

Dr. HARE KRISHNA GOPAL CHINTALAPATI



Designation: Associate Professor (Mathematics)

Date of birth: 01-08-1966

Date of joining: 07-07-1997

Total experience: 24 years

Other experience: 6 years

Research experience: 16 years

Research interests: Differential Equations, Fluid Dynamics

Qualifications:

Ph.D in Mathematics from ACHARYA NAGARJUNA UNIVERSITY, Guntur, A.P, India

M.Phil in Applied Mathematics from UNIVERSITY OF HYDERABAD, Hyderabad, A.P, India.

M.Sc in Applied Mathematics from ANDHRA UNIVERSITY, Visakhapatnam, A.P, India.

B.Sc (Mathematics,Physics,Chemistry) from ACHARYA NAGARJUNA UNIVERSITY. Guntur, A.P, India.

**Contribution to institution: Worked as member of internal examinations.
Working as Convener of Music Club since 2008.**

Title of Ph.D thesis: SOME MHD FLOWS THROUGH A POROUS MEDIUM IN PLANAR CHANNELS

Research links:

1. **Orcid Id:** <https://orcid.org/0000-0002-5857-3915>
2. **Google Scholar:** <https://scholar.google.com/citations?user=j7XODLwAAAAJ>
3. Web of Science: <https://publons.com/researcher/4125884/hare-krishna-gopal-chintalapati/>
4. Vidwan: <https://vidwan.inflibnet.ac.in/profile/199028>

Research Publications:

1. **MHD Rotating flow of Nano fluid over a semi infinite vertical moving plate with constant heat source in journal of Shanghai Jiaotong University,ISSN:1007-1172,Volume 16,Issue 8,August 2020, PP: 853-876.**
2. Effect of thermo diffusion on hydro magnetic mixed convective non - Darcy flow in a vertical channel in the presence of temperature gradient dependent heat source", IOSR Journal of applied Physics, Vol. 9, Issue-5, e-ISSN: 2278-4861, September - October 2017.
3. Heat transfer on MHD flow of visco-elastic fluid through a rotating porous channel with Hall Effect", International Journal Engineering Research and Application, Vol. 7, Issue 10, pp. 24-33, ISSN: 2248-9622,October 2017.
4. Heat and mass Transfer on visco-elastic fluid through a porous medium past an infinite oscillating plate with Hall effects', Journal of Computer & Mathematical Sciences, Vol. 8(9), pp. 467-481, ISSN: 2319-8133, September 2017.
5. Effect of Hall Currents, Thermal Radiation, Thermo Diffusion on mixed Convective heat and mass Transfer Flow of a Chemically Reacting fluid in a Vertical Channel with Stretching Walls in the Presence of Non-uniform heat sources" International Journal for Research and Development in Technology, Vol.8, Issue 1, ISSN (O): 2349-3585, June 2017.
6. Effect of Chemical reaction, radiation and radiation absorption on the unsteady convective heat and mass transfer flow of a viscous fluid in a vertical wavy channel with oscillatory flux and heat sources", Advances in Applied Science Research 2016,7(3):127-141,ISSN:0976-8610 - April 2016.

7. Effect of Maxwell fluid on unsteady hydro magnetic flow through a porous medium in a rotating parallel plate channel", Extensive Journal of Applied Sciences, 2015 - 3 - 5 , pp:182 - 193, ISSN 2409 - 9511, August 2015.

8. Unsteady Hydro magnetic flow of an incompressible electrically conducting Maxwell fluid through a porous medium in a rotating parallel plate channel", International Journal of Advances in Science and Technology, ISSN 2229, 5216, Vol.7, No.2, PP: 97, 107, August 2013.

9. Steady MHD mixed convection flow through a porous medium in a micro channel", International Journal of Engineering research and industrial applications, ISSN 0974, 1518, Vol.5, No.1, PP: 271, 288, February 2012.

10. Finite difference analysis on Hall current effects on steady MHD free convection flow through a porous medium along a vertical wall", International Journal of Computational Science and Mathematics, ISSN 0974 - 3189, Vol.4, No.1, PP: 29 - 47, February 2012.

Conference Presentations:

1. Effect of Maxwell fluid on unsteady hydrodynamic flow through a porous medium in a rotating parallel plate channel", in National conference on Recent developments in applications of Mathematics in Science and Engineering held on 10 ♦ 11 January 2015 at Department of Humanities and Sciences, Annamaacharya Institute of Technology and Sciences, Rajampet, A.P.

2. Unsteady Hydro magnetic Flow of an Incompressible Electrically Conducting Maxwell Fluid through a porous medium in a Rotating Parallel Plate Channel", II International Conference on Applications of Fluid Dynamics Organized by Department of Mathematics, S. V. University, Tirupathi, during 21st - 23rd July, 2014.

Workshops/Short term Courses/Conferences Participated:

1. AICTE two week FDP on "Innovations on Renewable energy harvesting and environment friendly process technologies for sustainable development" organized by

Department of Chemical Engineering, R.V.R. & J.C. College of Engineering, Guntur, during 23-10-2017 to 04-11-2017.

2. Two-week workshop on English communication by Andhra Pradesh Higher Education and British Council in two slots between 10th -14th and 24th -28th July 2017.

3. Two day National Seminar on "Ethics and human values in Engineering" organised by Department of Mechanical Engineering, R.V.R.&J.C College of Engineering, during 05-06 January, 2017.

4. Two day National Seminar on "March to Make in India through Engineering Advancements" organized by Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur, during 29 - 30 September 2016.

5. National conference on "Recent developments in applications of Mathematics in Science and Engineering" held on 10 - 11 January 2015 at Department of Humanities and Sciences, Annamaacharya Institute of Technology and Sciences, Rajampet, A.P.

6. Attended 2 day workshop on "Computational Mechanics" organised by Departments of Civil and Mechanical Engineering, RVR&JC College of Engineering, Chowdavaram during 15 - 16 July, 2014.

7. Attended AICTE Sponsored 2 day National workshop on "Nanotechnology - A fuel for Chemical Industry" - 20 - 21 September 2013 organised by Department of Chemical Engineering, RVR&JC College of Engineering, Chowdavaram.

8. Attended D S T Sponsored National seminar on "Futuristic trends of Nano composites and their fabrication" - 06 - 07 September 2013 conducted by Department of Mechanical Engineering, RVR&JC College of Engineering, Chowdavaram.

9. Attended UGC sponsored National seminar on "Solar energy harvesting through photovoltaic cells and storage" - 21 - 22 June 2013 conducted by Departments of Physics and Chemical Engineering, RVR&JC College of Engineering, Chowdavaram.

10. Staff development programme on Mathematical Applications in Real World Problems organized by Department of Mathematics, S.V. National Institute of Technology, Surat, Gujarat during December 14 -18 , 2009.

11. Workshop on Recent Trends in Mathematics and its Application in Engineers organized by the Freshman Engineering Department, Koneru Lakshmaiah College of Engineering, Guntur on 17th September 2005.

12. Workshop on Lattice Theory organized by department of Mathematics, Bapatla Engineering College, Bapatla on 25th July 2004.

13. UGC Sponsored Orientation Programme conducted by Academic Staff College, Sri Venkateswara University, Tirupathi during 12-18 July 2000.

14. AICTE induction training programme conducted by Academic Staff College, Aligarh Muslim University, Aligarh during 08-28 May 1998.

Contact Details:

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