Alia Razia Malik

Assistant Professor

Military College of Signals

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About

Dr. Alia Razia Malik is working as Assistant Professor in the Military College of Signals. Dr. Alia Razia Malik has published 31 research articles & conference papers having a citation count of 548, carried out 1 projects and filed 0 intellectual property.

Qualifications

MPhil in Linguistics 2012 - 2014
Fatima Jinnah Women University , Pakistan

Master in Language & Literature 2007 - 2009
National University of Modern Languages , Pakistan

MSc in Human & Culture Study 1994 - 1996
Quaid-i-Azam University , Pakistan

BSc in Che Zoology A Psy 1991 - 1993
University of the Punjab , Pakistan

Experience

Assistant Professor 2016- Present
Military College of Signals

Lecturer 2011 - 2016
Military College of Signals

Research Projects

National Projects

Computational Modeling of Pulsatile Magneto-Peristaltic Flow of Nanofluids with thermal radiation and Viscosity for Biomedical Pumps and Injectors 2025
Funding Agency: Institutional Funding Program Saudi- Arabia
Amount: PKR 3,780,000.00
Status: Approved_inprocess

International Projects

Research Articles

Unravelling intersectional identities: gender, ableism, and patriarchy in the Pakistani film Joyland 2025
Alia Razia Malik Zohra Fatima
Feminist Media Studies , Pages 1-17
Impact Factor: 1.600 | **Quartile:** 2
DOI: 10.1080/14680777.2025.2468904

Interaction of induced magnetic field, double diffusion convection and multiple slips for thermal radiative biological flow of six-constant Jeffreys nanofluid: Advancements in mechanics 2025
Safia Akram Khalid Saeed Maria Athar Arshad Riaz Alia Razia Malik Mushrifah A.S. Al-Malki
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DOI: 10.1080/01496395.2024.2434523

Magnetized peristaltic flow of Sisko nanofluid under thermal radiation and double-diffusive convection with viscous dissipation and slip effects in an asymmetric channel 2025

Safia Akram Khalid Saeed Maria Athar Arshad Riaz Alia Razia Malik Emad E. Mahmoud

Particulate Science and Technology , Volume 43, Issue 2, Pages 229-246

Impact Factor: 2.300 | **Quartile:** 3

DOI: https://doi.org/10.1080/02726351.2025.2450410

Enhancing retention of biological fluid transport of magnetized thermal radiative pseudoplastic nanofluid with double diffusion convection, viscous dissipation and boundary slips 2024

Safia Akram Khalid Saeed Maria Athar Arshad Riaz Alia Razia Mushrifah A. S. Al-Malki

Particulate Science and Technology , Pages: 14

Impact Factor: 2.3 | **Quartile:** 3 | **Citations:** 6

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Numerical analysis on theoretical model of magneto-Williamson nanofluid in relation to viscous dissipation, double-diffusion convection, thermal radiation and multiple slip boundaries 2024

Sardar Bilal Safia Akram Maria Athar Khalid Saeed Alia Razia Arshad Riaz

PRAMANA-Journal of Physics, Volume 98, Article Number 125

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Dissipative and Multiple Slips on Thermally Radiative Biological Fluid of Magneto-Six-Constant Jeffrey Nanofluid with Double Diffusion Convection: A Numerical Investigation 2024

Sardar Bilal Safia Akram Maria Athar Khalid Saeed Arshad Riaz Alia Razia

BioNanoScience , Pages 1-16

Impact Factor: 3.000 | **Quartile:** 3 | **Citations:** 9

DOI: https://doi.org/10.1007/s12668-024-01560-4

Numerical simulation of double diffusion convection in a six-constant Jeffrey nanofluid with an inclined magnetic field and viscous dissipation: Multiple slips and thermal radiation analysis with peristalsis 2024

Safia Akram Maria Athar Khalid Saeed Arshad Riaz Alia Razia Ghaliah Alhamzi

AIP Advances , Volume 14(7), Article Number 075229

Impact Factor: 1.400 | **Quartile:** 4 | **Citations:** 7

DOI: doi.org/10.1063/5.0219517

A computational simulation for peristaltic flow of thermally radiative sisko nanofluid with viscous dissipation, double diffusion convection and induced magnetic field 2024

Sardar Bilal Safia Akram Khalid Saeed Maria Athar Arshad Riaz Alia Razia

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DOI: https://doi.org/10.1080/10407782.2024.2335557

Impact of multiple slips on thermally radiative peristaltic transport of Sisko nanofluid with double diffusion convection, viscous dissipation, and induced magnetic field 2024

