Noreen Sher Akbar

Professor

College of Electrical & Mechanical Engineering

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LinkedIn: N.A

About

Dr. Noreen Sher Akbar is working as Professor in the College of Electrical & Mechanical Engineering. Dr. Noreen Sher Akbar has a PhD in Mathematics. Dr. Noreen Sher Akbar has published 351 research articles & conference papers having a citation count of 13246, carried out 5 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics 2008 - 2012
Quaid-i-Azam University , Pakistan

MPhil in Applied Mathematics 2006 - 2008
Quaid-i-Azam University , Pakistan

MSc in Applied Mathematics 2004 - 2006
Quaid-i-Azam University , Pakistan

BSc in Mathematics A, Mathematics B, Statistics 2002 - 2004
University of the Punjab , Pakistan

Experience

Professor 2024- Present
College of Electrical & Mechanical Engineering

Professor 2022 - 2012
College of Electrical & Mechanical Engineering

Associate Professor 2018 - 2025
College of Electrical & Mechanical Engineering

Assistant Professor 2012 - 2018
College of Electrical & Mechanical Engineering

Assistant Professor 2012 - 2022
College of Electrical & Mechanical Engineering

Awards

Selectd for women leadership in higher study tour Chort II 2023
Leadership in higher education

High Achiever NUST 2022
High Performance Faculty

Top 2% Scientist of the world 2022
Top performing Scientist

Top 2% Scientist of the world 2021
Top performing Scientist

Best researche CEME 2021
Best researcher

Top 2% Scientist of the world 2020
Top performing Scientist

Top 2% Scientist of the world 2019
Top performing Scientist

I.O.S.R.D 2018
Top Scientific Research

Raziuddin Gold Medal of Mathematics 2017
Top performing Mathematician

Top cited article 2016
Best article performance

Top Nano Scientist 2016
Top performing Scientist

Top cited article 2015
Best article performance

Best Researcher 2014
Best researcher

Best researche CEME 2014
Best researcher

Research Productivity award 2014
Best productive scientists

Best researcher 2014
Best researcher

Research Productivity award 2013
Best productive scientists

Best Researcher 2013
Best researcher

Best Youngest Scientist 2012
Best young researcher

Research Projects

National Projects

Energy Conservation and Entropy Generation Rate for Peristaltic Flow With the Interaction of Nanoparticles 2017

Funding Agency: HEC
Amount: PKR 2,300,000.00
Status: Completed

Peristaltic flows of nano fluids with different flow geometries 2014

Funding Agency: HEC
Amount: PKR 1,432,000.00
Status: Completed

Energy Conservation and Entropy Generation Rate for Peristaltic Flow With the Interaction of Nanoparticles 2017

Funding Agency: HEC
Amount: PKR 1,560,000.00
Status: Completed

Fluid flow analysis with addition of nanoparticles by means of contraction and expansion 2017

Funding Agency: HEC
Amount: PKR 346,000.00
Status: Completed

Analyzing the effects of Nanoparticles Thermal Conductivity on the flow and heat transfer characteristics of fluid 2017

Funding Agency: HEC
Amount: PKR 506,000.00
Status: Completed

International Projects

Research Articles

Nano particle distribution in blood via electroosmotic peristaltic flow in a non-uniform wavy membrane base capillaries 2024

Noreen Sher Akbar E.N.Maraj Syed Irfan Shah Taseer Muhammad

Sensors and Actuators A: Physical, Volume:376, Article Number:115626

Impact Factor: 4.1 | **Quartile:** 1 | **Citations:** 24
DOI: 10.1016/j.sna.2024.115626

Computational study on cilia transport of Prandtl nanofluid (blood-Fe3O4) enhancing convective heat transfer along microorganisms under electroosmotic effects in wavy capillaries 2024

Madiha Ajmal Rashid Mehmood Noreen Sher Akbar Taseer Muhammad

International Journal of Numerical Methods for Heat & Fluid Flow, Pages 1-25

Impact Factor: 4.000 | **Quartile:** 1 | **Citations:** 4
DOI: https://doi.org/10.1108/HFF-07-2024-0503

Simulation of hybrid boiling nano fluid flow with convective boundary conditions through a porous stretching sheet through Levenberg Marquardt artificial neural networks approach 2024

