

Meraj Mustafa Hashmi

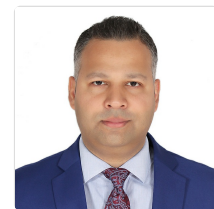
Professor

School of Natural Sciences

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About

Dr. Meraj Mustafa Hashmi is working as Professor in the School of Natural Sciences. Dr. Meraj Mustafa Hashmi has a PhD in Fluid Mechanics. Dr. Meraj Mustafa Hashmi has published 166 research articles & conference papers having a citation count of 7269, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Fluid Mechanics Quaid-i-Azam University , Pakistan	2007 - 2011
MSc in Mathematics Quaid-i-Azam University , Pakistan	2005 - 2007
BSc in Mathematics And Physics University of the Punjab , Pakistan	2003 - 2005

Experience

Professor School of Natural Sciences	2021- Present
Associate Professor School of Natural Sciences	2017 - 2021
Assistant Professor School of Natural Sciences	2015 - 2017
Assistant Professor School of Natural Sciences	2013 - 2015
Assistant Professor Research Centre for Modelling & Simulation	2012 - 2013
Assistant Professor Research Centre for Modelling & Simulation	2011 - 2012
Lecturer Research Centre for Modelling & Simulation	2010 - 2011

Awards

Best researcher award Best researcher of School of Natural Sciences (SNS) for the year 2016	2016
RPA-PCST(2014) Recipient of the Research Productivity Award for the year 2014 under Category A.	
RPA-PCST(2015) Recipient of the Research Productivity Award for the year 2015 under Category A.	

Research Projects

National Projects

Modeling and computational analysis of rotationally symmetric flows involving non-Newtonian fluids2022

Funding Agency: HEC

Amount: PKR 1,033,000.00

Status: Completed

International Projects

Research Articles

- Exploration of variable fluid properties in a pressure gradient driven generalized vortex flow dynamics using numerical approach2025
- Ariba Shakeel Meraj Mustafa Hashmi Kohilavani Naganthran
- Modern Physics Letters B , Volume:39, Issue:27, Article Number 2550136
- Impact Factor: 2.200 | Quartile: 1
- DOI: 10.1142/S0217984925501362
- Dynamics of submicron deposition in Reiner-Rivlin fluid confined between spinning and stretching coaxial disks: A comparative approach2025
- Noor-E-Sakha . Meraj Mustafa Hashmi
- International Journal of Modern Physics B, Volume:39, Issue:23,
- Impact Factor: 2.800 | Quartile: 1
- DOI: 10.1142/S021797922550211X
- Machine learning-inspired uncertainty analysis of unsteady flow along a deforming cylinder with variable physical properties2025
- Iqra Nasir Malik Meraj Mustafa Hashmi Tahir Mehmood
- PRAMANA-JOURNAL OF PHYSICS , Volume:99, Article Number:91, Pages:15
- Impact Factor: 2.1 | Quartile: 2
- DOI: 10.1007/s12043-025-02931-6
- Assessing entropy production in a rotating flow of Jeffrey fluid subjected to frictional heating using two computational methods2025
- Meraj Mustafa Hashmi Khursheed Muhammad Iqra Nasir Malik Sana Fakhar
- Results in Engineering , Volume:26, Article Number 105242
- Impact Factor: 6.000 | Quartile: 1
- DOI: https://doi.org/10.1016/j.rineng.2025.105242
- Examining heat transfer in an annular region bounded by an inner stretching and outer stationary cylinder considering variable properties2025
- Alhagie Cham Meraj Mustafa Hashmi Khursheed Muhammad
- Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, Pages 1-11
- Impact Factor: 1.800 | Quartile: 3
- DOI: 10.1177/09544062251324108
- Assessment of Bödewadt flow over a stretchable porous surface with variable physical properties: A comparative study2025
- Meraj Mustafa Hashmi Ariba Shakeel
- Numerical Heat Transfer, Part B: Fundamentals, Volume:86, Issue:1, Pages 29-42
- Impact Factor: 3.800 | Quartile: 1 | Citations: 2
- DOI: 10.1080/10407790.2023.2274452
- Exploring entropy production in MHD Walters-B fluid motion in a rotating frame with frictional heating using OHAM based package BVPh 2.02024
- Sana Fakhar Meraj Mustafa Hashmi Tayyaba Ibrahim
- International Journal of Hydrogen Energy , Volume 90, Pages 1252-1262
- Impact Factor: 8.100 | Quartile: 1 | Citations: 2
- DOI: 10.1016/j.ijhydene.2024.09.455
- Application of artificial neural networking to scrutinize the three-dimensional stagnation-point flow with variable physical properties2024
- Sana Saleem Rizwan Ul Haq Meraj Mustafa Hashmi Feroz Ahmed Somroo
- Physics of Fluids , Volume 36, Issue 10, Article Number 103631