Humaira Yasmin Safia Akram Maria Athar Khalid Saeed Alia Razia J. G. Al-Juaid

Nanotechnology Reviews , Volume 13, Issue 1, Article Number 20240004

Impact Factor: 7.400 | **Quartile:** 1 | **Citations:** 9

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Mechanism of Thermally Radiative Prandtl Nanofluids and Double-Diffusive Convection in Tapered Channel on Peristaltic Flow with Viscous Dissipation and Induced Magnetic Field 2024

Yasir Khan Safia Akram Maria Athar Khalid Saeed Alia Razia A. Alameer

Computer Modelling in Engineering & Sciences, Volume 138(2), Pages 1501-1520

Impact Factor: 2.4 | **Quartile:** 2 | **Citations:** 13

DOI: DOI:10.32604/cmes.2023.029878

Role of thermal radiation and double-diffusivity convection on peristaltic flow of induced magneto-Prandtl nanofluid with viscous dissipation and slip boundaries 2023

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad

Journal of Thermal Analysis and Calarometry, Pages 1-16

Impact Factor: 4.4 | **Quartile:** 1 | **Citations:** 24

DOI: https://doi.org/10.1007/s10973-023-12643-x

Influence of an induced magnetic field on double diffusion convection for peristaltic flow of thermally radiative Prandtl nanofluid in non-uniform channel Author links open overlay panel 2023

Safia Akram Maria Athar Khalid Saeed Alia Razia

Tribology International, Volume 187, Article Number 108719

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DOI: 10.1016/j.triboint.2023.108719

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Alia Razia Malik Dr Sarwet Rasul Saadia Mumtaz

Human Nature Journal of Social Sciences, Volume 4, No. 2, Pages 734-749

Impact Factor: N/A

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Convection theory on thermally radiative peristaltic flow of Prandtl tilted magneto nanofluid in an asymmetric channel with effects of partial slip and viscous dissipation 2023

Safia Akram Khalid Saeed Maria Athar Alia Razia Anwar Hussain Iram Naz

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Yasir Khan Maria Athar Safia Akram Khalid Saeed Alia Razia A. Alameer

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Mechanism of Double-Diffusive Convection on Peristaltic Transport of Thermally Radiative Williamson Nanomaterials with Slip Boundaries and Induced Magnetic Field: A Bio-Nanoengineering Model 2023

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad Huda Ahmed Alghamdi

Nanomaterials , Volume 13, Issue 5, Article Number 941

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DOI: https://doi.org/10.3390/nano13050941

Theoretical analysis of partial slip on double-diffusion convection of Eyring-Powell nanofluids under the effects of peristaltic propulsion and inclined magnetic field 2023

Safia Akram Maria Athar Khalid Saeed Alia Razia

Journal of Magnetism and Magnetic Materials, Volume 569, Article Number 170445

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DOI: https://doi.org/10.1016/j.jmmm.2023.170445

Mathematical simulation of double diffusion convection on peristaltic pumping of Ellis nanofluid due to induced magnetic field in a non-uniform channel: Applications of magnetic nanoparticles in biomedical engineering 2023

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Khalid Saeed Safia Akram Adeel Ahmad Maria Athar Alia Razia Taseer Muhammad

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Yasir Khan Safia Akram Alia Razia Anwar Hussain H. A. Alsulaimani

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DOI: https://doi.org/10.1007/s12043-021-02287-7

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Safia Akram Alia Razia Mir Yasir Umair Tuqa Abdulrazzaq Raad Z. Homod3

Mathematical Methods in the Applied Sciences, Pages 1-18

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Slip boundaries effects on double-diffusive convection of magneto-pseudoplastic nanofluid on peristaltic flux in an inclined asymmetric channel 2021

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad Anwar Hussain

Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Pages 1-13

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DOI: https://doi.org/10.1177/09544089211063071

Hybridized consequence of thermal and concentration convection on peristaltic transport of magneto Powell– Eyring nanofluids in inclined asymmetric channel 2021

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad

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Crossbreed impact of double-diffusivity convection on peristaltic pumping of magneto Sisko nanofluids in non-uniform inclined channel: A bio-nanoengineering model 2021

Safia Akram Maria Athar Khalid Saeed Alia Razia

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Hybrid effects of thermal and concentration convection on peristaltic flow of fourth grade nanofluids in an inclined tapered channel: Applications of double-diffusivity 2021

Safia Akram Alia Razia Malik

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Zain ul Abdain Usmani Farkhanda Afzal Alia Razia Zain ul Abdain Usmani Ayesha Maqbool

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Effects of velocity second slip model and induced magnetic field on peristaltic transport of non-Newtonian fluid in the presence of double-diffusivity convection in nanofluids 2020

Safia Akram Alia Razia Malik Farkhanda Afzal

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