Imran Ullah

Associate Professor

Military College of Engineering

Email: imran.ullah@mce.nust.edu.pk
Contact: 092363131
LinkedIn: https://www.linkedin.com/feed/

About

Dr. Imran Ullah is working as Associate Professor in the Military College of Engineering. Dr. Imran Ullah has a PhD in Mathematics. Dr. Imran Ullah has published 37 research articles & conference papers having a citation count of 977, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics 2015 - 2017
Universiti Teknologi Malaysia , Malaysia

MPhil in Applied Mathematics 2003 - 2005
Quaid-i-Azam University , Pakistan

MSc in Applied Maths 2001 - 2003
Quaid-i-Azam University , Pakistan

BSc in Physics Science 1998 - 2000
University of Peshawar , Pakistan

Experience

Associate Professor 2022- Present
Military College of Engineering

Associate Professor 2019 - 2022
Military College of Engineering

Assistant Professor 2013 - 2019
Military College of Engineering

Lecturer 2006 - 2013
Military College of Engineering

Awards

The Chancellor Award 2018
Awarded by Universiti Teknologi Malaysia on academic performance in PhD.

Best Postgraduate Student 2018
Awarded by Universiti Teknologi Malaysia on academic performance in PhD.

Research Articles

Numerical Study on Mixed Convection Stagnation-Point Flow of Reiner-Philippoff Hybrid Nanofluid over a Shrinking Sheet 2025

Nur Syahidah Nordin Abdul Rahman MohdKasim Iskandar Waini Masyfu'ah Mokhtar Siti Farah Haryatie Mohd Kanafiah Imran Ullah

Semarak International Journal of Mechanical Precision Engineering, Volume 2(1), Pages 24-36

Impact Factor: N/A
DOI: https://doi.org/10.37934/sijmpe.2.1.2436a

Melting and heat generating influences on radiative flow of two-phase magneto-Williamson nanofluid via stretchable surface with slippage velocity and activation energy 2024

Imran Ullah Wasim Jamshed Nek Muhammad Katbar Mohamed R. Eid Faisal Z. Duraihem Siti Suzilliana Putri Mohamed Isa Rabha W. Ibrahim Afrah M. AlDerea

Numerical Heat Transfer, Part A: Applications, Pages 1-23

Impact Factor: 2.00 | **Quartile:** 3 | **Citations:** 4

DOI: https://doi.org/10.1080/10407782.2024.2322703

Thermal radiative and Hall current effects on magneto-natural convective flow of dusty fluid: Numerical Runge–Kutta–Fehlberg technique 2024

Sharena Mohamad Isa Rahimah Mahat Nek Muhammad Katbar B. Shankar Goud Imran Ullah Wasim Jamshed Mohamed R. Eid Haifa Alqahtani Syed M. Hussain

Numerical Heat Transfer, Part B: Fundamentals, Pages 1-23

Impact Factor: 1.000 | **Quartile:** 4 | **Citations:** 4

DOI: https://doi.org/10.1080/10407790.2024.2318452

Heat generation (absorption) in 3D bioconvection flow of Casson nanofluid via a convective heated stretchable surface 2023

Dr. Imran Ullah Waqar A. Khan Wasim Jamshed Assmaa Abd-Elmonem Nesreen Sirelkhtam Elmki Abdalla Rabha W. Ibrahim Mohamed R. Eid Fayza Abdel Aziz ElSeabee

Journal of Molecular Liquids, Volume 392, Part 1, Article Number 123503

Impact Factor: 6.0 | **Quartile:** 1 | **Citations:** 13

DOI: https://doi.org/10.1016/j.molliq.2023.123503

Artificial neural network modeling of mixed convection viscoelastic hybrid nanofluid across a circular cylinder with radiation effect: Case study 2023

Syed M. Hussain Rahimah Mahat Nek Muhammad Katbar Dr. Imran Ullah R.S. Varun Kumar B.C. Prasannakumara Wasim Jamshed Mohamed R. Eid Waqar A. Khan Usman Rabha W. Ibrahim Sayed M. El Din

Case Studies in Thermal Engineering, https://www.sciencedirect.com/journal/case-studies-in-thermal-engineering

Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 42

DOI: 10.1016/j.csite.2023.103487

Electro-magnetic radiative flowing of Williamson-dusty nanofluid along elongating sheet: Nanotechnology application 2023

