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LIST OF PUBLICATIONS:

1. Prasanthi Modugula and Siva Reddy Sheri (2017) Thermal-diffusion and diffusion-thermo effects on MHD flow through porous medium past an exponentially accelerated inclined plate with variable temperature. ARPN Journal of Engineering and Applied Sciences. VOL. 12, NO. 19, October 2017 ISSN 1819-6608. PP 5518-5526.
2. Prasanthi Modugula and Siva Reddy Sheri (2017) "Heat and mass transfer effects on unsteady MHD flow over an inclined porous plate embedded in porous medium with Soret-Dufour and chemical Reaction", International Journal of Applied and Computational Mathematics, (Springer), Vol. 3, No.2, pp.1289-1306.
3. Prasanthi Modugula, Siva Reddy Sheri and Anjan Kumar Suram (2016). Heat and mass transfer effects on MHD natural convection Flow past an infinite inclined plate with ramped temperature, Journal of the Korean Society for Industrial and Applied Mathematics (Journal of KSIAM) Vol.20, No.4, 355–374.
4. Prasanthi Modugula and Siva Reddy Sheri (2016) Effect of Viscous Dissipation on MHD Free Convection Flow over an Inclined Plate Embedded In a Porous Medium with Heat Absorption, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE),e-ISSN: 2278-1684, p-ISSN : 2320–334X,PP 109-117.
5. Prasanthi Modugula, Gollapalli Shankar, Siva Reddy Sheri, Heat and Mass Transfer Effects on Unsteady MHD Flow a Past an Inclined Plate Embedded in Porous Medium in the Presence of Hall Current and Viscous Dissipation. International Conference on Mathematical Sciences and Applications (ICMSA-2019, AIP Conf. Proc. 2246, 020004-1–020004-11; https://doi.org/10.1063/5.0015572, Published by AIP Publishing. 978-0-7354-2005-2.
6. Prasanthi Modugula, B. Tulasilakshmidevi, Siva Reddy Sheri, Radiation and Chemical Reaction Effects on MHD Flow of Dusty Fluid Over Inclined Porous Plate Embedded in Porous Medium, Solid State Technology, Volume: 63, Issue: 6, pp: 17800- 17814, Publication Year: 2020.
7. Prasanthi Modugula, S. Jayaprasad, Siva Reddy Sheri, D. Mahendar Impact of ThermoDiffusion, Diffusion-Thermo and Hall current on Transient MHD flow past an oscillating vertical plate. PENSEE Journal, pp: 712-727, Volume: 51, ISSUE 4 (2021), ISSN: 0031-4773

CONFERENCE PROCEEDINGS:

1. Prasanthi Modugula and Siva Reddy Sheri Effect of Viscous Dissipation on MHD Free Convection Flow over an Inclined Plate Embedded In a Porous Medium with Heat Absorption, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE),e-ISSN: 2278-1684, p-ISSN : 2320–334X,PP 109-117.

PATENTS:

S. No	Application Number	Title	Status	Date
1	202241038212	Computation of Binary Alloy interfaces under fluid dynamic Boundary conditions	Published	08.07.2022

Conference Papers:

1. Radiation and Chemical Reaction Effects on MHD Flow of Dusty Fluid Over Inclined Porous Plate Embedded in Porous Medium, in international conference on Computational fluid flow and heat transfer (cffht-2018), organized by Department of Mathematics, Osmania University, Hyderabad, 28-29, March,2018.
2. Thermal-diffusion and diffusion-thermo effects on MHD flow through porous medium past an exponentially accelerated inclined plate with variable temperature, in National conference on xxvi congress of Andhra Pradesh society for Mathematical sciences & national conference on recent advances in mathematics, organized by Department of Mathematics, Kakatiya University, Warangal, Telangana State, February 11th -13th Augest, 2017.
3. Effect of Viscous Dissipation on MHD Free Convection Flow over an Inclined Plate Embedded In a Porous Medium with Heat Absorption, in the international conference {i-CAM2k-16} on Recent innovations in Civil and Mechanical engineering jointly organized by Department of Civil & Mechanical Engineering held at CMR Technical Campus, Hyderabad, India during 10th & 11th December 2016.
4. Heat and mass transfer effects on unsteady MHD flow over an inclined porous plate embedded in porous medium with soret-dufour and chemical reaction in National conference on Resent advandes in fluid machanics, organized by Department of Mathematics, Osmania University, Hyderabad, 30-31, May,2016.