



K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

Faculty Name	Dr JALAJA P	
Designation	Associate Professor HEAD, BS&H	
Educational Qualification	M.Sc ,M.Phil ,Ph.D.	
Experience in Years	Teaching: 20 YEARS Industry : - NIL	
Areas of Interest	Fluid Dynamics	
E-mail	jalajap@ksit.edu.in	

Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Sri padmavathi womens college, Tirupathi. S.V.university, Tirupathi	1996
PG	Sri padmavathimahila visva vidyalayam,Ttirupathi	2001
M.phil	M.K.University,Madhurai	2003
PhD	Visvesvaraya Technological University, Belgaum, Karnataka.	2021

Publications

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.

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 .

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.

Awards

1. Received best paper award at GSSS institute of engineering and technology for women, mysore on 30-01-2016 in National conference.
2. Awarded 100 percent results in VTU,PG examinations during December 2017-Jan 2018.
3. Received best paper award at KSIT during may 10th to 12th 2017 in Naciona conference.
4. Awarded 100 percent results in VTU,UG examinations during JUNE-JULY 2018.

Professional Membership

1. ISTAM

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