

Dr.Rajbala Malik

[anjalisidharath@gmail.com](mailto:anjalisidharath@gmail.com)

Mobile: 09729102043



Educational Qualifications:

Degree	Year of Passing	University
BSc	2001	M.D University, Rohtak
MSc	2003	M.D University, Rohtak
MPhil	2005	M.D University, Rohtak
PhD	2011	M.D University, Rohtak

Career Profile:

Designation	Institute Served	Duration
Assistant Professor	Matu Ram Institute of Engg. and Mgmt., Rohtak.	15.7.2008 – 11.3.2015
Assistant Professor	All India Jat Heroes' Memorial College, Rohtak.	12.3.2015 to till Date

Details of Research Publications:

1. Analytical solution of two-dimensional model of blood flow with variable viscosity through an indented artery due to LDL effect in the presence of magnetic field, International Journal of Physical Sciences, Vol. 5(12), 2010, International Journal of Physical Sciences.

2. Analysis of non-Newtonian blood flow through stenosed vessel in porous medium under the effect of Magnetic Field, Vol.6(10), 2011, International Journal of Physical Sciences.
3. Analysis of Two layered model of Blood Flow through Composite Stenosed Artery in Porous Medium under the effect of Magnetic Field.Vol.12(3), 2013, Journal of Rajasthan Academy of Physical Sciences.
4. Analysis of Two Layered Model of Couple Stress Blood Flow in the Central Layer through Stenotic Tube in Porous Medium under the Effect of Magnetic Field. Vol.28(2), 2013, International Journal of Applied Mathematics.
5. A study of two-layered model of blood flow through composite stenosed tube in the presence of magnetic field, Vol. 3(2), 2013 International Journal of Applied Science & Technology Research Excellence.
6. An influence of magnetic field on couple stress blood flow through stenosed vessel, Vol. 3(3), 2013 International Journal of Applied Science & Technology Research Excellence.
7. Peristaltic Flow Characteristics of Blood through Stenotic Artery under The Influence of Magnetic Field and Slip Velocity., Vol. 8, Issue 7, July 2018.
8. Unsteady Peristaltic Transport of MHD Fluid through an inclined stenosed Artery with slip Effect. International Journal of Applied Engineering Research. Vol.14 (8) - 2019.
9. The Effect of slip velocity on unsteady peristalsis MHD Blood Flow through Constricted Artery experiencing body acceleration. International Journal of Applied Mechanics and Engineering, Vol.24 (2) -2019

**Publications:**

Partial Differential Equation: **By J.B. S. Publishers:ISBN:978-93-84009-23-6.**

**Participation in Conferences/Seminars/Workshops:**

1. National Seminar on Media: Language and Sensability: organised by A.I.J.H.M College, Rohtak.“Feeling of Unity in the subject of Mathematics”. **10-11 Nov, 2016.**
2. International Seminar on “Traditional Knowledge and Heritage of South Asia”, organised by A.I.J.H.M College, Rohtak and Research Institute for Humanity and Nature, Kyoto, Japan. “Study of Practical Mathematics in Heritage and Culture”. **15-16. Nov, 2016.**

3. Recent Advances in Mathematical Research, organised by Department of Mathematics, Rajiv Gandhi Govt. College, Saha, Ambala “Visco Elastic through an inclined Artery with Stenosis in the Presence of Magnetic Field”. **11 Feb 2017.**
4. UGC Sponsored National Seminar on Recent Developments in Mathematical Sciences: Department of Mathematics, M.D.U. Rohtak. “Effect of Magnetic Field on Pulsatile Blood Flow through Constricted Porous Channel in the presence of Erythrocytes”. **7-8 March, 2017.**
5. 20<sup>th</sup> Annual Conference of Vijnana Parishad of India on Mathematical Sciences and Scientific Computing for Industrial Development and International Symposium on Probabilistic Models and Applications of Special Functions: Department of Mathematics, School of Basic Sciences, Manipal University, Jaipur “A Mathematical Model of Magneto- Dynamic blood Flow through Permeable Stenosed tube with Variable Viscosity”.**24-26 Nov. 2017.**
6. National Seminar on Media: Mathematical Modelling, Optimization and Scientific Computing organised by Department of Mathematics, Hindu Girls, College, Sonipat “An Analysis for Non-Newtonian Magneto-Nano Fluid through Constricted Tubes”.**23 Feb, 2019.**

#### **Faculty Program:**

- Orientation Programme- UGC-Human Resource Development Centre, B.P.S. Mahila Vishwavidyalaya, Khanpur Kalan, Sonapat (Haryana)- 25<sup>th</sup> November 2015 to 23<sup>rd</sup> December 2015
- Refresher Course-UGC-HRDC Human Resource Development Centre, CPDHE, University of Delhi, Delhi- 6<sup>th</sup> June, 2017 to 27<sup>th</sup> June, 2017
- UGC Sponsored One-Week Short Term Course- BASIC AND APPLICATION OF MATLAB, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana. 22<sup>nd</sup>-26<sup>th</sup> February, 2010

