



Dr. M.Gnaneswara Reddy

Curriculum Vitae

Dr.M.Gnaneswara Reddy

Associate Professor

Department of Mathematics

Acharya Nagarjuna University

Nagarjuna Nagar-522 510, India

Website: anu.ac.in

Mob: +91 - 9490636769

E-Mail: mgrmaths@gmail.com

Educational Qualifications

Year	Degree	Percentage
2009	Ph.D. (Mathematics: Fluid Mechanics) Sri Venkateswara University, Tirupati Thesis Title: <i>Heat and Mass Transfer Effects on Magnetohydrodynamic Convective Flows</i>	NA
2004	M.Sc. (Mathematics) Sri Venkateswara University, Tirupati	84.1 %
2002	B.Sc.(M.S.Cs.) Sri Venkateswara University, Tirupati	87.4 %
1999	M.P.C. , Board of Intermediate Education, Andhra Pradesh	80.7 %
1997	S.S.C. Board of Secondary Education, Andhra Pradesh	75.2 %

Professional Experience

Nov 2021 – as on date	Associate Professor, Department of Mathematics, Acharya Nagarjuna University.
Nov 2009 – Nov 2021	Assistant Professor, Department of Mathematics, Acharya Nagarjuna University

Awards, Honors and Recognitions

2023	Certificate of Merit of Best Publication in 46 th Foundation Day, Acharya Nagarjuna University.
2020	Mentor for UGC-Dr. D. S. Kothari Post Doctoral Fellow (DSKPDF), New Delhi.

- 2020- Identified as one of Top 2% World Scientists in Mechanical Engineering for the
 2023 Years 2020, 2021, 2022, and 2023 Stanford University, USA.
 2004 Sri Gurramkonda Venkataswamy Naidu Prize for Securing First Rank in M.Sc.
 Mathematics from S.V. University, Tirupati, during the academic year 2002-2004.

Specialization

Fluid Mechanics

Doctoral Students Supervision Completed

- 2023 S.V.V Rama Devi
A study on parametric analysis and properties in MHD of nanofluids on different stretching sheets under heat transfer and radiation
- 2020 Magnati V V N L Sudha Rani
Numerical Exploration of Heat Transfer on Hydromagnetic Particle Suspension Flows
- 2019 J. Manujula
Numerical Scrutinization of Mass Transfer on Hydromagnetic Radiative Flows
- 2018 Mudda Ramesh
Magnetohydrodynamic flow of micropolar fluids with viscous dissipation and radiation effects
- 2018 P. Padma
Computational Analysis of Hydromagnetic Heat Transfer Flows Over A stretching Sheet/Cylinder
- 2018 P. Srinivasa Sai
A Study on flow and Heat Transfer of a nanofluid under the effects of radiation and chemical reaction
- 2017 K. Venugopal Reddy
Heat transfer analysis on hydromagnetic peristaltic flows

Masters Students Supervision Completed

- 2019 K. Swetha Latha
Scrutinization of cattaneo – christov heat flux on radiative carbon nanotubes filled a darcy – forchheimer porous medium
- 2019 Shabeena Begum
Heat transfer on hydromagnetic nanofluid flow past a stretching sheet / cylinder
- 2018 P. Vijaya Kumari
Heat and mass transfer effects on MHD casson fluid flow over a cylinder/ cone with convective conditions

Administrative Positions

- 2023 Controller of Examinations, Andhra Kesari University, Andhra Pradesh.
- 2023 Head of the Department, Mathematics, Andhra Kesari University, A.P.
- 2023 Chairman, P.G. B.O.S, Department of Mathematics, Andhra Kesari University.
- 2021 Administrative Officer, Rajiv Gandhi University of Knowledge Technologies (RGUKT), Ongole.
- 2020 Asst. Co-Ordinator, Tepp Outreach Cum Cluster Innovation Centre (TOCIC), Acharya Nagarjuna University, Guntur.

Research Projects

- 2023-2026 SUR/2022/001533, dated: 08.05.2023
Streamline and Heatline visualization on Electro-magnetohydrodynamic (EMHD) flow of ternary hybrid nanoparticles
Rs. 25,95,000/-
Funded by Science & Engineering Research Board (SERB), New Delhi, Govt. of India.
- 2023-2025 ANU/CIIPR/Project Proposals/Sanction of Finance Assistance/2023 dated: 26.05.2023
Mathematical Modeling and Numerical Simulation on Electro-magnetohydrodynamic (EMHD) flow of Ternary Hybrid nanofluid in a Microchannel
Rs. 2,00,000/-
Funded by Acharya Nagarjuna University, Guntur.

Publications in Refereed Journals

1. K. Bhagya Swetha Latha, **M Gnaneswara Reddy**, D Tripathi O Anwar Bég, S Kuharat, Hijaz Ahmad, Dilber Uzun Ozsahin, Sameh Askar (2023), Computation of stagnation coating flow of electro-conductive ternary Williamson hybrid, Journal of Scientific reports (Nature Publishing Group, UK), 13, 10972 (I.F.4.6)
<https://www.nature.com/articles/s41598-023-37197-8>
2. SA. Shehzad, **M. Gnaneswara Reddy**, A Rauf, T Mushtaq, FM Abbasi (2023), Magnetohydrodynamic squeezing micropolar nanofluid flow confined in parallel disks with implication of Maxwell-Cattaneo law, journal of Physica Scripta (IOP Publishing), 98, (6), 065201 (I.F. 2.9)
<https://iopscience.iop.org/article/10.1088/1402-4896/acce7b/meta>
3. **M. Gnaneswara Reddy**, D Tripathi, O Anwar Bég (2023), Analysis of dissipative non-Newtonian magnetic polymer flow from a curved stretching surface with slip and radiative effects, Journal of Heat Transfer (Wiley), 52, 2694-2714
<https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.22801>

