



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)

Department of Mathematics

List of Journal Publications

| S.No. | Title of paper | Name of the author/s | Name of journal | Link to article/paper/abstract of the article | Is it listed in UGC Care list/Scopus/ Web of Science/other, mention | Academic Year |
|-------|---|--|-----------------------------------|---|---|---------------|
| 1 | Weak nonlinear analysis of nanofluid convection with g-jitter using the Ginzburg-Landau model | PalleKiran, SH Manjula, R Roslan | Open Physics | https://www.scopus.com/reCORD/display.uri?eid=2-s2.0-85145610700&origin=resultslist&sort=plf-f | SCI | 2022-23 |
| 2 | Second law analysis of MHD Carreau fluid flow through a microchannel with thermal radiation | NS Shashikumar, S Sindhu, M Madhu, BJ Gireesha | Waves in Random and Complex Media | https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2060532 | SCOPUS and SCIE | 2022-23 |
| 3 | Time-Periodic Thermal Boundary Effects on Porous Media Saturated with Nanofluids: CGLE Model for Oscillatory Mode | PalleKiran, SH Manjula | Advances in Materials Science | https://www.webofscience.com/wos/woscc/full-record/WOS:000905463800008 | WOS, ESCI | 2022-23 |

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| 4 | Study of Heat and Mass Transfer in a Rotating Nanofluid Layer Under Gravity Modulation | SH. Manjula, P Kiran, SN Gaikwad | Journal of Nanofluids | DOI: https://doi.org/10.1166/jon.2023.1971 | WOS, ESCI | 2022-23 |
| 5 | Irreversibility analysis of the MHD Williamson fluid flow through a microchannel with thermal radiation Irreversibility analysis of the MHD Williamson fluid flow through a channel | M Madhu, NS Shashikumar, K Thriveni, BJ Gireesha, B Mahanthesh | Waves in Random and Complex Media | https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2111473 | SCOPUS and SCIE | 2022-23 |
| 6 | Ginzburg Landau Model for Nanofluid Convection in the Presence of Time Periodic Plate Modulation | S. H. Manjula, G. Kavitha, P Kiran | CFD Letters | DOI: https://doi.org/10.37934/cfdl.15.4.6479 | SCOPUS | 2022-23 |
| 7 | Internal Heat Modulation on Darcy Convection in a Porous Media Saturated by Nanofluid | PalleKiran, SH Manjula | Journal of Nanofluids | DOI: 10.1166/jon.2023.1959 | WOS, ESCI | 2022-23 |
| 8 | Gravitational Modulation Effect on Double-Diffusive Oscillatory Convection in a Viscoelastic Fluid Layer | PalleKiran | Journal of Nanofluids | https://www.webofscience.com/wos/woscc/full-record/WOS:000780255900002 | WOS, ESCI | 2021-22 |
| 9 | Gravity modulation effect on weakly nonlinear thermal convection in a fluid layer bounded by rigid boundaries | P. Kiran | Int J of Nonlinear Sciences and Numerical Simulation | https://www.scopus.com/record/display.uri?eid=2-s2.0-85120755982&origin=resultslist&sort=plf-f | SCI | 2021-22 |

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| 10 | Effects of Throughflow and Gravity Modulation on Thermal Convection in a Couple Stress Fluid Saturated Porous Layer | SN Gaikwad, P Bhushan, P Kiran | CFD Letters | https://www.scopus.com/recording/display.uri?eid=2-s2.0-85134540620&origin=resultslist&sort=plf-f | SCOPUS | 2021-22 |
| 11 | Impact of Thermal Radiation on MHD Squeezing Flow of a Casson Fluid between Collateral Plates | MeenakshiVadithya, KishanNaikoti, MadhuMacha | Discontinuity, Nonlinearity, and Complexity | https://www.lhscientificpublishing.com/journals/articles/DOI-10.5890-DNC.2022.06.015.aspx | SCOPUS | 2021-22 |
| 12 | Heat and mass transfer effects on MHD mixed convection flow of viscoelastic fluid with constant viscosity and thermal conductivity | Dr K Sharada | Heat Transfer | https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.22349 | SCOPUS | 2021-22 |
| 13 | Product of M-Series and Srivastava's Polynomials with generalized fractional integral operators | A. Padma. P Neeraja | Materials Today: Proceedings | https://doi.org/10.1016/j.matpr.2021.06.022 | SCOPUS | 2021-22 |
| 14 | Heat and Mass Transfer solution of MHD Absorbing Convective Flow Past an Exponentially Accelerated Vertical Plate | Murali G Deepa G | Indian Journal of Natural Sciences | https://tnsroindia.org.in/journals.html | WOS | 2021-22 |
| 15 | Continuity Equations in Fluid Dynamics and Bianchi Identities | Smbhati, G Murali, G deepa, Ch Sanjay | Journal of Strad Research | https://doi.org/10.37896/sr8.5/058 | WOS | 2021-22 |
| 16 | Effective Cleaning System management using JSP and Servlet Technology | A Padma & others | IEEE | DOI: 10.1109/ICCES51350.2021.9488925 | SCOPUS | 2021-22 |
| 17 | The Impact Of Chemical Reactions On Trembling Mhd Free Convection Viscous Flow Through An Endless Vertical Accelerated Shield With Heat Absorption And Abiding Heat Flux | G Narsimlu | International Journal of Mechanical Engineering Vol. 6 No. 3, 2021-22 | https://kalaharijournals.com/ijme-v6-3-2021.php | SCOPUS | 2021-22 |