Noreen Sher Akbar Tayyab Zamir Javaria Akram Tayyaba Noor Taseer Muhammad

International Journal of Heat and Mass Transfer, Volume 228, Article Number 125615

Impact Factor: 5.200 | **Quartile:** 1 | **Citations:** 78
DOI: 10.1016/j.ijheatmasstransfer.2024.125615

Numerical exploration of electroosmotically regulated squeezing rotating flow of TiO2/water nanofluid in a parallel plate channel under triple diffusion convection 2024

Javaria Akram Noreen Sher Akbar Hina Pervaiz Rashid Mehmood

Physica Scripta, Volume 99, Issue 7, Article Number 075249

Impact Factor: 2.600 | **Quartile:** 2 | **Citations:** 1
DOI: https://doi.org/10.1088/1402-4896/ad56d7

Biological structural study for the blood casson fluid flow in catheterized diverging tapered stenosed arteries with emerging shaped nanoparticles: application in drug delivery 2024

Noreen Sher Akbar Maimona Rafiq Taseer Muhammad Metib Alghamdi

Microfluidics and Nanofluidics, Volume 28, Article Number 40

Impact Factor: 2.80 | **Quartile:** 2 | **Citations:** 14
DOI: doi.org/10.1007/s10404-024-02735-x

Propulsive study of blood flow with heat transfer enhancement connection to ferro copper magnetized nanoparticles in converging tapered stenosed arterial surface 2024

Noreen Sher Akbar Maimona Rafiq Taseer Muhammad Metib Alghamdi

International Journal of Modern Physics B, Article Number 2550055

Impact Factor: 1.700 | **Quartile:** 2
DOI: 10.1142/S0217979225500559

Levenberg-Marquardt technique analysis of thermal and concentration storage in cone-disk apparatus with neural network-enhancement 2024

Noreen Sher Akbar Tayyab Zamir Taseer Muhammad

Thermal Science and Engineering Progress, Volume 50, Article Number: 102529

Impact Factor: 4.8 | **Quartile:** 1 | **Citations:** 30
DOI: 10.1016/j.tsep.2024.102529

Hybrid nanofluid flow and heat transfer in symmetric porous ducts with CuO nanoparticles and multi-walled carbon nanotubes under peristaltic motion 2024

Noreen Sher Akbar Javaria Akram M. Fiaz Hussain E.N.Maraj Taseer Muhammad

Modern Physics Letters B, Volume 2024, Article Number 2450333

Impact Factor: 1.900 | **Quartile:** 2 | **Citations:** 22
DOI: DOI: 10.1142/S0217984924503330

Thermal storage study and enhancement of heat transfer through hybrid Jeffrey nanofluid flow in ducts under peristaltic motion with entropy generation 2024

Noreen Sher Akbar Javaria Akram M. Fiaz Hussain E.N.Maraj Taseer Muhammad

Thermal Science and Engineering Progress, Volume:49, Article Numebr: 102463

Impact Factor: 4.8 | **Quartile:** 1 | **Citations:** 50
DOI: 10.1016/j.tsep.2024.102463

Double layered combined convective heated flow of Eyring-Powell fluid across an elevated stretched cylinder using intelligent computing approach 2024

Metib Aghamdi Noreen Sher Akbar Tayyab Zamir Taseer Muhammad

Case Studies in Thermal Engineering, Volume 54, Article Number: 104009

Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 76
DOI: 10.1016/j.csite.2024.104009

Biological structural study of emerging shaped nanoparticles for the blood flow in diverging tapered stenosed arteries to see their application in drug delivery 2024

Noreen Sher Akbar M. Bilal Habib Maimona Rafiq Taseer Muhammad Metib Aghamdi

Scientific Report, Volume 142, Article Number: 1475

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 19
DOI: 10.1038/s41598-024-51848-4

Microbic flow analysis of nano fluid with chemical reaction in microchannel with flexural walls under the effects of thermophoretic diffusion 2024

Noreen Sher Akbar Maimona Rafiq Taseer Muhammad Metib Alghamdi

Scientific Report, Volume 142, Article Number: 1474

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 18
DOI: 10.1038/s41598-023-50915-6

Electro osmotically interactive biological study of thermally stratified micropolar nanofluid flow for Copper and Silver nanoparticles in a microchannel 2024