4. K. Venugopal Reddy, **M. Gnaneswara Reddy**, G Rami Reddy, OD Makinde (2023), Analysis of Joule Heating and Chemical Reaction Effects in Electroosmosis Peristaltic Transport of Couple-Stress Micropolar and Nanofluids, *Journal of Nanofluids* (American Scientific Publishers), 12 (3), 796-808.
<https://www.ingentaconnect.com/contentone/asp/jon/2023/00000012/00000003/art00019>
5. BH. Babu, PS. Rao, **M. Gnaneswara Reddy**, SVK Varma (2023), Numerical modelling of activation energy and hydromagnetic non-Newtonian fluid particle deposition flow in a rotating disc, *Sage journal (SAGE)*, 237, 108-117 (I.F. 2.4)
<https://journals.sagepub.com/doi/abs/10.1177/09544089211045907>
6. Katta Ramesh, Kanayo K Asogwa, Tosin Oreyeni, **M. Gnaneswara Reddy**, Anjali Verma (2023), EMHD radiative titanium oxide-iron oxide/ethylene glycol hybrid nanofluid flow over an exponentially stretching sheet, *Biomass Conversion and Biorefinery* (Springer), 1-10
<https://link.springer.com/article/10.1007/s13399-023-04033-y>
7. DP. Bhatta, SR. Mishra, JK. Dash, **M. Gnaneswara Reddy** (2023), Squeezing flow analysis of time dependent AA7072 and AA7075 water-based nanofluids through parallel disks with velocity and thermal slip conditions, *Sage journals (SAGE)*, 237, 45-58 (I.F. 6.0)
<https://journals.sagepub.com/doi/abs/10.1177/23977914221082888>
8. B. Hari Babu, PS. Rao, **M. Gnaneswara Reddy**, SVK Varma (2022), Non-linear radiation and dissipative impacts on non-Newtonian hydromagnetic Falkner-Skan fluid through a wedge, *Waves in Random and Complex Media* (Taylor & Francis), 1-16
<https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2121448>
9. K. Venugopal Reddy, **M. Gnaneswara Reddy**, Oluwole Daniel Makinde (2022), Analysis of Joule heating and chemical reaction effects in electroosmosis peristaltic transport of couple-stress and micropolar fluids, *Heat Transfer (Wiley)*, 51, 4992-5014
<https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.22533>
10. Sagiraju Veera Venkata Rama Devi, **M. Gnaneswara Reddy** (2022), Analysing the Exponentially Varying Viscosity of Micropolar Carreau Nanofluid Flow with Variable Fluid Properties in Stretching Porous Sheet, *Journal of Nanofluids* (American Scientific Publishers), 11, 754-771
<https://www.ingentaconnect.com/contentone/asp/jon/2022/00000011/00000005/art00011>
11. Mohamed E Nasr, **M. Gnaneswara Reddy**, W Abbas, Ahmed M Megahed, Essam Awwad, Khalil M Khalil (2022), Analysis of non-linear radiation and activation energy analysis on hydromagnetic Reiner–Philippoff fluid flow with Cattaneo–Christov double diffusions, *Mathematics (MDPI)*, 10, 1534 (I.F. 2.4)
<https://www.mdpi.com/2227-7390/10/9/1534>

12. V. Sridhar, K. Ramesh, **M. Gnaneswara Reddy**, Martin N Azese, Sara I Abdelsalam (2022), On the entropy optimization of hemodynamic peristaltic pumping of a nanofluid with geometry effects, *Waves in Random and Complex Media* (Taylor & Francis), 1-21.
<https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2061747>
13. V Puneeth, S Manjunatha, K Ganesh Kumar, **M. Gnaneswara Reddy** (2022), Perspective of multiple slips on 3D flow of $Al_2O_3-TiO_2-CuO/H_2O$ ternary nanofluid past an extending surface due to non-linear thermal radiation, *Waves in Random and Complex Media* (Taylor & Francis), 1-19.
<https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2041766>
14. **M. Gnaneswara Reddy**, MR Krishnamurthy, MM Praveena, Lal Sing Naik, DG Prakasha, K Ganesh Kumar (2022), Unsteady absorption flow and dissipation heat transfer over a non-Newtonian fluid, *Waves in Random and Complex Media* (Taylor & Francis), 1-15.
<https://www.tandfonline.com/doi/abs/10.1080/17455030.2022.2039418>
15. Sagiraju Veera Venkata Rama Devi, **M. Gnaneswara Reddy** (2022), Parametric analysis of MHD flow of nanofluid in stretching sheet under chemical sensitivity and thermal radiation, *Heat Transfer* (Wiley), 51, 948-975.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.22337>
16. **M. Gnaneswara Reddy**, MVVNL Sudharani, MM Praveena, K. Ganesh Kumar (2021) Effect of thermal conductivity on Blasius-Rayleigh-Stokes flow and heat transfer over a moving plate by considering magnetic dipole moment, *The European Physical Journal Plus* (Springer), 137, 29
<https://link.springer.com/article/10.1140/epjp/s13360-021-02259-1>
17. **M. Gnaneswara Reddy**, MVVNL Sudha Rani, MM Praveen, K. Ganesh Kumar (2021), Comparative study of different non-Newtonian fluid over an elaborated sheet in the view of dual stratified flow and ohmic heat, *Chemical Physics Letters* (Elsevier), 784, 139096. **(I.F. 2.4)**
<https://www.sciencedirect.com/science/article/abs/pii/S000926142100779X>
18. **M. Gnaneswara Reddy**, MM. Praveena, NG. Rudraswamy, Ganesh K Kumar (2021), Impact of Cattaneo-Christov heat flux on hydromagnetic flow of non-Newtonian fluids filled with Darcy-Forchheimer porous medium, *Waves in Random and Complex Media* (Taylor & Francis), 1-18.
<https://www.tandfonline.com/doi/abs/10.1080/17455030.2021.1957178>
19. Ahmed M Megahed, **M. Gnaneswara Reddy**, W. Abbas (2021), Modeling of MHD fluid flow over an unsteady stretching sheet with thermal radiation, variable fluid properties and heat flux, *Mathematics and Computers in Simulation* (Elsevier), 185, 583-593 **(I.F. 4.6)**
<https://www.sciencedirect.com/science/article/abs/pii/S0378475421000124>
20. Nourhan I Ghoneim, **M. Gnaneswara Reddy**, Ahmed M Megahed (2021) Numerical solution for natural convection fluid flow along a vertical cone with variable diffusivity and wall heat and mass fluxes embedded in a porous medium, *International Journal of Modern Physics C* (World Scientific Publishing Company), 32, 2150074.