Imran Ullah Farhad Ali Sharena Mohamad Isa Saqib Murtaza Wasim Jamshed Mohamed R. Eid Ayesha Amjad Kamel Guedri Hamiden Abd El-Wahed Khalifa Sayed M. Eldin

Arabian Journal of Chemistry, Volume 16, Issue 5, Article Number 104698

Impact Factor: 6.212 | **Quartile:** 2 | **Citations:** 37

DOI: https://doi.org/10.1016/j.arabjc.2023.104698

Free Convection of Viscoelastic Nanofluid Flow on a Horizontal Circular Cylinder with Constant Heat Flux 2023

Rahimah Mahat Sharidan Shafie Imran Ullah

Journal of Advanced Research in Applied Sciences and Engineering Technology, Volume 30, Issue 3, Pages 1-8

Impact Factor: N/A | **Citations:** 9

DOI: https://doi.org/10.37934/araset.30.3.18

Insightful into dynamics of magneto Reiner-Philippoff nanofluid flow induced by triple-diffusive convection with zero nanoparticle mass flux 2023

Tanveer Sajid Wasim Jamshed Faisal Shahzad Imran Ullah Rabha W.Ibrahim Mohamed R. Eid Misbah Arshad Hamiden Abd El-Wahed Khalifa Samaher Khalaf Alharbi M. El Sayed Tag El Dini

Ain Shams Engineering Journal, Article in Press

Impact Factor: 4.790 | **Quartile:** 1 | **Citations:** 24

DOI: https://doi.org/10.1016/j.asej.2022.101946

Effectiveness of non-uniform heat generation (sinking) and thermal characterization of Carreau fluid flowing across nonlinear elongating cylinder: Convergence analysis aspect 2022

Lim Yeou Jiann Sharidan Shafie Dr. Imran Ullah Wasim Jamshed Mohamed R. Eid Sayed M. Eldin

ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik, Pages 1-27

Impact Factor: 1.759 | **Quartile:** 2 | **Citations:** 4

DOI: https://doi.org/10.1002/zamm.202200049

Partial differential equations modeling of thermal transportation in Casson nanofluid flow with arrhenius activation energy and irreversibility processes 2022

Khalid Fanoukh Al Oweidi Wasim Jamshed Usman Siti Suzilliana Putri Mohamed Isa Sayed M. El Din Kamel Guedri Refed Adnan Jaleel B. Shankar Goud Imran Ullah

Scientific Reports , Vol:12, Article number: 20597

Impact Factor: 4.996 | **Quartile:** 2 | **Citations:** 20

DOI: https://doi.org/10.1038/s41598-022-25010-x

Influences of Fourier and Fick's relations in stagnation point flow of Reiner-Philippoff fluid containing oxytactic-microorganisms with variable molecular diffusivity 2022

Tanveer Sajid Wasim Jamshed Faisal Shahzad Mohamed R. Eid Muhammad Sohail Imran Ullah

Waves in Random and Complex Media, Pages 1-22

Impact Factor: 4.051 | **Quartile:** 2 | **Citations:** 11

DOI: https://doi.org/10.1080/17455030.2022.2148013

Finite Element Methodology of Hybridity Nanofluid Flowing in Diverse Wavy Sides of Penetrable Cylindrical Chamber under a Parallel Magnetic Field with Entropy Generation Analysis 2022

Fares Redouane Wasim Jamshed Mohamed R. Eid Suriya Uma Devi S Awad Musa Sayed M. Eldin M. Prakash Imran Ullah

Micromachines , Volume 13, Issue 11, Article Number 1905

Impact Factor: 3.523 | **Quartile:** 2 | **Citations:** 10

DOI: https://doi.org/10.3390/mi13111905

Thermal scrutinization of magetohydrodynamics CuO engine oil nanofluid flow across a horizontal surface via Koo–Kleinstreuer–Li modeling: A thermal case study 2022

Syed M. Hussain Faisal Shahzad Wasim Jamshed Muhammad Kalimuddin Ahmad Zulfiqar Rehman Imran Ullah

Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Pages 1-14

Impact Factor: 1.822 | **Quartile:** 3 | **Citations:** 2

DOI: https://doi.org/10.1177/09544089221131147

Electromagnetic mixed convective flow and melting heat process of Sisko nanomaterial through non-linear expanding surface with thick dissemination and convective constrains: thermal case investigatory 2022

