Safia Akram

Professor

Military College of Signals

Email: drsafiaakram@mcs.edu.pk
Contact:
LinkedIn:

About

Dr. Safia Akram is working as Professor in the Military College of Signals. Dr. Safia Akram has a PhD in Mathematics. Dr. Safia Akram has published 101 research articles & conference papers having a citation count of 2434, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics 2008 - 2011
Quaid-i-Azam University , Pakistan

MSc in Mathematics 2005 - 2007
Quaid-i-Azam University , Pakistan

BSc in Mathematics, Physics 2002 - 2004
University of the Punjab , Pakistan

Experience

Professor 2021- Present
Military College of Signals

Associate Professor 2016 - 2021
Military College of Signals

Assistant Professor 2011 - 2016
Military College of Signals

Regular Visiting Faculty 2009 - 2011
Military College of Signals

Awards

Best presentation award 2017
Recipient of Best presentation award in 19th International Conference on Applied Mathematics and Computational Mechanics (ICAMCM) 2017.

Research Productivity Awa 2015
Recipient of Research Productivity Award for the year 2015

Research Productivity Awa 2012
Recipient of Research Productivity Award for the year 2012.

Research Productivity Awa 2011
Recipient of Research Productivity Award for the year 2011.

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

Computational analysis for thermal and mass transfer in pumping flow of Ellis fluid along with solid particles: Morlet wavelet neural networks approach 2025

Muhammad Naeem Aslam Arshad Riaz Mehpara Shehzadi Safia Akram M.M. Bhatti

Engineering Applications of Artificial Intelligence, Volume 155, Article Number 111096

Impact Factor: 7.500 | **Quartile:** 1

DOI: https://doi.org/10.1016/j.engappai.2025.111096

Thermally induced cilia flow of Prandtl nanofluid under the influence of electroosmotic effects with boundary slip, 2025

Sadiq M Sait Arshad Riaz Sobia Shaheen Rahamat Ellahi Safia Akram

Journal of Taibah University for Science, Volume:19, Number: 01, Article Number:2484877, Pages:16

Impact Factor: 2.8 | **Quartile:** 2 | **Citations:** 6

DOI: https://doi.org/10.1080/16583655.2025.2484877

Peristaltic flow of electromagnetic tri-hybrid Carreau nanofluid using backpropagated Levenberg–Marquardt technique: an entropy generation analysis in blood cells 2025

Arshad Riaz Muhammad Naeem Aslam Mahreen Ali Awan Muhammad Waheed Aslam Sami Ullah Khan Safia Akram Emad E. Mahmoud

Electromagnetic Biology and Medicine, Pages 1-19

Impact Factor: 1.600 | **Quartile:** 3 | **Citations:** 2

DOI: https://doi.org/10.1080/15368378.2025.2469699

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

Separation Science and Technology, Volume 60, Issue 2, Pages 316-339

Impact Factor: 2.400 | **Quartile:** 3 | **Citations:** 3

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

DOI: https://doi.org/10.1080/02726351.2024.2412654

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

Impact Factor: 1.900 | **Quartile:** 2 | **Citations:** 7

DOI: https://doi.org/10.1007/s12043-024-02798-z

Effects of Tapering and Electro-Osmosis on Copper-Suspended Nanofluid Through a Composite Stenosed Artery with Permeable Walls: Exact Solutions 2024

Ahmed Zeeshan Arshad Riaz Asfand Javaid Tayyab Nawaz Safia Akram

Brazilian Journal of Physics, Volume 54, Article Number 195

Impact Factor: 1.500 | **Quartile:** 2 | **Citations:** 9

DOI: https://doi.org/10.1007/s13538-024-01576-x

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

A peristaltic motion for pressure driven flow of Casson nanoliquid along with gyrotactic microorganisms in an entropic porous channel: A numerical study 2024