- <https://www.worldscientific.com/doi/abs/10.1142/S0129183121500741>
21. K. Ramesh, **M. Gnaneswara Reddy** and B. Souayeh (2021), Electro-magneto-hydrodynamic flow of couple stress nanofluids in micro-peristaltic channel with slip and convective conditions, *Applied Mathematics and Mechanics* (Springer), 42, 593–606 (**I.F. 4.4**)
<https://link.springer.com/article/10.1007/s10483-021-2727-8>
22. Kottakkaran Sooppy Nisar, R. Mohapatra, S.R. Mishra, **M. Gnaneswara Reddy** (2021), Semi-analytical solution of MHD free convective Jeffrey fluid flow in the presence of heat source and chemical reaction, *Ain Shams Engineering Journal* (Elsevier), 12, 837-845 (**I.F. 6.0**)
<https://www.sciencedirect.com/science/article/pii/S2090447920301866>
23. **M Gnaneswara Reddy**, RJ Punith Gowda, R Naveen Kumar, BC Prasannakumara K Ganesh Kumar (2021), Analysis of modified Fourier law and melting heat transfer in a flow involving carbon nanotubes, Part E: *Journal of Process Mechanical Engineering* (SAGE), 235(5)1259-1268 (**I.F. 2.4**)
<https://journals.sagepub.com/doi/abs/10.1177/09544089211001353>
24. **M. Gnaneswara Reddy** and K. Ganesh Kumar (2021), Cattaneo-Christov heat flux feature on carbon nanotubes filled with micropolar liquid over a melting surface: A stream line study, *International Communications in Heat and Mass Transfer* (Elsevier), 122, 1105142 (**I.F. 7.0**)
<https://www.sciencedirect.com/science/article/abs/pii/S0735193321000361>
25. **M Gnaneswara Reddy**, and M Ferdows (2021), Species and thermal radiation on micropolar hydromagnetic dusty fluid flow across a paraboloid revolution, *Journal of Thermal Analysis and Calorimetry* (Springer), 143, 3699–3717 (**I.F. 4.626**)
<https://link.springer.com/article/10.1007/s10973-020-09254-1>
26. **M Gnaneswara Reddy**, Naveen Kumar, BC Prasannakumara, NG Rudraswamy, K Ganesh Kumar (2021), Magnetohydrodynamic flow and heat transfer of a hybrid nanofluid over a rotating disk by considering Arrhenius energy, *Communications in Theoretical Physics* (IOP), 73, 045002 (**I.F. 1.968**)
<https://iopscience.iop.org/article/10.1088/1572-9494/abdaa5>
27. D Tripathi, J Prakash, **M Gnaneswara Reddy**, JC Misra (2021), Numerical simulation of double diffusive convection and electroosmosis during peristaltic transport of a micropolar, nanofluid on an asymmetric microchannel *Journal of Thermal Analysis and Calorimetry* (Springer), 141, 829–838 (**I.F. 4.626**)
<https://link.springer.com/article/10.1007/s10973-020-10214-y>
28. Ahmed M Megahed, and **M Gnaneswara Reddy** (2021), Numerical treatment for MHD viscoelastic fluid flow with variable fluid properties and viscous dissipation, *Indian Journal of Physics* (Springer), 95, 673–679 (**I.F. 2.0**)
<https://link.springer.com/article/10.1007/s12648-020-01717-3>
29. K Ganesh Kumar, **M Gnaneswara Reddy**, Ali Aldalbahi, M.Gorji, Mostafizur Rahaman (2020), Application of different hybrid nanofluids in convective heat transport of Carreau fluid, *Chaos, Solitons & Fractals* (Elsevier), 141, 110350 (**I.F.7.8**)
<https://www.sciencedirect.com/science/article/abs/pii/S0960077920307451>

30. Dharmendra Tripathi, J Prakash, **M Gnaneswara Reddy**, Rakesh Kumar (2021), Numerical study of electroosmosis-induced alterations in peristaltic pumping of couple stress hybrid nanofluids through microchannel, *Indian Journal of Physics (Springer)*, 95, 2411–2421 (**I.F. 1.947**)
<https://link.springer.com/article/10.1007/s12648-020-01906-0>
31. Kattamreddy Venugopal Reddy, **M. Gnaneswara Reddy**, Oluwole Daniel Makinde (2021), Heat and mass transfer of a peristaltic electro-osmotic flow of a couple stress fluid through an inclined asymmetric channel with effects of thermal radiation and chemical reaction, *Periodica Polytechnic Mechanical Engineering* 65, 151-162 (**I.F. 1.3**) <https://pp.bme.hu/me/article/view/16760>
32. **M. Gnaneswara Reddy**, SA Shehzad (2021), Molybdenum disulfide and magnesium oxide nanoparticle performance on micropolar Cattaneo-Christov heat flux model, *Applied Mathematics and Mechanics (Springer)*, 42, 541-552.
<https://link.springer.com/article/10.1007/s10483-021-2713-9>
33. D. Tripathi, J. Prakash, **M. Gnaneswara Reddy**, JC. Misra (2021), Numerical simulation of double diffusive convection and electroosmosis during peristaltic transport of a micropolar nanofluid on an asymmetric microchannel, *Journal of Thermal Analysis and Calorimetry (Springer International Publishing)*, 143, 2499-2514
<https://link.springer.com/article/10.1007/s10973-020-10214-y>
34. Ahmed M Megahed, Nourhan I Ghoneim, **M. Gnaneswara Reddy**, Mostafa El-Khatib (2021), Magnetohydrodynamic fluid flow due to an unsteady stretching sheet with thermal radiation, porous medium, and variable heat flux, *Journal of Advance in Astronomy (Hindawi Limited)*, Volume 2021, Article ID 6686883, 9 pages (**I.F.1.4**)
<https://www.hindawi.com/journals/aa/2021/6686883/>
35. **M. Gnaneswara Reddy**, P Vijaya Kumari, G Upender Reddy, K Ganesh Kumar, BC Prasannakumara (2020), A mathematical framework on Cattaneo–Christov model over an incessant moving needle, *Journal of Multidiscipline Modeling in Materials and Structures (Purpose)* 17, 167-180.
<https://www.emerald.com/insight/content/doi/10.1108/MMMS-01-2020-0012/full/html>
36. B. Hari Babu, P. Srinivasa Rao, **M. Gnaneswara Reddy** (2020), Physical aspects and streamline analysis on hydromagnetic nonlinear radiative flow of Carreau-Yasuda fluid, *Physica Scripta (IOP Publishing)*, 96, 025221 (**I.F. 2.9**)
<https://iopscience.iop.org/article/10.1088/1402-4896/abd27e/meta>
37. **M. Gnaneswara Reddy**, MVVNL Sudha Rani, K. Ganesh Kumar, BC. Prasannakumar, HJ. Lokesh (2020), Hybrid dusty fluid flow through a Cattaneo–Christov heat flux model, *Statistical Mechanics and its Applications (North-Holland)*, 551, 123975 (**I.F. 3.3**)
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119322022>
38. **M. Gnaneswara Reddy**, M. Sudharani, K. Ganesh Kumar, AJ. Chamkha, G. Lorenzini (2020), Physical aspects of Darcy–Forchheimer flow and dissipative heat transfer of Reiner–Philippoff fluid, *Journal of Thermal Analysis and Calorimetry (Pringer link)* 141, 829–838 (**I.F. 3.6**)

