**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**



NAME: Dr. L. Hari Krishna

DATE OF BIRTH: 10.03.1974

 DESIGNATION: Associate Professor

 DEPARTMENT: H&S (Mathematics)

 EMAIL ID: lhkmaths@gmail.com

DATE OF JOINING:10.02.2001

 EMPLOYEE ID: AITS991002

## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| **Ph.D** | **JNTUA, Anantapur** | **2010** |
| **M.Phil** | **M.K.University, Madurai** | **2003** |
| **M.Sc.** | **S.V.University, Tirupati** | **1998** |
| **B.Ed** | **S.K. University, Anantapur** | **1999** |

## Research Details

1. Areas of Specialization: **Fluid Dynamics**
2. List of Publications: **32**
3. Awards Received: **02**
4. Research Guidance:
5. No. of PhD Guided: **02**
6. No. of M.Tech Guided:
7. No. of B.Tech Guided:
8. Details of Professional Membership:
* Member of Editorial board of “IJ-ETA-ETS, IJ-CA-ETS and AES” Journals in Engineering Technology & Sciences, Wadhwan City, Gujarat from 2010. Link: <https://aessangli.in/editorials.html>
* Life member of International Association of Engineers (IAENG -113256).
* Life member of Andhra Pradesh Society for Mathematical Sciences (LM No.1271)
1. Subjects Taught: Mathematics -

 Algebra and Calculus, Mathematical Methods,

 Transform Techniques & Complex Variables,

 Differential Equations and Vector Calculus,

 Probability & Statistics, Mathematics-I,

 Mathematics-II, Mathematics-III,

 Numerical Methods for Partial Differential Equations,

 Computational Methods

## Publication Details

|  |  |  |
| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| Chemical reaction and magneto hydrodynamics effects on heat absorbing fluid past an inclined porous plate | Heat Transfer | 2023 |
| Numerical investigation on Unsteady MHD convective flow of a Casson fluid through a vertical plate filled with uniform porous medium | JP Journal of Heat and Mass Transfer | 2023 |
| Thermal outcomes in Stokes’ 2nd problem for unsteady micropolar fluid go with the flow through a porous medium | Organization Development Journal | 2023 |
| Effects of soret and chemical reaction on a casson fluid through a vertical plate in conducting field with variable boundary | NeuroQuantology | 2022 |
| Heat transfer over a stretching porous surface on a steady MHD fluid flow | International Journal of Ambient Energy | 2022 |
| Aspects of MHD flow in parabolic form under viscous dissipation and chemical reaction | International Journal of Mechanical Engineering | 2020 |
| Pushpabaipavar, L.Hari Krishna and M.Suryanarayana Reddy, “MHD flow of nano fluid past a vertical permeable semi-infinite moving plate with constant heat source | AIP Conference Proceedings | 2020 |
| Hall effects on unsteady Magneto hydrodynamic Convection flow of Nano fluids past a Rotating porous plate | International Journal of Engineering and Advanced Technology | 2019 |
| Hall Effects on MHD Rotating Nano Fluid Over a Moving Flat Plate with Radiation and Chemical Reaction, Advances in Fluid Dynamics | Lecture Notes in Mechanical Engineering | 2018 |

## Patent Details

| **Sno.** | **Title of Patent** | **Submitted/Published/Awarded** |
| --- | --- | --- |
| **1** | **Method for simultaneous scheduling in multimachine flexible manufacturing system to minimize****makespan** | **2022** |