Impact Factor: 4.100 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1063/5.0227095	
Exploring integrated heat and mass transfer in von-Kármán dynamics involving Reiner-Rivlin fluid with regression models <i>Saddam Sultan Akbar Meraj Mustafa Ammar Mushtaq</i> <i>Case Studies in Thermal Engineering</i>, Volume 62, Article Number 105154 Impact Factor: 6.400 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1016/j.csite.2024.105154	2024
Regression modeling of Bödewadt slip flow dynamics involving Reiner-Rivlin nanofluid based on a modified Buongiorno approach <i>Tayyaba Ibrahim Meraj Mustafa Junaid Ahmad Khan Ammar Mushtaq</i> <i>Physica scripta</i>, Volume 99, Number 10, Article Number 105042 Impact Factor: 2.600 Quartile: 2 DOI: 10.1088/1402-4896/ad78c1	2024
Examining stagnation-point flow impinging on a deforming cylinder in Reiner-Rivlin fluid with integrated heat and mass transfer <i>Alhagie Cham Meraj Mustafa Hashmi</i> <i>Case Studies in Thermal Engineering</i>, Volume 60, Article Number 104598 Impact Factor: 6.400 Quartile: 1 Citations: 3 DOI: 10.1016/j.csite.2024.104598	2024
Boundary layer formations over a stretchable heated cylinder in a viscoelastic fluid with partial slip and viscous dissipation effects <i>Alhagie Cham Meraj Mustafa Hashmi</i> <i>Numerical Heat Transfer, Part A: Applications</i>, Volume 85, Issue 11, Pages 1767-1779 Impact Factor: 2.000 Quartile: 3 Citations: 11 DOI: 10.1080/10407782.2023.2210259	2024
A novel model for viscoelastic fluid flow and heat near a stretchable plate using variable fluid properties: A computational study <i>Laiba Gull Meraj Mustafa Hashmi Rizwan Ul Haq</i> <i>Numerical Heat Transfer, Part B: Fundamentals</i>, Volume 85, Issue 6, Pages 649-661 Impact Factor: 1.000 Quartile: 4 Citations: 6 DOI: 10.1080/10407790.2023.2252601	2024
Modeling slip flow of Bingham fluid induced by a porous revolving disk with viscous dissipation and Joule heating effects <i>Haleema Sadia Meraj Mustafa Hashmi Tahir Mehmood</i> <i>Journal of Thermal Analysis and Calorimetry</i>, Volume 149, Issue 11, Pages 5555-5567 Impact Factor: 3.0 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1007/s10973-024-13260-y	2024
Exploring slip flow of viscoelastic fluid with frictional heating effects: Uncertainty analysis using response surface methodology (RSM) <i>Laiba Gull Ammar Mushtaq Tahir Mehmood Meraj Mustafa</i> <i>International Communications in Heat and Mass Transfer</i>, Volume:155, Article Number: 107548 Impact Factor: 7.0 Quartile: 1 Citations: 8 DOI: 10.1016/j.icheatmasstransfer.2024.107548	2024
Coupled heat and mass transfer to viscoelastic fluid flow in a rotating frame using series and numerical solutions <i>Saddam Sultan Akbar Meraj Mustafa Hashmi</i> <i>International Journal of Heat and Fluid Flow</i>, Volume 106, Article Numebr: 109294 Impact Factor: 2.6 Quartile: 2 Citations: 9 DOI: 10.1016/j.ijheatfluidflow.2024.109294	2024
Numerical investigation of Reiner–Rivlin fluid flow and heat transfer over a shrinking rotating disk <i>Suguneswaran Puspanathan Kohilavani Naganthran Meraj Mustafa Hashmi Ishak Hashim Shaher Momani</i> <i>Chinese Journal of Physics</i>, Volume 88, Pages 198-211 Impact Factor: 5.000 Quartile: 1 Citations: 9 DOI: 10.1016/j.cjph.2024.01.021	2024