Imran Ullah Waqar A Khan Wasim Jamshed Rabia Safdar Nor Ain Azeany Mohd Nasir

Waves in Random and Complex Media, Pages 1-20

Impact Factor: 4.051 | **Quartile:** 2 | **Citations:** 1

DOI: https://doi.org/10.1080/17455030.2022.2131014

Mixed convection flow of an electrically conducting viscoelastic fluid past a vertical nonlinearly stretching sheet 2022

Ahmad Banji Jafar Sharidan Shafie Dr. Imran Ullah Rabia Safdar Wasim Jamshed Amjad Ali Pasha Mustafa Mutiur Rahman Syed M. Hussain Aysha Rehman El Sayed M. Tag El Din Mohamed R. Eid

Scientific Reports , Volume 12, Issue 1, Article Number 14679

Impact Factor: 4.996 | **Quartile:** 2 | **Citations:** 23

DOI: https://doi.org/10.1038/s41598-022-18761-0

Comparative analysis of the CNTs nano fluid flow between the two gyrating disks 2022

Saad A Khan Imran Khan Taza Gul Imran Ullah Mujeeb ur Rehman Asif Ullah Said Anwar Shah

Advances in Mechanical Engineering , Volume 14, Issue 4, Pages 1-13

Impact Factor: 1.316 | **Quartile:** 4 | **Citations:** 6

DOI: https://doi.org/10.1177/16878132221093124

MHD radiative flow of Williamson nanofluid along stretching sheet in a porous medium with convective boundary conditions 2021

Imran Ullah

Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Pages 1-9

Impact Factor: 1.620 | **Quartile:** 3 | **Citations:** 8

DOI: https://doi.org/10.1177/09544089211058093

Unsteady Free Convection Flow of Nanofluid with Dissipation Effect over a Non-Isothermal Vertical Cone 2020

Hajar Hanafi Sharidan Shafie Imran Ullah

Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, Volume 75, Issue 1, Pages 1-11

Impact Factor: NA | **Citations:** 3

DOI: https://doi.org/10.37934/arfmts.75.1.111

MHD radiative nanofluid flow induced by a nonlinear stretching sheet in a porous medium 2020

Ahmad Banji Jafar Sharidan Shafie Imran Ullah

Heliyon , Volume 6, Issue 6, Article Number e04201

Impact Factor: 0 | **Citations:** 77

DOI: https://doi.org/10.1016/j.heliyon.2020.e04201

MHD Flow and Heat Transfer in Sodium Alginate Fluid with Thermal Radiation and Porosity Effects: Fractional Model of Atangana–Baleanu Derivative of Non-Local and Non-Singular Kernel 2019

Arshad Khan Dolat Khan Ilyas Khan Muhammad Taj Imran Ullah Abdullah Mohammed Aldawsari Phatiphat Thounthong Kottakkaran Sooppy Nisar
Symmetry , 11(10), 1295
Impact Factor: 2.645 | **Quartile:** 2 | **Citations:** 24
DOI: 10.3390/sym11101295

Magnetohydrodynamic Boundary Layer Flow of a Viscoelastic Fluid Past a Nonlinear Stretching Sheet in the Presence of Viscous Dissipation Effect 2019
Ahmad Banji Jafar Sharidan Shafie Imran Ullah
Coatings , Volume 9, Issue 8, Article Number 490
Impact Factor: 2.436 | **Quartile:** 2 | **Citations:** 19
DOI: 10.3390/coatings9080490

Unsteady Free Convection Flow of Casson Nanofluid Over a Nonlinear Stretching Sheet 2019
Imran Ullah Kottakkaran SooppY nisar Sharidan Shafie Ilyas Khan Muhammad Qasim Arshad Khan
IEEE Access , Volume 7, Pages 93076-93087
Impact Factor: 3.745 | **Quartile:** 1 | **Citations:** 19
DOI: 10.1109/ACCESS.2019.2920243

MHD Slip Flow of Casson Fluid along a Nonlinear Permeable Stretching Cylinder Saturated in a Porous Medium with Chemical Reaction, Viscous Dissipation, and Heat Generation/Absorption 2019
Imran Ullah Tawfeeq Abdullah Alkanhal Sharidan Shafie Kottakkaran Sooppy Nisar Ilyas Khan Oluwole Daniel Makinde
Symmetry , Volume 11, Issue 4, Article Number 531
Impact Factor: 2.645 | **Quartile:** 2 | **Citations:** 73
DOI: 10.3390/sym11040531

