



Dr. RANGARAJU B. V.

ASSOCIATE PROFESSOR

DEPARTMENT OF MATHEMATICS

PROFILE

- Dedicated & Committed Faculty in Department of Mathematics, with 25 years of experience in teaching UG & PG Students.
- Subjects Handled: Engineering Mathematics, Numerical Analysis, Probability & Statistics, Operation Research Advanced Engineering Mathematics, Linear Algebra, Discrete Mathematical Structure.

CONTACT & LINKS

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EDUCATIONAL QUALIFICATIONS

B.Sc., B.Ed., M.Sc., M. Phil., Ph.D.

PROFESSIONAL EXPERIENCE

Teaching Experience: 20years
Research Experience:5
Total: 25 years

INSTITUTION/DEPARTMENT RESPONSIBILITIES

- Part of Departmental NBA Accreditation Team
- Paper valuer/ Paper setter for UG/PG Exams
- Squad committee member.
- Examination coordinator.
- Technical Programs Committee member, Inter-disciplinary research group member.

RESEARCH AREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY

Specialization: MHD
Research Interest: Fluid Mechanics - Heat and Mass Transfer, Fluid Flows, Computational Fluid Dynamics, Bio – mechanics.

ACHIEVEMENTS/ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED

- Presented paper the Onset of Magneto-electrothermoconvection in a Dielectric fluid Saturated Rotating Porous Medium in the Presence of Magnetic field, National Conference on Applied Sciences Synergising the Engineering and Technology (ASSET-2021), Organized by the Department of Basic Science, East Point College of Engineering and Technology, Bengaluru held during 18th - 19th, January 2021.

- Presented the Onset of Electrothermoconvection in a Dielectric fluid Saturated Porous Medium in the Presence of Magnetic field and temperature modulation, International Conference on Recent Trends in Applied and Computational Mathematics, Organized by the Department of mathematics, Reva University, Bengaluru held during 4th - 5th, December 2020.
- Presented research paper on the combined effects of electric modulation, uniform temperature and magnetic fields on the onset of Magnetoelectroconvection in a dielectric fluid saturated porous layer, International Conference on Fluid Dynamics and its Applications, Organized by the Department of mathematics, BNM Institute of Technology, Bengaluru held during 12th -14th, July 2017.
- Combined Effects of Thermal Modulation, Uniform Electric & Magnetic Fields on the Onset of Magnetoelectroconvection in a Dielectric Fluid Saturated Porous Medium, National Conference on Mathematics and its Applications, organized by the Department of mathematics, Adichunchanagiri Institute of Technology, Chikkamagaluru held during 22nd-23rd, December 2015.
- Program co-organising chair for organising National Conference on Applied Sciences Synergising the Engineering and Technology (ASSET-2021)

PUBLICATIONS/PATENTS/BOOKS	ASSOCIATION WITH PROFESSIONAL BODIES
<ul style="list-style-type: none"> • Effect of Thermal modulation on the Onset of Magnetoelectrothermoconvection in a Dielectric Fluid Saturated Porous Medium in the presence of Uniform Electric field & Magnetic Field, International Journal of Special Topics and Reviews in porous Media.9(2),133-144(2018). • Effects of Thermal modulation and rotation on the Onset of Magnetoelectrothermoconvection in a dielectric fluid saturated porous medium, International Research Journal of Bulletin of mathematics and Statistics Research. 6(4), 18-34, ISSN: 2348-0580(2018). • Mathematical Analysis of Reactive Transport with Physical and Chemical Heterogeneity, Dissipation Coefficient and Sorption, National Journal of Scientific Research in Science and Technology, 8(2), 128-137, ISSN: 2395-6011 (2021). 	

PROFESSIONAL COURSES COMPLETED

- Completed NPTEL Course on Mathematical Methods and its Applications (12Weeks) on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020.