Arshad Riaz Mehpara Shehzadi Safia Akram Ghaliah Alhamzi Emad E. Mahmoud

Materials Today Communications, Volume 40 , Article Number 109971

Impact Factor: 3.700 | **Quartile:** 2 | **Citations:** 11

DOI: https://doi.org/10.1016/j.mtcomm.2024.109971

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

Mathematical modeling of thermal transfer in a symmetric peristaltic flow of a Newtonian fluid through a curved duct with entropy generation: a microfluidics application 2024

Arshad Riaz Ayesha Siddiqa Safia Akram Tayyab Nawaz Sami Ullah Khan Shafiq Ur Rehman

International Journal of Modelling and Simulation, Pages 1-17

Impact Factor: 3.100 | **Quartile:** 1 | **Citations:** 7

DOI: https://doi.org/10.1080/02286203.2024.2363603

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

Numerical Heat Transfer, Part A: Applications, Pages 1-22

Impact Factor: 2.000 | **Quartile:** 3 | **Citations:** 8

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

DOI: https://doi.org/10.1515/ntrev-2024-0004

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

Improved model order reduction techniques with error bounds 2023

Shabana Basharat Muhammad Imran Safia Akram Abdul Wakeel Nauman Anwar Baig Asim Zaheer Ud-Din

International Journal of Systems Science, Pages 1-14

Impact Factor: 4.3 | **Quartile:** 1 | **Citations:** 2

DOI: https://doi.org/10.1080/00207721.2023.2293683

Analysis of incompressible viscous fluid flow in convergent and divergent channels with a hybrid meta-heuristic optimization techniques in ANN: An intelligent approach. 2023

ASLAM Muhammad Naeem RIAZ Arshad SHAUKAT Nadeem ALI Shahzad Safia Akram BHATTI M. M.

Journal of Central South University, Vol:30, Pages: 4149–4167

Impact Factor: 4.4 | **Quartile:** 1 | **Citations:** 19

DOI: 10.1007/s11771-023-5514-2

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

Mechanism of double diffusive convection due to magnetized Williamson nanofluid flow in tapered asymmetric channel under the influence of peristaltic propulsion and radiative heat transfer 2023

Safia Akram Maria Athar Khalid Saeed Mir Yasir Umair Taseer Muhammad

International Journal of Numerical Methods for Heat & Fluid Flow, Pages 1-22

Impact Factor: 4.2 | **Quartile:** 1 | **Citations:** 22
DOI: https://doi.org/10.1108/HFF-04-2023-0169

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
Impact Factor: 6.2 | **Quartile:** 1 | **Citations:** 43
DOI: 10.1016/j.triboint.2023.108719

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
Materials Today Communications, Volume 35, Article Number 106171
Impact Factor: 3.662 | **Quartile:** 3 | **Citations:** 25
DOI: 10.1016/j.mtcomm.2023.106171

Roll of partial slip on Ellis nanofluid in the proximity of double diffusion convection and tilted magnetic field: Application of Chyme movement 2023

Yasir Khan Maria Athar Safia Akram Khalid Saeed Alia Razia A. Alameer
Heliyon , Volume 9, Issue 4, Article Number e14760
Impact Factor: 3.776 | **Quartile:** 2 | **Citations:** 20
DOI: https://doi.org/10.1016/j.heliyon.2023.e14760

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
Impact Factor: 5.3 | **Quartile:** 1 | **Citations:** 25
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
Impact Factor: 3.097 | **Quartile:** 3 | **Citations:** 21
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

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad Huda Ahmed Alghamdi
Journal of Magnetism and Magnetic Materials, Volume 569, Article Number 170408
Impact Factor: 3.097 | **Quartile:** 3 | **Citations:** 25
DOI: https://doi.org/10.1016/j.jmmm.2023.170408

Hybrid double-diffusivity convection and induced magnetic field effects on peristaltic waves of Oldroyd 4-constant nanofluids in non-uniform channel 2023

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad Anwar Hussain
Alexandria Engineering Journal, Volume 65, Pages 785-796
Impact Factor: 6.626 | **Quartile:** 1 | **Citations:** 36
DOI: https://doi.org/10.1016/j.aej.2022.10.039