Exploring the Dynamics of Second-Grade Fluid Motion and Heat Over a Deforming Cylinder or Plate Affected by Partial Slip Conditions <i>Alhagie Cham Meraj Mustafa Hashmi</i> <i>Arabian Journal for Science and Engineering</i>, Volume:49, Issue:2, Page:1505-1514 Impact Factor: 2.9 Quartile: 2 Citations: 12 DOI: 10.1007/s13369-023-07893-8	2024
Analytical solution for unsteady Walters-B fluid flow by a deforming surface with acceleration using OHAM based package BVPh2.0 <i>Iqra Nasir Malik Meraj Mustafa Hashmi</i> <i>Physica Scripta</i>, Volume 99, Number 1, Article Number: 015001, Pages: 12 Impact Factor: 2.9 Quartile: 2 Citations: 1 DOI: 10.1088/1402-4896/ad0f84	2024
Unsteady flow over a rotating and vertically moving disk with variable fluid properties <i>Saddam Sultan Akbar Meraj Mustafa Hashmi</i> <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i>, Volume 237, Issue 5, Pages 1679-1687 Impact Factor: 2.4 Quartile: 3 DOI: 10.1177/095440892211244	2023
Numerical exploration of slip effects on second-grade fluid motion over a porous revolving disk with heat and mass transfer <i>Haleema Sadia Meraj Mustafa Hashmi</i> <i>Heliyon</i>, Volume:9, Issue:8, Article Number:e18683 Impact Factor: 4.0 Quartile: 2 Citations: 14 DOI: 10.1016/j.heliyon.2023.e18683	2023
Numerical and series solutions for Von-Kármán flow of viscoelastic fluid inspired by viscous dissipation and Joule heating effects <i>Haleema Sadia Meraj Mustafa Hashmi Muhammad Asif Farooq</i> <i>Alexandria Engineering Journal</i>, Volume 75, Pages 181-190 Impact Factor: 6.626 Quartile: 1 Citations: 14 DOI: 10.1016/j.aej.2023.05.075	2023
Numerical exploration of buoyancy inspired flow of pseudoplastic fluid along a vertical cylinder with viscous dissipation effects <i>Iram Showkat Ammar Mushtaq Meraj Mustafa</i> <i>Alexandria Engineering Journal</i>, Volume 74, Pages 415-425 Impact Factor: 6.626 Quartile: 1 Citations: 10 DOI: https://doi.org/10.1016/j.aej.2023.05.039	2023
Application of Exponential Temperature Dependent Viscosity Model for Fluid Flow over a Moving or Stationary Slender Surface <i>Saddam Sultan Akbar Meraj Mustafa Hashmi</i> <i>Mathematics</i>, Volume 10, Issue 18, Article Number 3269 Impact Factor: 2.4 Quartile: 1 Citations: 6 DOI: 10.3390/math10183269	2022
A numerical study of rotationally symmetric nanofluid flow over a permeable surface using Buongiorno model <i>Sahreen Tahira Ammar Mushtaq Meraj Mustafa</i> <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i>, Volume 236, Issue 4, Pages 1652-1660 Impact Factor: 1.822 Quartile: 3 Citations: 2 DOI: https://doi.org/10.1177/09544089211073251	2022
A comparative study of different viscosity models for unsteady flow over a decelerating rotating disk with variable physical properties <i>Iqra Ejaz Meraj Mustafa Hashmi</i> <i>International Communications in Heat and Mass Transfer</i>, Volume 135, Article Number 106155 Impact Factor: 6.782 Quartile: 1 Citations: 18 DOI: 10.1016/j.icheatmasstransfer.2022.106155	2022
Rotationally symmetric flow of Cu-Al₂O₃/water hybrid nanofluid over a heated porous boundary <i>Ammar Mushtaq Meraj Mustafa Hashmi Sahreen Tahira</i> <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i>, Volume 236, issue 3, Pages 1524-1534	2022

