

Publications

Dept:MATHEMATICS

Faculty name: JALAJA P

Journal Publications:

INTERNATIONAL JOURNALS :

1. “ **THERMAL RADIATION EFFECT ON MHD NATURAL CONVECTION BOUNDARY LAYER FLOW OVER A PLATE WITH SUCTION (INJECTION) AND VARIABLE VISCOSITY**” , International Journal of Research-GRANTHAALAYAH , A Knowledge Repository ,Vol.5 (Iss.4: RAST), April, 2017, pp. 52~58 by Jalaja. P, Venkataramana.B.S, Naveen.V, Dr. K.R.Jayakumar.
2. “ **The Effect of Viscous Dissipation on MHD nonsimilar Boundary Layer Flow with an Exponentially decreasing Velocity Distribution**” International Journal of Research in Engineering and Applied Sciences (IJREAS), Vol. 7 Issue 6 , June-2017, pp. 121~128, by P.Jalaja, B.S. Venkataramana, K.R.Jayakumar.
3. “ **Modelling and Optimization of Double Choking Ejectors for Refrigeration Systems**” TEST Engineering & Management (**SCOPUS INDEXED JOURNAL**) Volume 82, Publication Issue: January-February 2020, 28 February 2020, Page Number: 14580 – 14586 , ISSN: 0193 – 4120 , by Jalaja.P, and Dr. Shivakumar H.M.
4. “**COMPUTATIONAL ANALYSIS OF MICRO CHANNEL PATH OPTIMIZATION OF HEAT EXCHANGER BASED ON THERMAL BOUNDARY CONCEPT**”. Purakala (UGC Care Journal) Volume -31 , Publication Issue : 04 April 2020 ,Page Number : 868 – 886 , ISSN : 0971-2143 , by Jalaja.P and Dr.Shivakumar H.M.

Conference Papers:

INTERNATIONAL CONFERENCES :

1. “ **The Effect of Thermal Radiation on Laminar Boundary Layer Flow over a Flat Plate with an Exponentially Decreasing Velocity Distribution and an Applied Magnetic Field**” , ISTAM 2016 at VIT, Vellore during Dec.11 – 14, 2016 by Jalaja.P Venkataramana.B.S., Naveen.V, Dr.K.R.Jayakumar and Dr.A.T. Eswara.
2. “**The Effect of Heat generation and Absorption on MHD Laminar Boundary Layer Flow over a Flat Plate with an Exponentially Decreasing Velocity Distribution**” , International conference on

Mathematical Modeling at Don bosco Institute of Technology during Dec.23 – 24 2016 by Jalaja.P , Venkataramana.B.S., Naveen.V, Dr.K.R.Jayakumr.

3. **“MODELLING OF FLOW IN SUPERSONIC EJECTORS FOR DOUBLE CHOKING CRITERIA FOR REFRIGERATION SYSTEMS”**, International Conference on Recent Advances in Applied Sciences 2019 at REVA University, Bangalore during 17th – 18th October 2019 by Jalaja.P,and Dr. Shivakumar H.M.

NATIONAL CONFERENCES :

1. **“ The Effect of Mass Transfer Parameter on Forced Convection Boundary Layer Flow over a Flat Plate with an Applied Magnetic Field”** , National Conference On Scientific, Computational & Information Research Trends in Engineering (NCSCI- 2016), at GSSS Institute of Engineering & Technology for Women, Mysore on 30th JANUARY 2016 by P Jalaja, B S Venkataramana and K R Jayakumar.
2. **“ Thermal Radiation Effect on MHD Forced Convection Boundary Layer Flow over a Plate”** , National Conference on "Advances in Mechanical Engineering and Applied Sciences" (AMEAS-2016) at Dayanda sagar college of Engineering, Bangalore, during February 19th and 20th 2016 by P Jalaja, B S Venkataramana and K R Jayakumar.
3. **“ The Influence of Variable Viscosity on Natural Convection Flow and Heat Transfer from a Porous Vertical Flat Plate with Constant Heat Flux and Suction (Injection)”**, National Conference on Recent Advances in Applied Sciences at AMC College of Engineering, Bangalore on 25th April, 2016 by P Jalaja, B S Venkataramana and K R Jayakumar.
4. **“ The influence of heat generation (absorption) on unsteady mhd forced convection boundary layer flow and heat transfer over a flat plate”** , national conference on convergence of science, technology & management nccstm 2016 at Dayananda Sagar Academy of Technology & Management, Bangalore on 5th May, 2016 by P Jalaja, B S Venkataramana and K R Jayakumar.
5. **“ Thermal Radiation Effect on Unsteady MHD Forced Convection Accelerating Boundary Layer Flow over a Flat Plate”** National conference on An Insight into Analysis and Applications of Mathematics at National College Jayanagar, Bangalore on 24th August 2016 by P Jalaja, ,B S Venkataramana , Naveen.V and K.R.Jayakumar.

6. “ Forced Convective Decelerating Flow over a Plate with an Applied Magnetic field” National Conference on Current Advances in Science and Technology (NCCAST – 2017 at KSIT, BANGALORE during 10th - 12th May 2017 by P Jalaja, B S Venkataramana , Naveen.V and K.R.Jayakumar .