- <https://link.springer.com/article/10.1007/s10973-019-09072-0>
39. **M. Gnaneswara Reddy**, MS Rani, KG Kumar... - Physica A: Statistical (2020), Cattaneo–Christov heat flux model on Blasius–Rayleigh–Stokes flow through a transitive magnetic field and Joule heating, Statistical Mechanics and its applications (Elsevier) 548, 123991 (**I.F. 3.3**)
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119322101>
40. M. Gnaneswara Reddy, MVVNL. Sudha Rani and K. Ganesh Kumar (2020), An analysis of dusty slip flow through a single-/multi-wall carbon nanotube, Continuum Mechanics and Thermodynamics (Spinger) 32, 971-985 (**I. F. 2.6**)
<https://link.springer.com/article/10.1007/s00161-019-00860-5>
41. N. Ibrar, **M. Gnaneswara Reddy**, S. A. Shehzad, P. Sreenivasulu & T. Poornima (2020) Interaction of single and multi walls carbon nanotubes in magnetized-nano Casson fluid over radiated horizontal needle, SN Applied Science (Springer) 2, 677 (**I.F. 2.6**)
<https://link.springer.com/article/10.1007/s42452-020-2523-8>
42. K. Ganesh Kumar, **M. Gnaneswara Reddy**, S. A. Shehzad and F.M. Abbasi (2020), A least square study on flow and radiative heat transfer of hybrid nanofluid over a moving frame by considering a spherical shape particle, Revista Mexicana de Fisica (Sociedad Mexicana de Fisica) 66, 162-170.
https://www.scielo.org.mx/scielo.php?pid=S0035-001X2020000200162&script=sci_arttext
43. **M. Gnaneswara Reddy**, P Vijayakumari, MVVNL Sudharani, K. Ganesh Kumar (2020), Quadratic convective heat transport of Casson nanoliquid over a contract cylinder: An unsteady case, Bio Nano Science (Springer), 10, 344-350 (**I.F. 3.0**)
<https://link.springer.com/article/10.1007/s12668-019-00697-x>
44. K. Ganesh Kumar, **M. Gnaneswara Reddy**, MVVNL Sudharani, SA Shehzad, Ali J Chamkha (2020), Cattaneo–Christov heat diffusion phenomenon in Reiner–Philippoff fluid through a transverse magnetic field, Statistical Mechanics and its Applications (North-Holland) 541, 123330 (**I.F. 3.3**)
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119318643>
45. SA. Shehzad, **M. Gnaneswara Reddy**, A Rauf and Z Abbas (2020), Bioconvection of Maxwell nanofluid under the influence of double diffusive Cattaneo–Christov theories over isolated rotating disk (IOP Publishing), 95, 045207 (**I. F. 2.9**)
<https://iopscience.iop.org/article/10.1088/1402-4896/ab5ca7/meta>
46. **M Gnaneswara Reddy**, K Ganesh Kumar, and SA Shehzad (2020), A static and dynamic approach of aluminum alloys (AA7072-AA7075) over a semi-infinite heated plate, Physica Scripta (IOP), 95, 045207 (**I.F. 2.487**)
<https://iopscience.iop.org/article/10.1088/1402-4896/abf20/meta>
47. SA Shehzad, **M Gnaneswara Reddy**, P Vijayakumari and Iskander Tlili (2020), Behavior of ferromagnetic Fe₂SO₄ and titanium alloy Ti6Al4v nanoparticles in micropolar fluid flow, International Communications in Heat and Mass Transfer (Elsevier), 117, 104769 (**I.F. 7.0**)
<https://www.sciencedirect.com/science/article/abs/pii/S0735193320302979>

48. **M Gnaneswara Reddy**, MVVNL Sudha Rani, K Ganesh Kumar, BC Prasanna kumar, and HJ Lokesh Hybrid (2020), dusty fluid flow through a Cattaneo–Christov heat flux model, *Physica A: Statistical Mechanics and its Applications* (Elsevier), 551, 123975 (I.F. 3.3)
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119322022>
49. **M Gnaneswara Reddy**, MVVNL Sudharani, K Ganesh Kumar, Ali J Chamkha, G. Lorenzini (2020), Physical aspects of Darcy–Forchheimer flow and dissipative heat transfer of Reiner–Philippoff fluid, *Journal of Thermal Analysis and Calorimetry* (Springer), 141, 829–838 (I.F. 4.4)
<https://link.springer.com/article/10.1007/s10973-019-09072-0>
50. **M Gnaneswara Reddy**, MVVNL Sudha Rani, K Ganesh Kumar, BC Prasannakumar, Ali J Chamkha Cattaneo–Christov (2020), heat flux model on Blasius–Rayleigh–Stokes flow through a transitive magnetic field and Joule heating *Physica A: Statistical Mechanics and its Applications* (Elsevier), 548, 123991 (I.F. 3.3)
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119322101>
51. **M Gnaneswara Reddy**, MVVNL Sudharani, and K Ganesh Kumar (2020), an analysis of dusty slip flow through a single-/multi-wall carbon nanotube, *Continuum Mechanics and Thermodynamics* (Springer), 32, 971–985 (I.F. 3.822)
<https://link.springer.com/article/10.1007/s00161-019-00860-5>
52. **M Gnaneswara Reddy**, P Vijayakumari, MVVNL Sudharani, K Ganesh Kumar (2020), Quadratic convective heat transport of Casson nanoliquid over a contract cylinder: An unsteady case, *BioNanoScience* (Springer), 10, 344–350
<https://link.springer.com/article/10.1007/s12668-019-00697-x>
53. **M Gnaneswara Reddy**, Asiful H Seikh, M. Sudharani, M. Rahimi-Gorji, Nabeel Alharthi (2020), Dusty flow with different water based nanoparticles along a paraboloid revolution: thermal analysis, *Microsystem Technologies* (Springer), 26, 925–945 (I.F. 2.276) link.springer.com/article/10.1007/s00542-019-04609-7
54. K. Ganesh Kumar, **M. Gnaneswara Reddy**, M.V.V.N.L.Sudharani, S.A. Shehzad, Ali J.Chamkha Cattaneo–Christov (2020), heat diffusion phenomenon in Reiner–Philippoff fluid through a transverse magnetic field, *Physica A: Statistical Mechanics and its Applications* (Elsevier), 541, 123330 (I.F. 3.3)
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119318643>
55. K. G. Kumar, M. Rahimi-Gorji, **M. Gnaneswara Reddy**, Ali. J. Chamkha, and M. A. Ibrahim (2020), Enhancement of heat transfer in a convergent/divergent channel by using carbon nanotubes in the presence of a Darcy–Forchheimer medium, *Microsystem Technologies* (Springer), 26, 323–332 (I.F. 2.276)
<https://link.springer.com/article/10.1007/s00542-019-04489-x>
56. S A Shehzad, **M. Gnaneswara Reddy**, A Rauf and Z Abbas (2020), Bioconvection of Maxwell nanofluid under the influence of double diffusive Cattaneo–Christov theories over isolated rotating disk, *Physica Scripta* (IOP), 95, 045207 (I.F. 2.487)
<https://iopscience.iop.org/article/10.1088/1402-4896/ab5ca7/pdf>

