

RESUME

Name : Dr. Ravi Prakash Mathur

Date of Birth: 22/02/1973

Educational Qualification : M.Sc., Ph.D.

Teaching Experience :

UG : 22yrs.

PG : 6yrs.



Details Of Research Publications

1. Effect of surface tension on the Rayleigh Taylor's instability of two superposed viscous – Viscoelastic fluids.
By P. Singh, Y.Sharma and R.P. MATHUR
ARYA BHATTA JOURNAL OF MATHEMATICS & INFORMATICS
Vol. 4 (2), 2012.
2. Effect of surface tension on the stability of superposed viscous – viscoelastic (couple – stress) fluids through porous medium.
By R.P.MATHUR & DEEPIKA GUPTA
PROC. INDIAN NAT. SCI. ACAD. Vol. 77 (4), 2011
3. Effect of neutral gas friction on the instability of superposed streaming plasmas
By R.P.MATHUR & NAGENDRA KUMAR
STUDIA GEOTECHNICA ET MECHANICA Vol. XXXIII, No. 4, 2011.
4. Rayleigh – Taylor instability of a stratified fluid in an inhomogeneous magnetic field
By R.P.MATHUR & DEEPIKA GUPTA
VOYAGER Vol. I (1) , 2011
5. Rayleigh – Taylor instability viscoelastic fluid immersed in a horizontal magnetic field
By R.P.MATHUR & PRADEEP SINGH
ARYA BHATTA JOURNAL OF MATHEMATICS & INFORMATICS

Vol. 3 (1), 2011

6. Stability of two superposed streaming fluids in a vertical magnetic field through a porous medium

By R.P.MATHUR & PRADEEP SINGH

ARYA BHATTA JOURNAL OF MATHEMATICS & INFORMATICS

Vol. 3 (2), 2011

7. Stability of a viscoelastic (Maxwell) fluid of variable density in an inhomogeneous magnetic field through porous medium

By R.P. MATHUR & NAGENDRA KUMAR

GLOBAL JOURNAL OF MATHEMATICAL SCIENCES: THEORY AND PRACTICAL Vol. 3(5), 2011.

8. Stability of superposed Walter B' viscoelastic fluids immersed in horizontal magnetic field.

By R.P. MATHUR & PARDEEP SINGH

INTERNATIONAL JOURNALS OF STABILITY AND FLUID MECHANICS Vol. 1(2), 2010

9. Stability of a viscoelastic fluid of variable density in an inhomogeneous magnetic field

By R.P.MATHUR & P.K.BHATIA

GANITA SANDESH Vol. 23(2), 2009

10. Stability of viscous rotating gravitating streams in a magnetic field.

By R.P.MATHUR & P.K.BHATIA

Z.NATURFORSCH Vol. 61a, 2006

11. Stability of rotating gravitating streams.

By R.P.MATHUR & P.K.BHATIA

Z.NATURFORSCH Vol. 60a, 2005

12. Kelvin – Helmholtz discontinuity in partially ionized plasmas.

By R.P.MATHUR & P.K.BHATIA

INDIAN JOURNAL OF PHYSICS Vol. 78(10), 2004

13. Instability of viscoelastic superposed fluids in a vertical magnetic field through porous medium.

By R.P.MATHUR & P.K.BHATIA

GANITA SANDESH Vol. 17(2), 2003

List of Paper presented in Conferences:

1. National Conference of Vijnana Parishad of India on “Application of Special Functions”organised by J.N.V. University, Jodhpur on 25-27 oct. 2007.
2. National Conference on “Creating a Better India through Corporate Governance” organised by Seth G.L.Bihani S.D. PG College, SriGanganagar on 25-25 Feb. 2011.
3. International Conference on “Special Functions and their Applications” organised by J.N.V. University, Jodhpur on 28-30 July 2011.

Minor Research Project :

“A study of stability of visco – elastic fluids funded by UGC .Completed in 2010

Research Supervision :

Supervised 3 scholars for Ph.D. degree from Jodhpur National University, Jodhpur .

1. Pardeep Singh have been awarded Ph.D. degree in 2013.
His thesis title is “Stability studies of visco-elastic fluids under non-Newtonian fluids”.
2. Deepika Gupta have been awarded Ph.D. degree in 2014.
Her thesis title is “Stability of superposed fluids”.
3. Nagendra Kumar submitted thesis in 2015.
His thesis title is “Study of hydrodynamic and hydromagnetic stability”.