Impact Factor: 1.762 Quartile: 3 Citations: 6 DOI: https://doi.org/10.1177/09544062211023104	
A novel formulation and analysis for heat transfer in von Kármán flow involving viscoelastic fluid: OHAM solutions <i>Muhammad Burhan Jafeer Meraj Mustafa Hashmi</i> <i>Journal of Thermal Analysis and Calorimetry</i>, Volume 147, Pages 477-488 Impact Factor: 4.4 Quartile: 1 Citations: 8 DOI: 10.1007/s10973-020-10244-6	2022
Falkner-Skan flow of nanofluid past a static wedge with partial slip conditions using different models <i>Ammara Bhatti Meraj Mustafa Hashmi Talat Rafiq</i> <i>International Communications in Heat and Mass Transfer</i>, Volume 129, Article Number 105690 Impact Factor: 5.683 Quartile: 1 Citations: 7 DOI: 10.1016/j.icheatmasstransfer.2021.105690	2021
Bödewadt flow of Bingham fluid over a permeable disk with variable fluid properties: A numerical study <i>Meraj Mustafa Hashmi Talat Rafiq Sadia Hina</i> <i>International Communications in Heat and Mass Transfer</i>, Volume 127, Article Number 105540 Impact Factor: 5.683 Quartile: 1 Citations: 10 DOI: 10.1016/j.icheatmasstransfer.2021.105540	2021
Rotationally symmetric flow of Reiner-Rivlin fluid over a heated porous wall using numerical approach <i>Junaid Ahmad Khan Talat Rafiq Meraj Mustafa Hashmi</i> <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , Pages 1-12 Impact Factor: 1.758 Quartile: 3 Citations: 12 DOI: https://doi.org/10.1177/09544062211034204	2021
Steadily revolving flow of Sisko fluid along a stretchable boundary with non-linear radiation effects <i>Talat Rafiq Meraj Mustafa Hashmi</i> <i>Pramana-Journal of Physics</i> , Volume 95, Article Number: 120 Impact Factor: 2.219 Quartile: 2 Citations: 6 DOI: https://doi.org/10.1007/s12043-021-02149-2	2021
Bodewadt flow of Bingham fluids over a non-isothermal permeable disk with viscous dissipation effects <i>Talat Rafiq Meraj Mustafa Hashmi</i> <i>Alexandria Engineering Journal</i> , Volume 60, Issue 3, Pages 2857-2864 Impact Factor: 6.626 Quartile: 1 Citations: 13 DOI: 10.1016/j.aej.2021.01.020	2021
A study of heat transfer and entropy generation in von Kármán flow of Reiner-Rivlin fluid due to a stretchable disk <i>Muhammad Usman Rashid Meraj Mustafa Hashmi</i> <i>Ain Shams Engineering Journal</i>, Volume 12, Issue 1, Pages 875-883 Impact Factor: 4.790 Quartile: 1 Citations: 40 DOI: https://doi.org/10.1016/j.asej.2020.06.017	2021
A study of elastico-viscous fluid flow by a revolving disk with heat dissipation effects using HAM based package BVPh 2.0 <i>Muhammad Burhan Jafeer Meraj Mustafa Hashmi</i> <i>Scientific Reports</i> , Volume 11, Article Number 4514 Impact Factor: 4.997 Quartile: 2 Citations: 16 DOI: https://doi.org/10.1038/s41598-021-83864-z	2021
Analytical solutions for fluid flow triggered by a melting cylindrical surface in upper-convected Maxwell (UCM) fluid <i>Rai Sajjad Saif Meraj Mustafa Muhammad F. Afzaal Hamid Assilzadeh</i> <i>International Communications in Heat and Mass Transfer</i>, Volume 121, Article Number 105059 Impact Factor: 6.782 Quartile: 1 Citations: 14 DOI: https://doi.org/10.1016/j.icheatmasstransfer.2020.105059	2021
Second law analysis of heat transfer in swirling flow of Bingham fluid by a rotating disk subjected to suction effect <i>Maria Tabassum Mahmood Rahi Meraj Mustafa Hashmi</i>	2021