57. M Ferdows, **M. Gnaneswara Reddy**, Shuyu Sun, Faris Alzahrani (2019), Two-dimensional gyrotactic microorganisms flow of hydromagnetic power law nanofluid past an elongated sheet, Sage Journals (SAGE Publications) 11, 1687814019881252 (I. F. 2.1)
<https://journals.sagepub.com/doi/full/10.1177/1687814019881252>
58. Basma Souayah, K Ganesh Kumar, **M. Gnaneswara Reddy**, Sudha Rani, Najib Hdhiri, Huda Alfannakh, Mohammad Rahimi-Gorji (2019), Slip flow and radiative heat transfer behavior of Titanium alloy and ferromagnetic nanoparticles along with suspension of dusty fluid, Journal of Molecular Liquids (Elsevier), 290, 111223 (I. F. 6.0)
<https://www.sciencedirect.com/science/article/abs/pii/S0167732219327989>
59. Basma Souayah, **M. Gnaneswara Reddy**, P. Sreenivasulu, TMIM Poornima, Mohammad Rahimi-Gorji, Ibrahim M Alarifi (2019), Comparative analysis on non-linear radiative heat transfer on MHD Casson nanofluid past a thin needle, Journal of Molecular Liquids (Elsevier) 284, 163-174 (I. F. 6.0)
<https://www.sciencedirect.com/science/article/abs/pii/S0167732219306786>
60. K. Venugopal Reddy, **M. Gnaneswara Reddy** and OD Makinde (2019) Thermophoresis and Brownian motion effects on magnetohydrodynamics electro-osmotic Jeffrey nanofluid peristaltic flow in asymmetric rotating microchannel Journal of Nanofluids (American Scientific Publishers) 8, 349-358.
<https://www.ingentaconnect.com/contentone/asp/jon/2019/00000008/00000002/art00010>
61. OD Makinde and **M. Gnaneswara Reddy** (2019), MHD peristaltic slip flow of Casson fluid and heat transfer in channel filled with a porous medium, Scientia Iranica B (Sharif University of Technology) 26, 2342-2355.
https://scientiairanica.sharif.edu/article_20319_f5e7cda776612508d1d4733fed47d2f3.pdf
62. **M. Gnaneswara Reddy** (2019) Chemically reactive species and radiation effects on MHD convective flow past a moving vertical cylinder, Ain Shams Engineering Journal (Elsevier), 4, 879-888 (I.F. 6.0)
<https://www.sciencedirect.com/science/article/pii/S2090447913000439>
63. P. Sreenivasulu, T. Poornima, N. Bhaskar Reddy, **M. Gnaneswara Reddy** (2019), A numerical analysis on UCM dissipated nanofluid imbedded carbon nanotubes influenced by inclined Lorentzian force along with non-uniform heat source/sink, Journal of Nanofluids (American Scientific Publishers), 8, 1076-1084.
<https://www.ingentaconnect.com/contentone/asp/jon/2019/00000008/00000005/art00017>
64. **M. Gnaneswara Reddy** M. Sudha Rani, K. Ganesh Kumar, and Asiful Seikh (2019), Transverse magnetic flow over a Reiner–Philippoff nanofluid by considering solar radiation, Modern Physics Letters B (World Scientific), 33(36),1950449 (I.F.1.668)
<https://www.worldscientific.com/doi/10.1142/S0217984919504499>

65. Basma Souayah, K. Ganesh Kumar, **M. Ganeswara Reddy**, M. SudhaRani, Najib Hdhiri, Alfannakh, M. Gorji (2019), Slip flow and radiative heat transfer behaviour of Titanium alloy and ferromagnetic nanoparticles along with suspension of dusty fluid, *Journal of Molecular Liquids* (Elsevier), 290, 111223, (I.F. 6.165)
<https://www.sciencedirect.com/science/article/abs/pii/S0167732219327989>
66. O.D. Makinde and **M. Ganeswara Reddy** (2019), MHD peristaltic slip flow of casson fluid and heat transfer in channel filled with a porous medium, *Scientia Iranica* (SUT) 26(4), 2342-2355, (I.F. 1.435)
http://scientiainica.sharif.edu/article_20319.html
67. Basma Souayah, **M. Ganeswara Reddy**, P.Sreenivasulu, T.Poornima, M. Gorji, and Ibrahim M. Alarifi (2019), Comparative analysis on non-linear radiative heat transfer on MHD Casson nanofluid past a thin needle, *Journal of Molecular Liquids* (Elsevier), 284, 163-174, (I.F.6.165)
<https://www.sciencedirect.com/science/article/abs/pii/S0167732219306786>
68. **M. Ganeswara Reddy**, P. Padma and M. Sudha Rani (2019), Thermal Radiative Analysis on Hydromagnetic Nanofluid Transport Through a Rotating Cone, *Int. J. Applied and Comp. Mathematics*, (Springer) 5, 69
<https://link.springer.com/article/10.1007/s40819-019-0654-7>
69. **M. Ganeswara Reddy**, K. Ganesh Kumar, S. A. Shehzad, T.Javed, and T. Ambreen (2019), Thermal transportation analysis of nanoliquid squeezed flow past a sensor surface with MCWCNT and SWCNT, *Heat Transfer* (Wiley), 48(6), 2262-2275,
<https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.21483>
70. Hussain Basha, G. Janardhana Reddy and **M. Ganeswara Reddy** (2019), Chemically reactive species of time-dependent natural convection couple stress past an isothermal vertical flat plate, *Canadian Journal of Physics* (NRC), 97(2),1439–1448 (I.F.1.24)
<https://cdnsiencepub.com/doi/10.1139/cjp-2018-0169>
71. K. Venugopal Reddy, O.D.Makinde and **M. Ganeswara Reddy** (2018),Thermal analysis of MHD electro-osmotic peristaltic pumping of Casson fluid through a rotating asymmetric micro-channel, *Indian Journal of Physics* (Springer), 92,1439-1448 (I.F. 1.947) <https://link.springer.com/article/10.1007/s12648-018-1209-1>
72. **M. Ganeswara Reddy** and N. Sandeep (2018), Heat and mass transfer in radiative MHD Carreau fluid with cross diffusion, *Ain Shams Engineering Journal* (Elsevier), 9(4),1189-1204 (I.F. 6.0)
<https://www.sciencedirect.com/science/article/pii/S2090447916300983>
73. BC. Prasannakumara, **M. Ganeswara Reddy**, MVVNL. Sudha Rani, MR. Krishnamurthy (2018), Effect of chemical reaction on maxwell nanofluid slip flow over a stretching sheet, *Internal Journal of Chemical Reactor Engineering* (De Gruyter) 17, 20180065.
<https://www.degruyter.com/document/doi/10.1515/ijcre-2018-0065/html>
74. K. Ramesh, **M. Ganeswara Reddy**, M. Devakar (2018), Biomechanical study of magnetohydrodynamic Prandtl nanofluid in a physiological vessel with thermal radiation and chemical reaction, *Seag Journals* (SAGE) 232, 95-108 (I.F. 6.0)
<https://journals.sagepub.com/doi/full/10.1177/2397791418809788>