Outcomes of Partial Slip on Double-Diffusive Convection on Peristaltic Waves of Johnson–Segalman Nanofluids Under the Impact of Inclined Magnetic Field 2023

Khalid Saeed Safia Akram Adeel Ahmad
Arabian Journal for Science and Engineering, Pages 1-17
Impact Factor: 2.807 | **Quartile:** 2 | **Citations:** 25
DOI: https://doi.org/10.1007/s13369-023-07706-y

Radio Frequency Identification Temperature/CO2 Sensor Using Carbon Nanotubes 2023

Ayesha Habib Safia Akram Mohamed R. Ali Taseer Muhammad Sajeela Zainab Shafia Jehangir
Nanomaterials , Volume 13(2), Article Number 273
Impact Factor: 5.3 | **Quartile:** 1 | **Citations:** 12
DOI: https://doi.org/10.3390/nano13020273

Theoretical investigation of double diffusion convection of six constant Jeffreys nanofluid on waves of peristaltic with induced magnetic field: a bio-nano-engineering model 2022

Safia Akram Maria Athar Khalid Saeed Alia Razia Taseer Muhammad

Waves in Random and Complex Media, Pages 1-21

Impact Factor: 4.051 | **Quartile:** 2 | **Citations:** 22

DOI: https://doi.org/10.1080/17455030.2022.2134600

Impact of slip boundaries on double diffusivity convection in an asymmetric channel with magneto-tangent hyperbolic nanofluid with peristaltic flow 2022

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

ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik, Pages 1-15, Article Number e202100338

Impact Factor: 1.759 | **Quartile:** 2 | **Citations:** 27

DOI: https://doi.org/10.1002/zamm.202100338

Consequence of Double-Diffusion Convection and Partial Slip on Magneto-Oldroyd-4 Constants Nanofluids with Peristaltic Propulsion in an Asymmetric Channel 2022

Maria Athar Yasir Khan Safia Akram Khalid Saeed A. Alameer Anwar Hussain

Complexity , Volume 2022, Article ID 7634357, 20 pages

Impact Factor: 2.121 | **Quartile:** 2 | **Citations:** 14

DOI: https://doi.org/10.1155/2022/7634357

Effects of Double Diffusive Convection and Inclined Magnetic Field on the Peristaltic Flow of Fourth Grade Nanofluids in a Non-Uniform Channel 2022

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

Nanomaterials , Volume 12(17), Article Number 3037

Impact Factor: 5.719 | **Quartile:** 1 | **Citations:** 33

DOI: https://doi.org/10.3390/nano12173037

Impact of Partial Slip on Double Diffusion Convection of Sisko Nanofluids in Asymmetric Channel with Peristaltic Propulsion and Inclined Magnetic Field 2022

Safia Akram Maria Athar Khalid Saeed Alia Razia Metib Alghamdi Taseer Muhammad

Nanomaterials , Volume 12(16), Article Number 2736

Impact Factor: 5.719 | **Quartile:** 1 | **Citations:** 28

DOI: https://doi.org/10.3390/nano12162736

The role of double-diffusion convection and induced magnetic field on peristaltic pumping of a johnson–segalman nanofluid in a non-uniform channel 2022

Yasir Khan Safia Akram Maria Athar Khalid Saeed Taseer Muhammad Anwar Hussain Muhammad Imran H. A. Alsulaimani

Nanomaterials , Volume 12(7), Article Number 1051

Impact Factor: 5.076 | **Quartile:** 2 | **Citations:** 28

DOI: https://doi.org/10.3390/nano12071051

Impact of partial slip on double diffusion convection and inclined magnetic field on peristaltic wave of six-constant Jeffreys nanofluid along asymmetric channel 2022

