**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**



NAME:**Dr.K.JANARDHAN**

DATE OF BIRTH:**22/06/1981**

DESIGNATION: **Assistant Professor in mathematics**

DEPARTMENT: **Humanities and Sciences**

EMAIL ID: **kjd@aitsrajampet.ac.in**

DATE OF JOINING: **31/07/2015**

EMPLOYEE ID: **AITS991008**

## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| **PhD** | **S.V.University, Tirupati.** | **2013** |
| **SET** | **State Eligibility Test** | **2012** |
| **M.Phil** | **S.V.University, Tirupati.** | **2009** |
| **M.Sc** | **S.V.University, Tirupati.** | **2005** |
| **B.Sc** | **S.V.University, Tirupati.** | **2001** |

**Research Details**

1. Areas of Specialization: Fluid Dynamics
2. List of Publications: 21
3. Awards Received : 01
4. Research Guidance:
5. No. of PhD Guided: 01
6. No. of M.Tech Guided: Nil
7. No. of B.Tech Guided: Nil
8. Details of Professional Membership:
9. Subjects Taught:

## Publication Details

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| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| Hall Current Effects on Unsteady MHD Flow between a Stretching Sheet and an Oscillating porous Upper Parallel Plate with Constant Suction | International Journal of Scientific computing | 2009 |
| Free Convictive Flow of Conducting fluid Through a Porous Medium Bounded by an Oscillating Porous Plate in Slip Flow Regime | Acta Ciencia Indica | 2011 |
| Thermal Radiation Effects on MHD Convective Flow Over an Inclined Porous Plate Embedded in a Porous Medium With Temperature Dependent Heat Source/ sink | International Journal of Applied Mathematics | 2012 |
| Hall Current Effects on MHD Natural Convection Flow of Viscous Incompressible Fluid Past an Flow of viscous Incompressible fluid Past an Inclined Flat Plate in a Porous Medium | i-manager’s Journal on Mathematics, | 2012 |
| Thermophoresis Effect on mixed convection flow from a Rotating Porous Cone Embedded in a Non-Darcy Porous Medium with Thermal Radiation | International Journal Of Engineering Sciences And Research Technology | 2015 |
| Melting Effect On Non-Linear Convective Flow Over A Vertical Plate in a Rotating System in a Porous Medium | International Journal Of Scientific And Innovative Mathematical Research | 2015 |
| Free Convective Heat Transfer Radiative Flow Past an Impulsively Started Vertical Moving Plate With Uniform Heat and Mass Flux | International Journal of Research & Development Organization | 2016 |
| Soret and Dufour Effects on MHD Casson Fluid Over A Vertical Plate in Presence of Chemical Reaction and Radiation | International Journal of Current Research and Review | 2017 |
| Heat Transfer Effect on an Oscillatory Flow of Jeffrey Fluid Through A Porous Medium in A Tube | International Journal of Advanced Scientific Research and Management | 2018 |
| Hall Current Effect on Oscillatory Flow of viscous Conducting Fluid in a Tapered Channel Bounded Above by a permeable Bed. | Proceedings of the 54th Congress of ISTAM (An International Meet) Netaji Subhas Institute of Technology, New Delhi, | 2009 |
| Hall Current Effects on Unsteady Memory Convective Flow through Porous Medium | Proceedings of the 55th Congress of ISTAM (An International Meet) National Institute of technology, Hamirpuri, | 2010 |
| Hall Current Effects on MHD Natural Convection flow of Viscous Incompressible Fluid Past an Inclined Vertical Flat Plate in a porous Medium | Proceding of the National Conference on Applications of Mathematics in Engineering Sciences, Andhra University, Visakhapatnam | 2011 |
| Hall Current Effects on Free Convective Rivilin-Ericksen Flow Through a Porous Medium with Variable Permeability | Proceedings of International Conference on Advance in Mathematical & Computational Methods (AMCM-2011) | 2011 |
| Hall Current Effects on Unsteady MHD Memory Convective Flow Over a Moving Continuous Porous Horizontal Surface | Proceedings of International Conference on Fluid Dynamics and Its Applications, B.N.M.Institute of Technology, | 2011 |
| Unsteady MHD free convective flow of a radiating fluid past an inclined permeable bplate in the presence of heat source | AIP Conference Proceedings 2246, 020086 (2020) | 2015 |
| Unsteady MHD free convective flow of a radiating fluid past an inclined permeable bplate in the presence of heat source | AIP Conference Proceedings 2246, 020086 (2020) | 2020 |
| PARABOLIC MOTION EFFECTS ON CONVECTIVE HEAT AND MASS TRANSFER FLOW OVER A VERTICAL PLATE WITH CROSS DIFFUSION | Advances and Applications in Mathematical Sciences | 2022 |
| EFFECTS OF NANOFLUID ON FREE CONVECTIVE MHD HEAT ABSORBING/GENERATING FLUID WITH VARIABLE TEMPERATURE | European Chemical Bulletin | 2023 |
| Flow Characteristics of MHD Radiative Heat Absorbing/Generating Nanofluid with Variable Temperature | BioGecko | 2023 |
| Impact of Heat and Mass Trnsmission on Flow Past an Exponentially Aecelerated Parabolic Motion Over a Perpendicular Plate with Cross Dispersion | International Conference on Research in Sciences, Engineering and Technology AIP Conf.Proc | 2024 |
| Unstesdy Pulstile Flow of a Jeffrey Fluid Flow Under External Acceleration Between Two Coaxial Cylinders. | Stapsjournal.com | 2025 |

## Patent Details

| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
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