Noreen Sher Akbar Maimona Rafiq Taseer Muhammad Metib Alghamdi

Scientific Reports, Volume: 14, Article number: 518

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 60
DOI: doi.org/10.1038/s41598-023-51017-z

Thermal synthesize of shear thinning nanofluid in small flexible vessel type channel with low seepage Reynold number and Au nanoparticles 2024

Noreen Sher Akbar M. Fiaz Hussain Taseer Muhammad Metib Alghamdi

Case Studies in Thermal Engineering, Volume 53, Article Number 103932

Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 14

DOI: https://doi.org/10.1016/j.csite.2023.103932

Thermal characteristics of magnetized hybrid Casson nanofluid flow in a converging–diverging channel with radiative heat transfer: a computational analysis 2023

Noreen Sher Akbar M. Fiaz Hussain Taseer Muhammad Metib Alghamdi

Scientific Reports , Volume 13, Issue 1, Article Number 21891

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 9

DOI: https://doi.org/10.1038/s41598-023-49397-3

Physical aspects of electro osmotically interactive Cilia propulsion on symmetric plus asymmetric conduit flow of couple stress fluid with thermal radiation and heat transfer 2023

Noreen Sher Akbar Taseer Muhammad

Scientiíc Reports , Volume 13, Article Number 18491

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 35

DOI: https://doi.org/10.1038/s41598-023-45595-1

Peristaltic flow analysis of thermal engineering nano model with effective thermal conductivity of different shape nanomaterials assessing variable fluid properties 2023

Noreen Sher Akbar Abbasali Abouei Mehrizi Maimona Rafiq M. Bilal Habib Taseer Muhammad

Alexandria Engineering Journal , Volume 81, Pages 395-404

Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 29

DOI: https://doi.org/10.1016/j.aej.2023.09.027

Numerically hydrothermal fully developed forced convective hybrid nanofluid flow through annular sector duct 2023

Farhan Ahmed Noreen Sher Akbar Dharmendra Tripathi

Modern Physics Letters B , Article Number 2450029 (23 pages)

Impact Factor: 1.9 | **Quartile:** 2 | **Citations:** 7

DOI: 10.1142/S0217984924500295

Thermodynamic study of hybrid nanofluid to explore synergistic effects of multiple ferromagnetic nanoparticles in co-axial disks for magnetized fluid 2023

Metib Alghamdi Noreen Sher Akbar M. Fiaz Hussain Salman Akhtar Taseer Muhammad

Tribology International , Volume 188, Article Number 108867

Impact Factor: 6.2 | **Quartile:** 1 | **Citations:** 12

DOI: https://doi.org/10.1016/j.triboint.2023.108867

Biological analysis of emerging nanoparticles with blood through propagating flow along a plumb porous canal in the occurrence of energy and heat transfer 2023

Noreen Sher Akbar Khalid Y. Ghailan Ashwag Albakri Mohammed M. Alshehri

Surfaces and Interfaces , Volume 40, Article Number: 103013

Impact Factor: 6.2 | **Quartile:** 1 | **Citations:** 61

DOI: 10.1016/j.surfin.2023.103013

Thermal enhancement of nano-fluidic transport confined between disk and cone both rotating with distinct angular velocities and heat transfer 2023

E.N. Maraj Noreen Sher Akbar Nabeela Kousar Iffat Zahra Taseer Muhammad

International Journal of Numerical Methods for Heat & Fluid Flow, Pages 1-21

Impact Factor: 4.2 | **Quartile:** 1 | **Citations:** 11

DOI: DOI 10.1108/HFF-04-2023-0182

Electroosmotically actuated peristaltic-ciliary flow of propylene glycol + water conveying titania nanoparticles 2023

Javaria Akram Noreen Sher Akbar

Scientific Reports , Volume 13, Issue 1, Article Number 11801

Impact Factor: 4.6 | **Quartile:** 2 | **Citations:** 54

DOI: 10.1038/s41598-023-38820-4

Thermally progressive Particle-Cu/Blood peristaltic transport with mass transfer in a Non-Uniform Wavy Channel: Closed-form exact solutions 2023

