. College, Bikaner & R. R. Govt. College, Alwar	A Mathematical Model on Water Pollution in Rivers	2023
National Seminar on Tourism and Sustainability	National Seminar	Dayanand College, Ajmer	Navigating Tourism's Complex Terrain : The Crucial Role of Mathematics	2023
International Conference on Science , Technology and Society	International Conference	S.P.C. Govt. College, Ajmer	Building Bridges : The Intersection of Mathematics ,Technology and Sociicity	2023
National Seminar on NEP 2020 : Implementation and Challenges	National Seminar	M. B. R. Govt. College, Balotara	Challenges in Implementing The National Education Policy- 2020	2024

Signature



11. Organizing Sec./Convener of conference/seminar/webinar :

Conference/Seminar Title	Year

12. Resource Person:

In training Programme	
In conferences/Seminars (Chair/Co-Chair/of Session)	

13. Research Publications

Title of Paper	Name of Journal with Impact factor & ISSN No.	Volume and No. with Year	Citation Index	Impact Factor	Google Index
Instability of viscoelastic superposed fluids in a vertical magnetic field through porous medium	GANITA SANDESH	Vol. 17(2), 2003			
Kelvin – Helmholtz discontinuity in partially ionized plasmas	INDIAN JOURNAL OF PHYSICS	Vol. 78(10), 2004			
Stability of rotating gravitating streams	Z.NATURFORSCH	Vol. 60a, 2005			
Stability of viscous rotating gravitating streams in a magnetic field	Z.NATURFORSCH	Vol. 61a, 2006			
Stability of a viscoelastic fluid of variable density in an inhomogeneous magnetic field	GANITA SANDESH	Vol. 23(2), 2009			
Stability of superposed Walter B' viscoelastic fluids immersed in horizontal magnetic field	INTERNATIONAL JOURNALS OF STABILITY AND FLUID MECHANICS	Vol. 1(2), 2010			

Signature



Stability of a viscoelastic (Maxwell) fluid of variable density in an inhomogeneous magnetic field through porous medium	GLOBAL JOURNAL OF MATHEMATICAL SCIENCES: THEORY AND PRACTICAL	Vol. 3(5), 2011.			
Stability of two superposed streaming fluids in a vertical magnetic field through a porous medium	ARYA BHATTA JOURNAL OF MATHEMATICS & INFORMATICS	Vol. 3 (2) , 2011			
Rayleigh – Taylor instability viscoelastic fluid immersed in a horizontal magnetic field	ARYA BHATTA JOURNAL OF MATHEMATICS & INFORMATICS	Vol. 3 (1), 2011			
Rayleigh – Taylor instability of a stratified fluid in an inhomogeneous magnetic field	VOYAGER	Vol. I (1) , 2011			
Effect of neutral gas friction on the instability of superposed streaming plasma	STUDIA GEOTECHNICA ET MECHANICA	Vol. XXXIII, No. 4, 2011			
Effect of surface tension on the stability of superposed viscous – viscoelastic (couple – stress) fluids through porous medium	PROC. INDIAN NAT. SCI. ACAD.	Vol. 77 (4), 2011			
Effect of surface tension on the Rayleigh Taylor’s instability of two superposed viscous –Viscoelastic fluids	ARYA BHATTA JOURNAL OF MATHEMATICS & INFORMATICS	Vol. 4 (2), 2012.			



Instability of two rotating Oldroydian viscoelastic superposed fluids through porous medium	INTERNATIONAL JOURNAL OF ENGINEERING, SCIENCE AND MATHEMATICS	Vol7(1) January 2018.			
An analysis of stability of superposed viscous – visco elastic fluids in the presence of suspended particles through porous medium.	INDUSTRIAL ENGINEERING JOURNAL	Vol. XVI July 2023.			
Application of Vedic Mathematics in computer science	International Journal of science and research	Vol. 13(2) February 2024.			

14. Research Projects:

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
A study of stability of visco – elastic fluids	2010	UGC	Utilized	Submitted

15. Research Supervision:

- Basic Field of specialization:

❖ Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so
Pardeep Singh	Stability studies of visco-elastic fluids under non-Newtonian fluids	Awarded	2013
Deepika Gupta	Stability of superposed fluids	Awarded	2014
Nagendra Kumar	Study of hydrodynamic and hydromagnetic stability	Awarded	2016

❖ M. Phil.

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
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Signature



S.P.C.G.C., Ajmer

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16. Monograph/ Book / Chapter (in Edited Book)/Chapters in study material of Open universities

- **Book (Single Author)**

Title of Book	ISBN/ ISSN No.	Publisher with Place	Year of Publication

- **Chapter(s) in Book (Edited / multi-author)**

Title of Chapter	Authors / Editors	Name of the Book with ISBN/ ISSN No.	Publisher with Place	Year of Publication

13 Sports Activities:

14 Extra Curricular Activities:

15. Any Other Relevant Information/Contributions

Signature