Faculty name: VENKATARAMANA B S

Journal Publications:

INTERNATIONAL JOURNALS :

1. The Effect of Thermal Radiation on MHD Free Convection Boundary Layer Flow over a Plate with Suction and Blowing. International Journal of Scientific & Engineering ISSN 2229-5518, pp.401 – 405, Volume 7, Issue 4 (2016).
2. The influence of heat generation (absorption) and thermal radiation on MHD laminar boundary layer flow over a moving cylindrical rod. International journal of engineering sciences & research technology ISSN: 2277-9655, pp.471 – 475, Volume6, Issue2,(2017).

Conference Papers:

1. The Influence of Heat Generation (Absorption) On Boundary Layer Flow Due To an Exponentially Stretching Sheet with an Applied Magnetic Field. ISTAM 2018, DSCU, Bangalore ,(2018).
2. The Effect of Heat Generation (Absorption) on Laminar Boundary Layer Flow Due To an Exponentially Stretching Sheet with an Applied Magnetic Field. ISTAM 2016, VIT, Vellore, pp-33 ,(2016).
3. Laminar Boundary Layer Flow and Heat Transfer over a moving cylindrical rod with Suction (injection)and an Applied Magnetic Field. International conference on Mathematical Modeling, Don bosco institute of Technology, pp-51, (2016).
4. Nonsimilar Solution of Forced Convection Boundary Layer Flow Over a Flat Plate with an Applied Magnetic Field. National Conference on Applied Science and Humanities, K.S. School of Engineering and Management, Bangalore, pp-13-17,(2015).
5. The Effect of Heat Generation (Absorption) on MHD Forced Convection Boundary Layer Flow over a Flat Plate. National Conference on Mathematics and its applications theme: partial differential equations, Dayananada sagar Univerasity, Bangalore,(2015).
6. Viscous Dissipation Effects on MHD Forced Convection Boundary Layer Flow Over a Plate. NCSCI, GSSS Institute of Engineering & Technology for Women, Mysore, pp-44 – 49,(2016).

7. Unsteady Forced Convection Accelerating Flow over a Plate with an Applied Magnetic Field. National Conference on "Advances in Mechanical Engineering and Applied Sciences" (AMEAS), Dayanda sagar college of Engineering, Bangalore, pp-185-187, (2016).

8. Unsteady MHD Forced Convection Boundary Layer Decelerating Flow and Heat Transfer over a Plate. National Conference on Recent Advances in Applied Sciences, AMC College of Engineering, Bangalore, pp-45, (2016).

9. The effect of thermal radiation on MHD free convection boundary layer flow over a plate with suction and blowing. IDEAS – 2016, Advances in Mechanical Engineering Science, UKF College of Engineering & Technology, Kollam Kerala, pp-1-5,(2016).

10. Unsteady MHD Forced Convection Boundary Layer Flow over a Flat Plate. National Conference on Current Advances in Science and Technology (NCCAST), KSIT, Bangalore, pp 1-4, (2017).

Faculty name: Mr. CHOWDAPPA M R

Conference Papers:

1. Presented a paper “ Nonlinear oberbeck Electroconvection in a poorly conducting couple stress fluid saturated porous channel ” at 61th congress of ISTAM-2016 an International conference held at VIT University, Vellore during 11th to 14th December, 2016.

2. Non linear Oberbeck electro convection in a vertical channel of a couple stress fluid in the presence of electric field. National Conference on Current Advances in Science and Technology (NCCAST), KSIT, Bangalore, pp 6-8, (MAY 10-12, 2017)

Faculty name: Mrs. CHIRANJEEVI B

Journal Publications:

1. “Heat and Mass Transfer Effects on MHD free convective laminar flow over a Moving Vertical Porous Plate with Heat Source and Viscous Dissipation”, Journal of Xi'an University of Architecture & Technology, PP:4318 – 4326, ISSN No : 1006-7930, Volume XII, Issue IV, 2020. [online] <http://xajzkjdx.cn/Vol-12-Issue-4-2020-1/>

2. “Effects of Viscous and Joule Dissipation on MHD Boundary Layer Flow of a Casson Fluid over an Exponentially Stretching Sheet with Thermal Radiation and Heat Source/Sink in the presence of Suction/Blowing”, Journal of Xi'an University of Architecture & Technology, PP: 2302 - 2313, ISSN No : 1006-7930, Volume XII, Issue IV, 2020. [online] <http://xajzkjdx.cn/Vol-12-Issue-5-2020-1/>

Conference Papers:

1. Soret and Dufour effects on MHD boundary layer flow over a moving vertical porous plate with section at National Conference on “ **Recent Advances in Mathematics and its Applications (NCRAMIA-2017)**” Organized by Department of Mathematics, Sri Venkateswara University, Tirupati. 29-08-2017.
2. Thermal Radiation, Chemical Reaction and Viscous Dissipation Effects on MHD free Convection Fluid Flow past a Vertical plate in the presence of Diffusion Thermo at National Conference on “**Mathematics and its Applications(NCMIA – 2019)**” Organized by Department of Mathematics, Sri Venkateswara University, Tirupati, on March 28th and 29th 2019.