<i>Thermal Science</i> , Volume 25, Issue 1, Part A, Pages 13-24	
Impact Factor: 1.971 Quartile: 3 Citations: 16	
DOI: https://doi.org/10.2298/TSCI180722162M	
A Novel Formulation for MHD Slip Flow of Elastico-Viscous Fluid Induced by Peristaltic Waves with Heat/Mass Transfer Effects	2020
<i>Javeriah Rani S. Hina Meraj Mustafa Hashmi</i>	
<i>Arabian Journal for Science and Engineering</i> , Volume 45, Pages 9213–9225	
Impact Factor: 2.334 Quartile: 3 Citations: 17	
DOI: https://doi.org/10.1007/s13369-020-04722-0	
Dual solutions for fluid flow over a stretching/shrinking rotating disk subject to variable fluid properties	2020
<i>Ammar Mushtaq Roslinda Nazar Kohilavani Naganthran Meraj Mustafa Hashmi</i>	
<i>Physica A: Statistical Mechanics and its Applications</i> , Volume 556, Article Number 124773	
Impact Factor: 3.263 Quartile: 2 Citations: 38	
DOI: https://doi.org/10.1016/j.physa.2020.124773	
A New Model and Analysis for Peristalsis of Carreau–Yasuda (CY) Nanofluid Subject to Wall Properties	2020
<i>Sana Maryam Kayani Sadia Hina Meraj Mustafa Hashmi</i>	
<i>Arabian Journal for Science and Engineering</i> , Volume 45, Pages 5179-5190	
Impact Factor: 2.334 Quartile: 3 Citations: 38	
DOI: https://doi.org/10.1007/s13369-020-04359-z	
Modeling Heat Transfer in Fluid Flow Near a Decelerating Rotating Disk with Variable Fluid Properties	2020
<i>Talat Rafiq Muhammad Asif Farooq Talat Rafiq Meraj Mustafa Hashmi</i>	
<i>International Communications in Heat and Mass Transfer</i> , Volume 116, Article Number 104673	
Impact Factor: 5.683 Quartile: 1 Citations: 40	
DOI: https://doi.org/10.1016/j.icheatmasstransfer.2020.104673	
Numerical simulations of heat transfer around a circular cylinder immersed in a shear-thinning fluid obeying Cross model	2020
<i>Sadia Hina Ayesha Shafique Meraj Mustafa Hashmi</i>	
<i>Physica A: Statistical Mechanics and its Applications</i> , Volume 540, Article Number 123184	
Impact Factor: 3.263 Quartile: 2	
DOI: https://www.sciencedirect.com/science/article/pii/S0378437119317911?via%3Dihub	
Computational Analysis of Unsteady Swirling Flow Around a Decelerating Rotating Porous Disk in Nanofluid	2020
<i>Talat Rafiq Meraj Mustafa Hashmi</i>	
<i>Arabian Journal for Science and Engineering</i> , Volume 45, Pages 1143-1154	
Impact Factor: 2.334 Quartile: 3	
DOI: 10.1007/s13369-019-04257-z .	
Bodewadt Flow Over a Permeable Disk with Homogeneous-Heterogeneous Reactions: A Numerical Study	2019
<i>Talat Rafiq Meraj Mustafa Hashmi</i>	
<i>Applied Sciences-Basel</i> , Volume 9, Issue 19, Article Number:4046	
Impact Factor: 2.474 Quartile: 2 Citations: 15	
DOI: 10.3390/app9194046	
Numerical study of Bödewadt slip flow on a convectively heated porous disk in a nanofluid	2019
<i>Talat Rafiq Meraj Mustafa Hashmi Junaid Ahmad Khan</i>	
<i>Physica Scripta</i> , Volume 94, Issue 9, Article Number: 095701	
Impact Factor: 1.985 Quartile: 2 Citations: 14	
DOI: https://doi.org/10.1088/1402-4896/ab1549	
A Novel Approach to Develop a Closed-Form Solution for MHD Flow Induced by a Rotating Disk	2019
<i>Zeshan Zulfiqar Azad Akhter Siddiqui Meraj Mustafa Hashmi</i>	
<i>IEEE Access</i> , Volume 7, page 124410	
Impact Factor: 3.745 Quartile: 1 Citations: 3	
DOI: 10.1109/ACCESS.2019.2938314	
Numerical assessment of Bödewadt flow and heat transfer over a permeable disk with variable fluid properties	2019