75. M. Archana, **M. Gnaneswara Reddy**, BJ. Gireesha, BC. Prasannakumara and SA. Shehzad (2018), Triple diffusive flow of nanofluid with buoyancy forces and nonlinear thermal radiation over a horizontal plate, *Heat Transfer (Wiley)* 47, 957-973.
<https://onlinelibrary.wiley.com/doi/abs/10.1002/htj.21360>
76. Kattamreddy Venugopal Reddy, Oluwole Daniel Makinde, **M. Gnaneswara Reddy** (2018), Thermal analysis of MHD electro-osmotic peristaltic pumping of Casson fluid through a rotating asymmetric micro-channel, *Indian Journal of Physics (Springer India)*, 92, 1439-1448 (I.F. 2.0)
<https://link.springer.com/article/10.1007/s12648-018-1209-1>
77. P Nagasantoshi, GV Reddy, **M. Gnaneswara Reddy**, P Padma, (2018) Heat and mass transfer of Non-Newtonian Nanofluid flow over a stretching sheet with non-uniform heat source and Variable viscosity, *Journal of Nanofluids (American Scientific Publishers)* 7, 821-832.
<https://www.ingentaconnect.com/contentone/asp/jon/2018/00000007/00000005/art00002>
78. BC. Prasannakumara, **M. Gnaneswara Reddy**, GT. Thammanna, BJ. Gireesha (2018), MHD Double-diffusive boundary-layer flow of a Maxwell nanofluid over a bidirectional stretching sheet with Soret and Dufour effects in the presence of radiation, *Journal of Nonlinear Engineering (De Gruyter)* 7, 195-205.
<https://www.degruyter.com/document/doi/10.1515/nleng-2017-0058/html>
79. **M. Gnaneswara Reddy**, P. Vijaya Kumari, P. Padma (2018), Effect of thermal radiation on MHD casson nano fluid over a cylinder, *Journal of Nanofluids (American Scientific Publishers)* 7, 428-438.
<https://www.ingentaconnect.com/contentone/asp/jon/2018/00000007/00000003/art00003>
80. OK. Koriko, IL. Animasaun, **M. Gnaneswara Reddy** and N. Sandeep (2018), Scrutinization of thermal stratification, nonlinear thermal radiation and quartic autocatalytic chemical reaction effects on the flow of three-dimensional Eyring-Powell alumina, *Emerald Insight (Emerald Publishing Limited)*, 14, 261-283.
<https://www.emerald.com/insight/content/doi/10.1108/MMMS-08-2017-0077/full/html>
81. **M. Gnaneswara Reddy**, N. Sandeep, S Saleem and MT. Mustafa (2018) Magnetohydrodynamic bio-convection flow of Oldroyd-B nanofluid past a melting sheet with cross diffusion, *Journal of Computational and Theoretical Nanoscience (American Scientific Publishers)* 15, 1348-1359.
<https://www.ingentaconnect.com/contentone/asp/jctn/2018/00000015/00000004/art00032>
82. **M. Gnaneswara Reddy**, MVVNL Sudha Rani, K. Ganesh Kumar and BC. Prasannakumara (2018), Cattaneo-Christov heat flux and non-uniform heat-source/sink impacts on radiative Oldroyd-B two-phase flow across a cone/wedge, *Journal of the Brazilian Society of Mathematical Science and Engineering (Springer Berlin Heidelberg)* 40, 1-21 (I.F 2.2)
<https://link.springer.com/article/10.1007/s40430-018-1033-8>

83. **M. Gnaneswara Reddy**, MVVNL. Sudha Rani, C. Prasannakumara (2018), Non-linear radiation and chemical reaction impacts on hydromagnetic particle suspension flow in non-Newtonian fluids, *International Journal of Chemical Reactor Engineering (De Gruyter)*, 16, 20180001
<https://www.degruyter.com/document/doi/10.1515/ijcre-2018-0001/html>
84. **M. Gnaneswara Reddy** (2018), Cattaneo-Christov heat flux effect on hydromagnetic radiative Oldroyd-B liquid flow across a cone/wedge in the presence of cross-diffusion, *The European Physical Journals plus (Springer Berlin Heidelberg)*, 133, 1-18 (I.F. 3.4)
<https://link.springer.com/article/10.1140/epjp/i2018-11844-0>
85. **M. Gnaneswara Reddy**, J Manjula, P Padma (2017), Mass transfer flow of MHD radiative tangent hyperbolic fluid over a cylinder: a numerical study, *International Journal of Applied and Computational Mathematics (Springer India)*, 3, 447-472.
<https://link.springer.com/article/10.1007/s40819-017-0364-y>
86. **M. Gnaneswara Reddy**, K. Venugopal Reddy and OD Makinde (2017), Heat Transfer on MHD Peristaltic Rotating Flow of a Jeffrey Fluid in an Asymmetric Channel, *International Journal of Applied and Computational Mathematics (Springer India)* 1-27.
<https://link.springer.com/article/10.1007/s40819-016-0293-1>
87. **M. Gnaneswara Reddy**, G. Reddy (2017), Temperature-Dependent Viscosity and Second Order Slip Flow on MHD Casson Radiative Nanofluid Over Stretching Sheet, *Journal of Nanofluids (American Scientific Publishers)*, 6, 830-839.
<https://www.ingentaconnect.com/contentone/asp/jon/2017/00000006/00000005/art00004>
88. **M. Gnaneswara Reddy** (2017), Velocity and thermal slip effects on MHD third order blood flow in an irregular channel through a porous medium with homogeneous/heterogeneous reactions, *From the Journal Nonlinear Engineering (De Gruyter)*, 6, 167-177.
<https://www.degruyter.com/document/doi/10.1515/nleng-2017-0008/html>
89. **M. Gnaneswara Reddy**, Manjula Jonnadula and Padma Polarapu (2017), Influence of second-order velocity slip and double stratification on MHD 3D Casson nanofluid flow over a stretching sheet, *Journal of Nanofluids (American Scientific Publishers)* 6, 436-446
<https://www.ingentaconnect.com/contentone/asp/jon/2017/00000006/00000003/art00005>
90. **M. Gnaneswara Reddy** and N. Sandeep (2017), Computational modelling and analysis of heat and mass transfer in MHD flow past the upper part of a paraboloid of revolution, *The European Physical Journal Plus (Springer Berlin Heidelberg)*, 132, 1-18, (I. F. 3.4)
<https://link.springer.com/article/10.1140/epjp/i2017-11483-y>
91. M. Archana, BJ. Gireesha, P Venkatesh and **M. Gnaneswara Reddy** (2017), Influence of nonlinear thermal radiation and magnetic field on three-dimensional flow of a Maxwell nanofluid, *Journal of Nanofluids (American Scientific Publishers)* 6, 232-242.