Heat and mass transfer in unsteady MHD slip flow of Casson fluid over a moving wedge embedded in a porous medium in the presence of chemical reaction: Numerical Solutions using Keller-Box Method 2018
Imran Ullah Ilyas Khan Sharidan Shafie
Numerical Methods for Partial Differential Equations, Volume 34. Issue 5, Pages 1867-1891, Special Issue: SI
Impact Factor: 1.633 | **Quartile:** 1 | **Citations:** 15
DOI: 10.1002/num.22221

Brownian diffusion and thermophoresis mechanisms in Casson fluid over a moving wedge 2018
Imran Ullah Sharidan Shafie Ilyas Khan Kai Long Hsiao
Results in Physics, NULL
Impact Factor: 3.042 | **Quartile:** 1 | **Citations:** 51
DOI: 10.1016/j.rinp.2018.02.021

HEAT GENERATION AND ABSORPTION IN MHD FLOW OF CASSON FLUID PAST A STRETCHING WEDGE WITH VISCOUS DISSIPATION AND NEWTONIAN HEATING 2018
Imran Ullah Sharidan Shafie Ilyas Khan
Jurnal Teknologi , Pages 77-85
Impact Factor: 0 | **Citations:** 7
DOI: https://doi.org/10.11113/jt.v80.11138

MHD Mixed Convection Flow of Casson Fluid over a Moving Wedge Saturated in a Porous Medium in the presence of Chemical Reaction and Convective Boundary Conditions 2017
Imran Ullah Sharidan Shafie Ilyas Khan
Journal of Science and Technology, Volume 9, No 3, Pages 131-139
Impact Factor: 0
DOI: -

MHD heat transfer flow of Casson fluid past a stretching wedge subject to suction and injection 2017
Imran Ullah Sharidan Shafie Ilyas Khan Sharidan Shafie Ilyas Khan
Malaysian Journal of Fundamental and Applied Sciences, Volume 13, Issue 4, Pages 637-641
Impact Factor: N/A
DOI: 10.11113/mjfas.v13n4.745

Unsteady MHD Falkner-Skan flow of Casson nanofluid with generative/destructive chemical reaction 2017
Imran Ullah Sharidan Shafie Oluwole Daniel Makinde Ilyas Khan
Chemical Engineering Science , Volume: 172 Pages: 694-706
Impact Factor: 3.306 | **Quartile:** 1 | **Citations:** 61
DOI: 10.1016/j.ces.2017.07.011

MHD free convection flow of Casson fluid over a permeable nonlinearly stretching sheet with chemical reaction 2017

Imran Ullah Sharidan Shafie Ilyas Khan Sharidan Shafie Ilyas Khan

Malaysian Journal of Fundamental and Applied Sciences, Volume 13, Issue 3, Pages 264-270

Impact Factor: 0

DOI: https://doi.org/10.11113/mjfas.v13n3.568

Heat and Mass Transfer Slip Flow of Casson Fluid over a Nonlinearly Stretching Sheet Saturated in a Porous Medium with Chemical Reaction 2017

Imran Ullah Muhammad Qasim Ilyas Khan Sharidan Shafie

Journal of Mathematics , -

Impact Factor: 0

DOI: NA

Soret and Dufour effects on unsteady mixed convection slip flow of Casson fluid over a nonlinearly stretching sheet with convective boundary condition 2017

Imran Ullah Ilyas Khan College of Engineering Majmaah University

Scientific Reports , Volume: 7

Impact Factor: 4.122 | **Quartile:** 1 | **Citations:** 53

DOI: 10.1038/s41598-017-01205-5

Effects of slip condition and Newtonian heating on MHD flow of Casson fluid over a nonlinearly stretching sheet saturated in a porous medium 2017

Imran Ullah Sharidan Shafie Ilyas Khan Sharidan Shafie Ilyas Khan

Journal of King Saud University - Science, Volume 29, Issue 2, Pages 250-259

Impact Factor: N/A | **Citations:** 148

DOI: 10.1016/j.jksus.2016.05.003

MHD Natural Convection Flow of Casson Nanofluid over Nonlinearly Stretching Sheet Through Porous Medium with Chemical Reaction and Thermal Radiation 2016