<i>Meraj Mustafa Hashmi Muhammad Asif Farooq Talat Rafiq</i> <i>Physica A: Statistical Mechanics and its Applications</i>, Volume 534, Article 122138 Impact Factor: 2.924 Quartile: 2 Citations: 28 DOI: https://doi.org/10.1016/j.physa.2019.122138	
Pressure-Driven Flow of Cross Fluid Along a Stationary Plate Subject to Binary Chemical Reaction and Arrhenius Activation Energy <i>Meraj Mustafa Hashmi Aiman Sultan Mahmood Rahi</i> <i>Arabian Journal for Science and Engineering</i>, Volume 44, Issue 6, Pages 5647-5655 Impact Factor: 1.711 Quartile: 3 Citations: 18 DOI: 10.1007/s13369-018-3678-0	2019
Assisting or opposing MHD flow of cross fluid along a non-isothermal surface with variable thermal conductivity <i>Meraj Mustafa Hashmi Aiman Sultan Mahmood Rahi</i> <i>PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF ME</i>, Vol 233, Issue 14 Impact Factor: 1.386 Quartile: 3 Citations: 6 DOI: 10.1177/0954406219842600	2019
Entropy generation analysis for radiative heat transfer to B?dewadt slip flow subject to strong wall suction <i>Meraj Mustafa Hashmi Ioan Pop Kohilavani Naganthran Roslinda Nazar</i> <i>European Journal of Mechanics-B Fluids</i>, NULL Impact Factor: 1.811 Quartile: 3 DOI: https://www.sciencedirect.com/science/article/pii/S0997754618301316	2018
Analytical and numerical approaches for Falkner?Skan flow of MHD Maxwell fluid using a non-Fourier heat flux model <i>Saeid Abbasbandy Meraj Mustafa Hashmi</i> <i>International Journal of Numerical Methods for Heat & Fluid Flow</i>, NULL Impact Factor: 1.958 Quartile: 2 Citations: 6 DOI: https://www.emeraldinsight.com/doi/abs/10.1108/HFF-08-2017-0316	2018
Modeling MHD swirling flow due to rough rotating disk with non-linear radiation and chemically reactive solute <i>Meraj Mustafa Hashmi Ammar Mushtaq Tasawar Hayat Ahmed Alsaedi</i> <i>International Journal of Numerical Methods for Heat & Fluid Flow</i>, NULL Impact Factor: 1.958 Quartile: 2 Citations: 4 DOI: https://www.emeraldinsight.com/doi/abs/10.1108/HFF-10-2017-0403	2018
Non-aligned MHD stagnation-point flow of upper-convected Maxwell fluid with nonlinear thermal radiation <i>Meraj Mustafa Ammar Mushtaq Tasawar Hayat Ahmed Alsaedi</i> <i>Neural Computing and Applications</i>, NEURAL COMPUTING & APPLICATIONS Volume: 30 Issue: 5 Pages: 1549-1555 Impact Factor: 4.664 Quartile: 1 Citations: 7 DOI: 10.1007/s00521-016-2761-2	2018
A revised model to study the MHD nanofluid flow and heat transfer due to rotating disk: numerical solutions <i>Junaid Ahmad Khan Tasawar Hayat Ahmed Alsaedi Meraj Mustafa Hashmi</i> <i>Neural Computing and Applications</i>, NULL Impact Factor: 4.664 Quartile: 1 Citations: 30 DOI: https://link.springer.com/article/10.1007/s00521-016-2743-4	2018
A numerical treatment for partial slip flow and heat transfer of non-Newtonian Reiner-Rivlin fluid due to rotating disk <i>M. Mustafa Maria Tabassum</i> <i>International Journal of Heat and Mass Transfer</i>, NULL Impact Factor: 4.346 Quartile: 1 DOI: https://www.sciencedirect.com/science/article/pii/S0017931017348123	2018
Buoyancy effects in stagnation-point flow of Maxwell fluid utilizing non-Fourier heat flux approach <i>Ammar Mushtaq Ahmed Alsaedi Meraj Mustafa Tasawar Hayat</i> <i>PLoS ONE</i>, Volume 13 Issue 7 Article Number e0200325 Impact Factor: 2.776 Quartile: 2 Citations: 14	2018