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| 18 | The effect of modulation on heat transport by a weakly nonlinear thermal instability in the presence of applied magnetic field and internal heating | SH Manjula, PalleKiran, G Narsimlu, R Roslan | International Journal of Applied Mechanics and Engineering | https://www.scopus.com/record/display.uri?eid=2-s2.0-85101510852&origin=resultslist&sort=plf-f | SCOPUS | 2020-21 |
| 19 | The time periodic solutal effect on oscillatory convection in an electrically conducting fluid layer | P Kiran, SH Manjula, P Suresh, P Raj Reddy | AIP Conference Proceedings | https://www.scopus.com/record/display.uri?eid=2-s2.0-85095589122&origin=resultslist&sort=plf-f | SCOPUS | 2020-21 |
| 20 | The effect of gravity driven thermal instability in the presence of applied magnetic field and internal heating | SH Manjula, P Kiran, S Narayanamoorthy | AIP Conference Proceedings | https://www.scopus.com/record/display.uri?eid=2-s2.0-85095592347&origin=resultslist&sort=plf-f | SCOPUS | 2020-21 |
| 21 | Finite element solution of mass transfer effects on unsteady hydromagnetic convective flow past a vertical porous plate in a porous medium with heat source | G.Narsimlu | Journal of Mathematical and Computational Science | http://scik.org/index.php/jmcs/article/view/6098 | SCOPUS | 2020-21 |
| 22 | The Effect of Thermal Modulation on Double Diffusive Convection the presence of applied Magnetic Field and Internal Heat Source | Manjula, P Suresh, M GaneshwarRao | Int. J. of Applied Mechanics and Engineering Mechanics | https://www.scopus.com/record/display.uri?eid=2-s2.0-85101509607&origin=resultslist&sort=plf-f | SCOPUS | 2020-21 |
| 23 | Unique Common Tripled Fixed Point for Three Mappings in Gb-metric Spaces | K. Kumara Swamy, Swatmaram, BipanHazarika, P. SumatiKumari | Mathematics and Statistics | DOI: 10.13189/ms.2021.090524 | SCOPUS | 2020-21 |
| 24 | The Marichev-Saigo-Maeda Fractional Calculus Operators Pertaining to the -VFunction | A.Padma | Hindawi | https://doi.org/10.1155/2021/9961013 | SCOPUS | 2020-21 |
| 25 | Difficulties of online Education | Dr. Mamta Thakur | Journal of Huazhong University of Science and Technology | https://www.scopus.com/sourcid/37099 | SCOPUS | 2020-21 |

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| 26 | Statistical Analysis of Agricultural Performance in Different Crops by using Sampling Techniques | B R Sreedhar, K Muthalappa, K Pushpanjali, | Advances and Applications in Statistics 66 (1), 1-11 2020-21 | https://www.webofscience.com/wos/woscc/full-record/WOS:000614273300001 | WOS | 2020-21 |
| 27 | Concentration Modulation Effect on Weakly Nonlinear Thermal Instability in a Rotating Porous Medium | P. Kiran | Journal of Applied Fluid Mechanics | https://www.scopus.com/record/display.uri?eid=2-s2.0-85086599370&origin=resultslist&sort=plf-f | SCOPUS/SCIE | 2019-20 |
| 28 | The complex Ginzburg Landau model for an oscillatory convection in a rotating fluid layer | SH Manjula, P Kiran, PR Reddy, BS Bhadauria | International Journal of Applied Mechanics and Engineering | https://www.scopus.com/record/display.uri?eid=2-s2.0-85082674067&origin=resultslist&sort=plf-f | SCOPUS | 2019-20 |
| 29 | The effect of throughflow on weakly nonlinear convection in a viscoelastic saturated porous medium | PalleKiran, BS, Bhadauria, R. Roslon | Journal of Nanofluids | https://www.webofscience.com/wos/woscc/full-record/WOS:000544091200004 | SCOPUS/WOS | 2019-20 |
| 30 | Common fixed point for two of sequences of Occasionally weakly compatible self-maps | Swatmaram, T. Phaneendra | Journal of Xi'an University of Architecture & technology | https://www.scopus.com/sourceid/37099 | SCOPUS | 2019-20 |
| 31 | Numerical Study Of Heat And Mass Transfer On Mhd Flow Past A Parabolic Started Vertical Plate With Variable Temperature, Mass Diffusion And Chemical Reaction In The Presence of Viscous Dissipation, | G Narsimlu, | Journal of Adv Research in Dynamical & Control Systems | https://www.scopus.com/record/display.uri?eid=2-s2.0-85065016438&origin=resultslist&sort=plf-f | SCOPUS | 2018-19 |
| 32 | Solution of an unsteady flow through porous media past on moving vertical plate with variable temperature and heat source in the presence of inclined | G.Narsimlu | ARNP Journal of Engineering and Applied Sciences | https://www.scopus.com/record/display.uri?eid=2-s2.0-85055938283&origin=resultslist&sort=plf-f | SCOPUS | 2018-19 |

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| | magnetic field in the presence of viscous dissipation | | | | | |
| 33 | Numerical study of heat and mass transfer on MHD flow past a parabolic started vertical plate with variable temperature, mass diffusion and chemical reaction in the presence of viscous dissipation | G.Narsimlu, Shankar Goud B | Journal of Advanced Research in Dynamical and Control Systems | https://www.scopus.com/record/display.uri?eid=2-s2.0-85065016438&origin=resultslist&sort=plf-f | <i>SCOPUS</i> | 2018-19 |