Khalid Saeed Safia Akram Adeel Ahmad Maria Athar Muhammad Imran Taseer Muhammad

European Physical Journal Plus, Volume 137, Article Number: 364

Impact Factor: 3.911 | **Quartile:** 1 | **Citations:** 25

DOI: https://doi.org/10.1140/epjp/s13360-022-02553-6

Nanomaterials effects on induced magnetic field and double-diffusivity convection on peristaltic transport of Prandtl nanofluids in inclined asymmetric channel 2022

Safia Akram Maria Athar Khalid Saeed Mir Yasir Umair

Nanomaterials and Nanotechnology , Volume 12, Pages 1-10

Impact Factor: 3.116 | **Quartile:** 2 | **Citations:** 22

DOI: https://doi.org/10.1177/18479804211048630

Impact of slip on nanomaterial peristaltic pumping of magneto-Williamson nanofluid in an asymmetric channel under double-diffusivity convection 2022

Safia Akram Maria Athar Khalid Saeed Alia Razia

Pramana , Volume 96, Article Number 57

Impact Factor: 2.219 | **Quartile:** 2 | **Citations:** 19

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

Double-diffusive convection on peristaltic flow of hyperbolic tangent nanofluid in non-uniform channel with induced magnetic field 2022

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

Mathematical Methods in the Applied Sciences, Pages 1-18

Impact Factor: 2.321 | **Quartile:** 1 | **Citations:** 19

DOI: https://doi.org/10.1002/mma.8188

Slip impact on double-diffusion convection of magneto-fourth-grade nanofluids with peristaltic propulsion through inclined asymmetric channel 2022

Safia Akram Maria Athar Khalid Saeed Muhammad Imran Taseer Muhammad

Journal of Thermal Analysis and Calorimetry, Pages 1-14

Impact Factor: 4.4 | **Quartile:** 1 | **Citations:** 15

DOI: https://doi.org/10.1007/s10973-021-11150-1

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

Impact Factor: 1.620 | **Quartile:** 3 | **Citations:** 5

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

Numerical simulation of effects of Soret and Dufour parameters on the peristaltic transport of a magneto six-constant Jeffreys nanofluid in a non-uniform channel: a bio-nanoengineering model 2021

Safia Akram Maria Athar Khalid Saeed

European Physical Journal-Special Topics, Pages 1-9

Impact Factor: 2.707 | **Quartile:** 2 | **Citations:** 25

DOI: https://doi.org/10.1140/epjs/s11734-021-00348-x

Partial Slip Impact on Double Diffusive Convection Flow of Magneto-Carreau Nanofluid through Inclined Peristaltic Asymmetric Channel 2021

Safia Akram Maria Athar Khalid Saeed Taseer Muhammad Mir Yasir Umair

Mathematical Problems in Engineering, Volume 2021, Article ID 2475846, 14 pages

Impact Factor: 1.430 | **Quartile:** 3 | **Citations:** 5

DOI: https://doi.org/10.1155/2021/2475846

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

Mathematical Methods in the Applied Sciences, Pages 1-17

Impact Factor: 2.321 | **Quartile:** 1 | **Citations:** 27

DOI: https://doi.org/10.1002/mma.7843

Double-diffusive convection with peristaltic wave in Sisko fluids along with inclined magnetic field and channel 2021

Safia Akram Maria Athar Khalid Saeed Mir Yasir Umair

Waves in Random and Complex Media, Pages 1-23

Impact Factor: 4.853 | **Quartile:** 1 | **Citations:** 4

DOI: https://doi.org/10.1080/17455030.2021.1983238

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

Science Progress , Volume 104(3), Pages 1–23

Impact Factor: 1.512 | **Quartile:** 3 | **Citations:** 14

DOI: https://doi.org/10.1177/00368504211033677

Enhanced Fingerprinting Based Indoor Positioning Using Machine Learning 2021

Waleed Pasha Mir Yasir Umair Alina Mirza Rao Muhammad Faizan Gull Safia Akram Fazli Subhan Wazir Zada Khan Abdul Wakeel