Imran Ullah Ilyas Khan Sharidan Shafie Ilyas Khan Sharidan Shafie

Nanoscale Research Letters , Volume 11, Article Number: 527

Impact Factor: 2.833 | **Quartile:** 2 | **Citations:** 75

DOI: 10.1186/s11671-016-1745-6

Unsteady MHD Mixed Convection Slip Flow of Casson Fluid over Nonlinearly Stretching Sheet Embedded in a Porous Medium with Chemical Reaction, Thermal Radiation, Heat Generation/Absorption and Convective Boundary Conditions 2016

Krishnendu Bhattacharyya Sharidan Shafie Ilyas Khan Imran Ullah Krishnendu Bhattacharyya Sharidan Shafie Ilyas Khan

PLoS ONE , Volume 11, Issue 10, Article Number e0165348

Impact Factor: 2.806 | **Quartile:** 1 | **Citations:** 80

DOI: 10.1371/journal.pone.0165348

Hydromagnetic Falkner-Skan flow of Casson fluid past a moving wedge with heat transfer 2016

Imran Ullah Ilyas Khan Sharidan Shafie Ilyas Khan Sharidan Shafie

Alexandria Engineering Journal , Volume 55, Issue 3, Pages 2139-2148

Impact Factor: N/A | **Citations:** 54

DOI: 10.1016/j.aej.2016.06.023

Conference Proceedings

Analysis of Carreau Fluid in MHD Natural Convection with Biot Heat Flux and Injection/Suction Effects 2024

Yeou Jiann Lim Sharena Mohamad Isa Sharidan Shafie Asma Khalid Ahmad Qushairi Bin Mohamad Imran Ullah

International Seminar on Mathematics in Industry 2024 (ISMI2024), res.country(157,)

Citations: N/A

DOI: https://doi.org/10.1007/978-3-031-85926-7

Editorial Activities

Case Studies in Thermal Engineering 2024

Reviewed Papers for Journals

Impact Factor: 6.4

Mod. Phys. Lett. B (MPLB) 2024

Reviewed Papers for Journals
Impact Factor: 1.8

Numerical Heat Transfer, Part A: Applications 2024
Reviewed Papers for Journals
Impact Factor: 2.8

Case Studies in Thermal Engineering 2024
Reviewed Papers for Journals
Impact Factor: 6.4

Nano 2024
Reviewed Papers for Journals
Impact Factor: 1.2

Case Studies in Thermal Engineering 2024
Reviewed Papers for Journals
Impact Factor: 6.8

Case Studies in Thermal Engineering 2024
Reviewed Papers for Journals
Impact Factor: 6.8

Heliyon 2024
Reviewed Papers for Journals
Impact Factor: 3.776

Chinese Journal of Physics 2024
Reviewed Papers for Journals
Impact Factor: 3.957

Case Studies in Thermal Engineering 2023
Reviewed Papers for Journals
Impact Factor: 6.268

Heliyon 2023
Reviewed Papers for Journals
Impact Factor: 4.0

Heliyon 2023
Reviewed Papers for Journals
Impact Factor: 3.776

Case Studies in Thermal Engineering 2023
Reviewed Papers for Journals
Impact Factor: 6.268

Journal of Applied Mathematics and Mechanics 2023
Reviewed Papers for Journals
Impact Factor: 1.759

Numerical Heat Transfer, Part B: Fundamentals 2023
Reviewed Papers for Journals
Impact Factor: 1.378

Numerical Heat Transfer, Part A: Applications 2023
Reviewed Papers for Journals
Impact Factor: 2.69

Results in Engineering 2023
Reviewed Papers for Journals
Impact Factor: NA

Journal of Thermouid Science and Technolog 2022
Reviewed Papers for Journals
Impact Factor: NA

Results in Engineering 2022
Reviewed Papers for Journals
Impact Factor: NA

Waves in Random and Complex Media 2022

Reviewed Papers for Journals

Impact Factor: 4.051

Waves in Random and Complex Media 2022

Reviewed Papers for Journals

Impact Factor: 4.051

2022

Reviewed Papers for Journals

Impact Factor: N/A

2022

Reviewed Papers for Journals

Impact Factor: 4.853

2021

Reviewed Papers for Journals

Impact Factor: 2.506

2021

Reviewed Papers for Journals

Impact Factor: N/A