



MANAV RACHNA UNIVERSITY, FARIDABAD

Sector 43, Aravalli Hills, Manav Rachna Campus Rd, Faridabad, Haryana 121004

Dr. Dr Y K Sharma

Designation: Associate Professor

Qualifications: Ph.D. (Mathematics)

Email: yksharma@mru.edu.in

Experience: 23 Years



Google Scholar Profile

https://scholar.google.com/citations?view_op=new_articles&hl=en&imq=Yogendra+Kumar+Sharma#

Research Interest: Fluid dynamics and Mathematical Modeling

+ Journal Publication Details:

Sharma Y K, Sachin, Kumar Deepak, " **Study of stability and solution of a system of ordinary differential equations: Linear algebra**" in International Journal of Advance and Innovative Research, Vol (7) I(XVII)-page-320-323, March-2020

Sharma Yogendra Kumar, Schain, Mehta Bhawna and Kumar Deepak " **Mathematical Model for Genetics using Linear Algebra** " in FIRMS's International Journal of Mathematical Sciences, Vol1(1)-2019

Gupta Richa, Kumar Deepak, Mehta Bhawna, Sharma Y K, " **Prevalence of Diabetes Mellitus in two Vicinal Nations**" in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, December 2019.

Kumar Vijay, Saxena Arti, Sharma Y K, " **Stability Criteria of Kapur's Entropy under the Deformed Specification of Exponential Distribution**", MR International Journal of Engineering and Technology, Vol. 9, No. 1, June 2017.

Kumar Vijay, Sharma Y K, Prince Goyel " **A Comparative Study of Tsalli's and Kapure's Entropy in Communication System**", International Journal of Computer Applications, 62- 7, 2013.

Kumar Vijay, Sharma Y K, Bharti Isha, " **Fuzzy Diagnosis Procedure of the Types of Glaucoma**" International Journal of Applied Information Systems (JAIS), 1-6, 42-45, 2012.

Sharma Y K, Kumar Ajay, Kumar Vijay, " **Effect of Various Parameter in MHD Free Convective Flow of a viscous Fluid Past a hot Vertical Plate when system is rotating**" ISST Journal of Mathematics & Computing System, 2-1, 37-42, 2011

Sharma Y K, Kumar Vijay, " **Lower Bond of Uniquely Decipherable Codes Over Noiseless Channel**" ISST Journal of Mathematics & Computing System, 1-2, 75-78, 2010.

Sharma Y K, Kumar Ajay, " **MHD Free Convective Flow of a viscous Fluid with Heat source in Rotating System**" International Journal of Physical Science (Inter-Disciplinary Journal) Ultra Scientist of Physical Science, 19 -2, 285-290, 2007.

+ Conference Publications:

Sharma Y K, Kumar Vijay, “**MHD Free Convective Flow of a Viscous Fluid with Time Dependent Surface Velocity in Rotating System**” Presented in the form for international interdisciplinary Mathematics Fourteenth International Conference –CMASM-2007, held at IIT, Madras, Tamil Nadu, January 6-8, 2007.

Sharma Y K, Kumar Vijay, “**Hydromagnetic free convective flow of a viscous fluid with heat source and time dependent porous medium in rotating system**” Proceeding of the “Global Conference on Production and Industrial Engineering (CPIE-2007)”, held at Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab, March 22-24, 2007.

Sharma Y K, Kumar Vijay, “**MHD Free Convective Flow of a Viscous Fluid with Time Dependent Suction through a Porous Medium in Rotating System**” Proceeding of the Recent Developments and Future Trends in Mechanical Engineering (RDFTME)” held at NIT, Hamirpur, November, 3-4, 75-84, 2006.

Sharma Y K, Kumar Vijay, “**MHD Free Convection Flow of a Viscous Fluid Past a porous hot vertical plate in Rotating System**” Presented in 8th Conference of the International Academy of physical Science – CONIAPS-2005” held at CCS University, Meerut, 2005.

+ Book/Chapter Publications:

Text Book: “**Engineering Mathematics-I**, (Four Editions)”, published by - ACME Learning Pvt. Ltd. New Delhi, Year:2010, Authors- YK Sharma, Vijay Kumar

Text Book: **Engineering Mathematics** published by - Manav Rachna publishing House Pvt. Ltd, Chitranjan Park New Delhi, Year: 2008, Authors: YK Sharma, RS Goyal

+ Administrative Responsibilities:

“Feedback Co-ordinator” in MRU from January, 2017 to till date

“M.Sc. (Mathematics)-1st year program coordinator” in dept of mathematics July, 2020 to till date

+ Professional Affiliation:

International associations for Engineers (IAENG) Societies membership, Taiwan

Intellectuals SOCIETY FOR Socio – Techno Welfare (ISST), India

+ Expert Talk Delivered

Invited as speaker in a National Conference on “Innovative Strategies for Science and Technology, ISST-2013 and delivered the invited talk on “Significance of Calculus of Several Variables in the functioning of an academic Institution: A case study”, organized by department of Applied Science & Humanities of Indraprastha Engineering College, Sahibabad, Ghaziabad, UP, November,30, 2013

+ Event Organized (Conference/Seminar/FDP/Workshops)

Worked as an organizing team member to organize “International Conference on *Nanotechnology: Lessons from Nature and Emerging Technologies-ICNANO 2013*”, held at Ansal University, Gurgaon, July,25- 26,2013. (ONGC Sponsored)

+ Awards

The Institute of Electronics and Telecommunication Engineers (IETE) had appointed me as a Paper Setter and Evaluator in 2011, 2013, 2014 and 2015.