CMC-Computers, Materials & Continua, Volume 69, No.2, Pages 1631-1652

Impact Factor: 3.860 | **Quartile:** 2 | **Citations:** 5

DOI: 10.32604/cmc.2021.018205

Hybrid impact of thermal and concentration convection on peristaltic pumping of Prandtl nanofluids in non-uniform inclined channel and magnetic field 2021

Safia Akram Maria Athar Khalid Saeed

Case Studies in thermal Engineering, Volume 25, Article Number 100965

Impact Factor: 6.268 | **Quartile:** 1 | **Citations:** 57

DOI: https://doi.org/10.1016/j.csite.2021.100965

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

CMES-Computer Modeling in Engineering and Sciences , Volume 127, No.3, Pages 901-922

Impact Factor: 2.027 | **Quartile:** 2 | **Citations:** 15

DOI: doi:10.32604/cmes.2021.014469

Double-diffusivity convection on Powell-Eyring nanofluids in non-uniform inclined channel under the impact of peristaltic propulsion and induced magnetic field 2021

Safia Akram Maria Athar Khalid Saeed Mir Yasir Umair

European Physical Journal Plus , Volume 136, Article Number 494

Impact Factor: 3.758 | **Quartile:** 2 | **Citations:** 18

DOI: https://doi.org/10.1140/epjp/s13360-021-01506-9

Impact of partial slip and lateral walls on peristaltic transport of a couple stress fluid in a rectangular duct 2021

Safia Akram Najma Saleem Mir Yasir Umair Sufian Munawar

Science Progress , Volume 104(2), Pages 1-17

Impact Factor: 1.512 | **Quartile:** 3 | **Citations:** 11

DOI: 10.1177/00368504211013632

Characteristic sets verses generalized characteristic sets 2021

Safia Akram Muhammad Ashiq Deeba Afzal Murat Cancan Suleyman Ediz Farkhanda Afzal

Journal of Discrete Mathematical Sciences and Cryptography, Volume 24, Issue 2, Pages 439-450

Impact Factor: - | **Citations:** 3

DOI: https://doi.org/10.1080/09720529.2021.1882160

On Stokes' second problem for Burgers' fluid over a plane wall 2021

Safia Akram Asia Anum Masood Khan Anwar Hussain

Journal of Applied and Computational Mechanics, Volume 7, Issue 3, Pages 1514-1526

Impact Factor: - | **Citations:** 9

DOI: 10.22055/JACM.2020.35227.2603

Thermal and concentration convection in nanofluids for peristaltic flow of magneto couple stress fluid in a nonuniform channel 2021

Safia Akram Qamar Afzal R. Ellahi Sadiq M. Sait Faryal Chaudhry

Journal of Thermal Analysis and Calorimetry, Pages 1-16

Impact Factor: 4.755 | **Quartile:** 1 | **Citations:** 32

DOI: https://doi.org/10.1007/s10973-020-10340-7

Half-breed effects of thermal and concentration convection of peristaltic pseudoplastic nanofluid in a tapered channel with induced magnetic field 2020

Safia Akram Qamar Afzal Emad H. Aly

Case Studies in Thermal Engineering, Volume 22, Article Number 100775

Impact Factor: 4.724 | **Quartile:** 1 | **Citations:** 50

DOI: https://doi.org/10.1016/j.csite.2020.100775

Effects of thermal and concentration convection and induced magnetic field on peristaltic flow of Williamson nanofluid in inclined uniform channel 2020

Safia Akram Qamar Afzal

European Physical Journal Plus , Volume 135, Article Number 857

Impact Factor: 3.911 | **Quartile:** 1 | **Citations:** 40

DOI: https://doi.org/10.1140/epjp/s13360-020-00869-9

Impact of double-diffusivity convection in nanofluids and induced magnetic field on peristaltic pumping of a Carreau fluid in a tapered channel with different wave forms 2020