- Consequences of convection-radiation interaction for magnetite-water nanofluid flow due to a moving plate** 2018
Ammar Mushtaq Junaid Ahmad Khan Meraj Mustafa Hashmi Tasawar Hayat Ahmad Alsaedi
Thermal Science, Volume 22(1B), Pages 443-451
Impact Factor: 1.541 | **Quartile:** 3 | **Citations:** 3
DOI: 10.2298/TSCI151128212M
- Influence of Non-linear Radiation Heat Flux on Rotating Maxwell Fluid over a Deformable Surface: A Numerical Study** 2018
Ammar Mushtaq Ahmed Alsaedi Tasawar Hayat Meraj Mustafa Hashmi
Communications in Theoretical Physics, NULL
Impact Factor: 1.416 | **Quartile:** 3 | **Citations:** 1
DOI: 10.1088/0253-6102/69/4/461
- Heat transfer in Oldroyd-B fluid flow due to an exponentially stretching wall utilizing Cattaneo-Christov heat flux model** 2018
Meraj Mustafa Hashmi T. Hayat A. Alsaedi
Journal of the Brazilian Society of Mechanical Sciences and Engineering, Vol.40:191, April 2018
Impact Factor: 1.743 | **Quartile:** 3 | **Citations:** 6
DOI: 10.1007/s40430-018-1132-6
- A numerical analysis for non-linear radiation in MHD flow around a cylindrical surface with chemically reactive species** 2018
Junaid Ahmad Khan Meraj Mustafa Hashmi
Results in Physics, Volume 8, Pages 963-970
Impact Factor: 3.042 | **Quartile:** 1 | **Citations:** 26
DOI: 10.1016/j.rinp.2017.12.067
- Numerical Solutions for Radiative Heat Transfer in Ferrofluid Flow due to a Rotating Disk: Tiwari and Das Model** 2018
Meraj Mustafa Junaid Ahmad Khan T. Hayat A. Alsaedi
International Journal of Nonlinear Sciences and Numerical Simulation, NULL
Impact Factor: 1.033 | **Quartile:** 3 | **Citations:** 12
DOI: 10.1515/ijnsns-2015-0196
- Rotating flow of viscoelastic fluid with nonlinear thermal radiation: a numerical study** 2018
Meraj Mustafa Hashmi Tasawar Hayat Ahmed Alsaedi Rida Ahmad
Neural Computing and Applications, NULL
Impact Factor: 4.664 | **Quartile:** 1 | **Citations:** 29
DOI: <https://link.springer.com/article/10.1007/s00521-016-2462-x>
- An analytical treatment for MHD mixed convection boundary layer flow of Oldroyd-B fluid utilizing non-Fourier heat flux model** 2017
Meraj Mustafa
International Journal of Heat and Mass Transfer, Volume 113, Pages 1012-1020
Impact Factor: 3.891 | **Quartile:** 1 | **Citations:** 29
DOI: 10.1016/j.ijheatmasstransfer.2017.06.002
- A non-Fourier heat flux approach to model MHD Oldroyd-B fluid flow due to bidirectional stretching surface** 2017
S. Hina Maimoona Munir Meraj Mustafa Hashmi
International Journal of Mechanical Sciences, Volumes 131-132, Pages 146-154
Impact Factor: 3.570 | **Quartile:** 2 | **Citations:** 25
DOI: 10.1016/j.ijmecsci.2017.06.051
- Rotating flow of Oldroyd-B fluid over stretchable surface with Cattaneo - Christov heat flux Analytic solutions** 2017
Meraj Mustafa Hashmi T. Hayat A. Alsaedi
International Journal of Numerical Methods for Heat & Fluid Flow, Volume:27, Issue: 10, Pages: 2207-2222
Impact Factor: 2.45 | **Quartile:** 1 | **Citations:** 16
DOI: DOI:10.1108/HFF-08-2016-0323