92. **M. Gnaneswara Reddy**, Padma Polarapu and Rama Subba Reddy Gorla (2017), Influence of double stratification on MHD three dimensional Casson nanofluid flow over a stretching sheet: a numerical study, Journal of Nanofluids (American Scientific Publishers) 6, 71-79.
<https://www.ingentaconnect.com/contentone/asp/jon/2017/00000006/00000001/art00008>
93. **M. Gnaneswara Reddy** (2017), Influence of Lorentz force, Cattaneo-Christov heat flux and viscous dissipation on the flow of micropolar fluid past a nonlinear convective stretching vertical surface, From the Nonlinear Engineering (De Gruyter), 6, 317-326
<https://www.degruyter.com/document/doi/10.1515/nleng-2017-0043/html>
94. **M. Gnaneswara Reddy**, BC. Prasanna Kumara and Oluwole Daniel Makinde (2017), Cross diffusion impacts on hydromagnetic radiative peristaltic Carreau-Casson nanofluids flow in an irregular channel, (Trans Tech Publications Ltd), 377, 62-83.
<https://www.scientific.net/DDF.377.62>
95. **M. Gnaneswara Reddy** (2017), Free convective heat and mass transfer of magnetic bio-convective flow caused by a rotating cone and plate in the presence of nonlinear thermal radiation and cross diffusion, Journal of Computational & Applied Research in Mechanical Engineering (Shahid Rajae Teacher Training University) 7, 1-21
https://jcar.me.sru.ac.ir/article_641_0.html
96. O.D. Makinde and **M. Gnaneswara Reddy** (2017), Effects of Thermal Radiation on MHD Peristaltic Motion of Walters-B Fluid with Heat Source and Slip Conditions, Journal of Applied Fluid Mechanics (JAFM Editorial Policy) 5, 7.
<https://www.jafmonline.net/journal/about>
97. **M. Gnaneswara Reddy** and Gorla Rama Subba Reddy (2017), Micropolar fluid flow over a nonlinear stretching convectively heated vertical surface in the presence of Cattaneo-Christov heat flux and viscous dissipation, Frontiers in Heat and Mass Transfer (Thermal Fluids Central) 8, 20.
https://thermalfluidscentral.com/journals/index.php/Heat_Mass_Transfer/article/view/657
98. N. Sandeep and **M. Gnaneswara Reddy** (2017), Heat transfer of nonlinear radiative magnetohydrodynamic Cu-water nanofluid flow over two different geometries, Journal of Molecular Liquids (Elsevier), 225, 87-94 (I.F. 6.0)
<https://www.sciencedirect.com/science/article/abs/pii/S0167732216327520>
99. **M. Gnaneswara Reddy**, K Venugopal Reddy and OD Makinde (2016), Hydromagnetic peristaltic motion of a reacting and radiating couple stress fluid in an inclined asymmetric channel filled with a porous medium, Alexandria Engineering Journal (Elsevier), 55, 1841-1853 (I. F. 6.8)
<https://www.sciencedirect.com/science/article/pii/S1110016816300655>
100. **M. Gnaneswara Reddy** (2016), Heat and mass transfer on magnetohydrodynamic peristaltic flow in a porous medium with partial slip, Alexandria Engineering Journal (Elsevier) 55, 1225-1234 (I.F. 6.8)
<https://www.sciencedirect.com/science/article/pii/S1110016816300643>

101. CSK. Raju, N. Sandeep and **M. Gnaneswara Reddy** (2016), Effect of nonlinear thermal radiation on 3D Jeffrey fluid flow in the presence of homogeneous–heterogeneous reactions, International Journal of Engineering (Trans Tech Publications Ltd), 21, 52-68
<https://www.scientific.net/JERA.21.52>
102. **M. Gnaneswara Reddy**, P Padma, B Shankar, BJ Gireesha (2016), Thermal radiation effects on MHD stagnation point flow of Nanofluid over a stretching sheet in a porous Medium, Journal of Nanofluids (American Scientific Publishers) 5, 753-764.
<https://www.ingentaconnect.com/contentone/asp/jon/2016/00000005/00000005/art00013>
103. **M. Gnaneswara Reddy**, Polarapu Padma and Bandari Shankar (2015), Effects of viscous dissipation and heat source on unsteady MHD flow over a stretching sheet, Ain Shams Engineering Journal (Elsevier) 6, 1195-1201 (I.F 6.0)
<https://www.sciencedirect.com/science/article/pii/S209044791500060X>
104. **M. Gnaneswara Reddy** (2015), Unsteady radiative-convective boundary-layer flow of a Casson fluid with variable thermal conductivity, Journal of Engineering Physical Thermophysics (Springer US), 88, 240-251 (I.F. 0.6)
<https://link.springer.com/article/10.1007/s10891-015-1187-5>
105. **M. Gnaneswara Reddy**, K Venugopal Reddy (2015), Influence of Joule heating on MHD peristaltic flow of a nanofluid with compliant walls, Procedia Engineering (No longer published by Elsevier), 127, 1002-1009.
<https://www.sciencedirect.com/science/article/pii/S1877705815038096>
106. Manjula Jonnadula, **M. Gnaneswara Reddy** Polarapu, Padma (2015), Influence of thermal radiation and chemical reaction on MHD flow, heat and mass transfer over a stretching surface, Procedia Engineering (Elsevier), 127, 1315-1322.
<https://www.sciencedirect.com/science/article/pii/S1877705815038497>
107. **M. Gnaneswara Reddy** (2014), Unsteady heat and mass transfer MHD flow of a chemically reacting fluid past an impulsively started vertical plate with radiation, Journal of Engineering Physics and Thermophysics (Springer US), 87, 1233-1240 (I.F. 0.6)
<https://link.springer.com/article/10.1007/s10891-014-1125-y>
108. **M. Gnaneswara Reddy** (2014), Thermal radiation and chemical reaction effects on steady convective slip flow with uniform heat and mass flux in the presence of ohmic heating and a heat source, Fluid Dynamics & Materials Processing (Tech Science press)10, 417-442
<https://www.techscience.com/fdmp/v10n4/24583>
109. **M. Gnaneswara Reddy** (2014), Effects of thermophoresis, viscous dissipation and joule heating on steady MHD flow over an inclined radiative isothermal permeable surface with variable thermal conductivity, Journal of Applied Fluid Mechanics (JFIMI), 7, 51-61
https://www.jafmonline.net/article_1430.html