Safia Akram Qamar Afzal Qamar Afzal

Journal of Thermal Analysis and Calorimetry, Pages 1-22

Impact Factor: 4.626 | **Quartile:** 1 | **Citations:** 21

DOI: https://doi.org/10.1007/s10973-020-09776-8

Analysis of heating effects and different wave forms on peristaltic flow of Carreau fluid in rectangular duct 2020

Safia Akram Najma Saleem Najma Saleem

Advances in Mathematical Physics, Volume 2020, Article ID 8294318, 14 pages

Impact Factor: 1.128 | **Quartile:** 3 | **Citations:** 18
DOI: https://doi.org/10.1155/2020/8294318

Impact of nanofluids and magnetic field of the peristaltic transport of a couple stress fluid in an asymmetric channel with different wave forms 2020

Farkhanda Afzal Safia Akram Qamar Afzal

Thermal Science , Volume 24, Issue 2 Part B, Pages: 1407-1422

Impact Factor: 1.625 | **Quartile:** 4 | **Citations:** 11
DOI: https://doi.org/10.2298/TSCI190720389A

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

Archive of Applied Mechanics, Pages 1-21

Impact Factor: 1.976 | **Quartile:** 3 | **Citations:** 49
DOI: 10.1007/s00419-020-01685-4

Impact of Velocity Second Slip and Inclined Magnetic Field on Peristaltic Flow Coating with Jeffrey Fluid in Tapered Channel 2020

Safia Akram Farkhanda Afzal Najma Saleem Emad H. Aly Anwar Hussain

Coatings , Volume 10(1), Article Number 30

Impact Factor: 2.881 | **Quartile:** 2 | **Citations:** 21
DOI: doi:10.3390/coatings10010030

Influence of metachronal wave on hyperbolic tangent fluid model with inclined magnetic field 2019

Safia Akram Farkhanda Afzal Muhammad Imran

International Journal of Geometric Methods in Modern Physics, Volume 16, Issue 9, Article Number 1950139

Impact Factor: 1.287 | **Quartile:** 3 | **Citations:** 8
DOI: 10.1142/S0219887819501391

Effect of the Variable Viscosity on the Peristaltic Flow of Newtonian Fluid Coated with Magnetic Field: Application of Adomian Decomposition Method for Endoscope 2019

Safia Akram Farkhanda Afzal Emad H. Aly Sohail Nadeem

Coatings , Volume: 9 Issue: 8

Impact Factor: 2.436 | **Quartile:** 2 | **Citations:** 15
DOI: 10.3390/coatings9080524

Peristaltic transport of a Jeffrey fluid with double-diffusive convection in nanofluids in the presence of inclined magnetic field 2018

Safia Akram M. Zafar S. Nadeem

International Journal Of Geometric Methods In Modern Physics, Volume 15, No. 11, Article Number 1850181

Impact Factor: 1.022 | **Quartile:** 3 | **Citations:** 37
DOI: 10.1142/S0219887818501815

Particulate suspension slip flow induced by peristaltic waves in a rectangular duct: Effect of lateral walls 2018

Kh.S. Mekheimer Y. Abd elmaboud Safia Akram

Alexandria Engineering Journal , Volume 57, Issue 1, Pages 407-414

Impact Factor: 3.696 | **Quartile:** 1 | **Citations:** 33
DOI: https://doi.org/10.1016/j.aej.2016.09.011

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Impact Factor: N/A

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Edited Journal Issue / Proceeding / Book
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Reviewed Papers for Journals
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Reviewed Papers for Journals
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Impact Factor: NA

2020

Reviewed Papers for Journals
Impact Factor: 1.574

2020

Reviewed Papers for Journals
Impact Factor: -

2020

Reviewed Papers for Journals
Impact Factor: -

2020

Reviewed Papers for Journals

2020

Reviewed Papers for Journals
Impact Factor: 1.424

2020

Reviewed Papers for Journals
Impact Factor: 4.664

2020

Reviewed Papers for Journals
Impact Factor: 4.664

2019

Reviewed Papers for Journals
Impact Factor: 0.933