Numerical tackling for viscoelastic fluid flow in rotating frame considering homogeneous-heterogeneous reactions <i>Najwa Maqsood Meraj Mustafa Hashmi Junaid Ahmad Khan</i> <i>Results in Physics</i> , NULL Impact Factor: 2.147 Quartile: 2 Citations: 16 DOI: 10.1016/j.rinp.2017.09.011	2017
Computations for nanofluid flow near a stretchable rotating disk with axial magnetic field and convective conditions <i>Ammar Mushtaq Meraj Mustafa</i> <i>Results in Physics</i> , Volume 7, Pages 3137-3144 Impact Factor: 2.147 Quartile: 2 Citations: 38 DOI: 10.1016/j.rinp.2017.08.031	2017
Buoyancy effects on nanofluid flow past a convectively heated vertical Riga-plate: A numerical study <i>Rida Ahmad Meraj Mustafa Hashmi M. Turkyilmazoglu</i> <i>International Journal of Heat and Mass Transfer</i> , Volume 111, Pages 827-835 Impact Factor: 3.891 Quartile: 1 Citations: 148 DOI: 10.1016/j.ijheatmasstransfer.2017.04.046	2017
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International Communications in Heat and Mass Transfer Reviewed Papers for Journals Impact Factor: 6.4	2025
Multiscale and Multidisciplinary Modeling, Experiments and Design Reviewed Papers for Journals Impact Factor: 1.9	2025
Journal of Applied Mathematics and Mechanics Reviewed Papers for Journals Impact Factor: 2.3	2025
Modern Physics Letters B Reviewed Papers for Journals Impact Factor: 1.8	2025
European Journal of Mechanics Reviewed Papers for Journals Impact Factor: 2.5	2025
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