110. **M. Gnaneswara Reddy** (2014), Influence of thermal radiation on natural convection boundary layer flow of a nanofluid past a vertical plate with uniform heat flux, *International Journal of Heat and Technology* (International Information and Engineering Technology Association) 32, 1-7
<https://www.researchgate.net/journal/International-Journal-of-Heat-and-Technology-0392-8764>
111. **M. Gnaneswara Reddy** (2014), Radiation effects on MHD natural convection flow along a vertical cylinder embedded in a porous medium with variable surface temperature and concentration, *Frontiers in Heat and Mass Transfer* (Thermal-Fluids Central) 5, 013004.
https://www.thermalfluidscentral.org/encyclopedia/index.php/Main_Page
112. **M. Gnaneswara Reddy** (2014), Thermal radiation and chemical reaction effects on MHD mixed convective boundary layer slip flow in a porous medium with heat source and Ohmic heating, *The European Physical Journal Plus* (Springer Berlin Heidelberg), 129, 1-17 (I.F. 3.4)
<https://link.springer.com/article/10.1140/epjp/i2014-14041-3>
113. **M. Gnaneswara Reddy** (2014), Influence of thermal radiation, viscous dissipation and Hall current on MHD convection flow over a stretched vertical flat plate, *Ain Shams Engineering Journal* (Elsevier), 5, 169-175 (I. F. 6.0)
<https://www.sciencedirect.com/science/article/pii/S2090447913000865>
114. **M. Gnaneswara Reddy** (2014), Effects of thermophoresis, viscous dissipation and joule heating on steady MHD flow over an inclined radiative isothermal permeable surface with variable thermal conductivity, *Journal of Applied Fluid Mechanics* (JFIFM), 7, 51-61
https://www.jafmonline.net/article_1430.html
115. **M. Gnaneswara Reddy** (2013), Mass transfer effects on the unsteady mhd radiative-convective flow of a micropolar fluid past a vertical porous plate with variable heat and mass fluxes, *Journal of Engineering Physics and Thermophysics* (Springer US), 86, 431-441.
<https://link.springer.com/article/10.1007/s10891-013-0852-9>
116. **M. Gnaneswara Reddy** (2013), Chemically reactive species and radiation effects on MHD convective flow past a moving vertical cylinder, *Ain Shams Engineering Journal* (Elsevier), 4, 879-888 (I.F. 6.0)
<https://www.sciencedirect.com/science/article/pii/S2090447913000439>
117. **M. Gnaneswara Reddy** (2012), Lie group analysis of heat and mass transfer effects on steady MHD free convection dissipative fluid flow past an inclined porous surface with heat generation, *National Library of Serbia* (doiserbia), 39, 233-254
<https://doiserbia.nb.rs/Article.aspx?ID=1450-55841203233R>
118. **M. Gnaneswara Reddy** and N Bhaskar Reddy (2011), Mass transfer and heat generation effects on MHD free convection flow past an inclined vertical surface in a porous medium, *Journal of applied fluid mechanics* (JFIFM), 4, 7-11
https://www.jafmonline.net/article_1269_2de4b1c294c7de9b269da2c8f804280d.pdf

Books Published

1. **M. Ganeswara Reddy** and K. Ramesh, *Nonlinear radiative falkner - skan flow of hydromagnetic nanofluid over a wedge with Arrhenius activation energy* (**Taylor & Francis**), 2023
<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003299608-28/nonlinear-radiative-falkner%E2%80%93skan-flow-hydromagnetic-nanofluid-wedge-arrhenius-activation-energy-ganeswara-reddy-ramesh>
2. **M. Ganeswara Reddy**, *Non-linear Radiation effect on dusty hydromagnetic Casson nanofluid* (**LAP Lambert Academic publishing**), 2022.
<https://www.morebooks.shop/shop-ui/shop/product/978-620-5-48874-4>
3. J Prakash, **M. Ganeswara Reddy**, D Tripathi, A. K. Tiwari, *A model for electro-osmotic flow of pseudoplastic nanofluids in presence of peristaltic pumping: an application to smart pumping in energy systems*, Nanotechnology for Energy and Environmental Engineering (**Springer**), 2020.
https://link.springer.com/chapter/10.1007/978-3-030-33774-2_8
4. **M. Ganeswara Reddy**, *Radiation effect on unsteady flow of a Chemically reacting fluid* (**LAP Lambert Academic publishing**), 2015.
<https://www.morebooks.shop/shop-ui/shop/product/978-3-8443-8206-8>
5. **M. Ganeswara Reddy** and N. Bhaskar Reddy, *Heat and Mass transfer effects on magnetohydrodynamic convective flows* (**LAP Lambert Academic publishing**), 2013
<https://www.morebooks.shop/shop-ui/shop/product/978-3-659-50284-2>

Ph.D. Thesis Adjudication

Ph.D. Thesis are Adjudicated to various University like Osmania University, Hyderabad; Kuvempu University, Shimoga; Devangere University, Davangere; Thiruvalluvar University, Tamila Nadu; Madurai Kamaraj University, Madurai etc.

Organizing Conferences/Workshops

1. National Conference on Mathematical Advances in Science and Industrial Technology, 26-27 March 2021, Sponsored by **University Grant Commission (UGC)**, New Delhi.
2. National Conference on Recent Advances in Mathematics and its Industrial Applications, 06- 07 February 2020, Sponsored by **Science & Engineering Research Board (SERB)**, New Delhi.
3. National Conference on Advances in Computational Fluid Dynamics, 13-14 April 2019, Sponsored by **Science & Engineering Research Board (SERB)**, New Delhi.
4. National Seminar on Emerging Trends in Mathematics and its applications, 24-25 January 2014, Sponsored by **Andhra Pradesh State Council of Higher Education (APSCHE)**, Hyderabad.
5. National Conference on Recent Advances in Mathematics and its Industrial Applications, 12-13 Feb 2020, Sponsored by **University Grant Commission (UGC)**, New Delhi.

Mentor for Dr. D.S. Kothari Post Doctoral Fellowship

Acted as a Mentor for Dr. D.S. Kothari Post Doctoral Fellowship, University Grant Commission (UGC), New Delhi. (No.F.4-2/2006 (BSR)/MA/19-20/0052, dated:23.06.2020)

Courses Taught

Partial Differential Equations, Graph Theory, Topology, Linear Programming.

Invited Lectures

1. Invited Speaker in National Seminar on Mathematical Techniques and Applications, Mahatma Gandhi University, Telangana, 03-04 March 2023.
2. Invited Talk in International Conference on Mathematics and its Relevancy of Ancient Mathematics to the Current Digital Trends, National Sanskrit University, Tirupati, 09-11, December 2022.
3. Invited Speaker in International Conference on Emerging Trends in Science and Technology, PACE Institute of Technology and Sciences, 1-3 December 2022.
4. Invited Talk in International Conference on Mathematics and its Relevance to Science and Engineering, Osmania University, Hyderabad, 12-14, March 2022.
5. Invited Talk in National Conference on Industrial applications of Mathematics and its Developments, Kuvempu University, Karnataka, 13-14, March 2020.

Presentations in Conferences, Seminars and Workshops

No. of Research papers Presented in Conferences, Seminars and Workshops – 24

Professional Membership

1. Life Membership for Andhra Pradesh & Telangana Society for Mathematical Sciences (LM No. 567).
2. Life Membership for Indian Society for History of Mathematics (ISHM).
3. Life Membership for Indian Mathematical Society (ISM).
4. Life Membership for International Association of Engineers (IAENG) (M No.187395).

Research ID's

Web of Science Researcher ID: [B-9174-2019](#)

SCOPUS Author ID: [57376523100](#)

ORCID ID: [0000-0003-2738-3833](#)

Google Scholar: <https://scholar.google.co.in/citations?user=NLqbOxIAAAAJ&hl=en>

Place: Nagarjuna Nagar

Date: 25-09-2023

Dr.M.Gnaneswara Reddy