Noreen Sher Akbar E.N. Maraj Syed Irfan Shah Taseer Muhammad

Alexandria Engineering Journal , Volume 74, Pages 453-466

Impact Factor: 6.262 | **Quartile:** 1 | **Citations:** 62

DOI: 10.1016/j.aej.2023.05.056

Electro-osmotically modulated magneto hydrodynamic peristaltic flow of menthol based nanofluid in a uniform channel with shape factor 2023

Noreen Sher Akbar E.N. Maraj Iffat Zahra A.W. Butt Huda Ahmed Alghamdi

Journal of Magnetism and Magnetic Materials, Volume:576, Article Number:170774

Impact Factor: 3.097 | **Quartile:** 3 | **Citations:** 32

DOI: 10.1016/j.jmmm.2023.170774

Dynamics of Soret-Dufour effects and thermal aspects of Joule heating in multiple slips Casson-Williamson nanofluid 2023

Usman Ali Muhammad Irfan Noreen Sher Akbar Khalil Ur Rehman Wasfi Shatanawi

International Journal of Modern Physics B, Pages 1-21

Impact Factor: 1.7 | **Quartile:** 2 | **Citations:** 13

DOI: DOI: 10.1142/S0217979224502060

Analytical Investigation of Electroosmotically Regulated Peristaltic Propulsion of Cu-water Nanofluid Through a Microtube 2023

Adil Wahid Butt Noreen Sher Akbar Dharmendra Tripathi Javaria Akram

Iraqi Journal of Science, Vol. 64, No. 5, pp: 2354-2367

Impact Factor: 0 | **Citations:** 11

DOI: 10.24996/ijs.2023.64.5.21

Thermal stratification effect on gravity driven transport of hybrid CNTs down a stretched surface through porous medium 2023

Noreen Sher Akbar Faisal Z. Duraihem E.N. Maraj Rashid Mehmood

Heliyon , Volume: 9, Issue: 5, Article Number: e15699

Impact Factor: 3.776 | **Quartile:** 2 | **Citations:** 17

DOI: 10.1016/j.heliyon.2023.e15699

Hydro-dynamically and thermally fully developed flow analysis of magneto-hydrodynamic fluid through annular duct 2023

Farhan Ahmed Noreen Sher Akbar Dharmendra Tripathi

International Journal of Modern Physics B, Pages 1-20

Impact Factor: 1.7 | **Quartile:** 2 | **Citations:** 3

DOI: DOI: 10.1142/S021797922450098X

Electroosmotically augmented peristaltic flow of carbon nanotubes based nanofluid through asymmetrical channel 2023

Noreen Sher Akbar Zafar Hayat Khan Javaria Akram Muhammad Hamid Yangjiang Wei

ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik, Journal

Impact Factor: 1.759 | **Quartile:** 2 | **Citations:** 25

DOI: 10.1002/zamm.202100354

Variable fluid properties analysis for thermally laminated 3-dimensional magnetohydrodynamic non-Newtonian nanofluid over a stretching sheet 2023

Noreen Sher Akbar A. Al-Zubaidi S. Saleem Shami A. M. Alsallami

Scientific Reports , Volume:13, Issue:1, Article number: 3231

Impact Factor: 4.997 | **Quartile:** 2 | **Citations:** 23

DOI: 10.1038/s41598-023-30233-7

Mixed convective eyring-powell ferro magnetic nanofluid flow suspension towards a stretching surface with buoyancy effects through numerical analysis 2023

Faisal Z. Duraihem Noreen Sher Akbar Salman Saleem

Frontiers in Materials, Volume 10 , Article Number 1109755

Impact Factor: 3.985 | **Quartile:** 2 | **Citations:** 3

DOI: 10.3389/fmats.2023.1109755

Numerical analysis of non-Newtonian nanofluids under double-diffusive regimes 2023

Noreen Sher Akbar Fouad Othman Mallawi

Frontiers in Materials, Volume 9, Article Number 1078467

Impact Factor: 3.985 | **Quartile:** 2 | **Citations:** 6

DOI: DOI 10.3389/fmats.2022.1078467

Metachronal wave form analysis on cilia-driven flow of non-Newtonain Phan–Thien–Tanner fluid model: A physiological mathematical model 2022

Noreen Sher Akbar Salman Akhtar

Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, Pages 1-7

Impact Factor: 1.822 | **Quartile:** 3 | **Citations:** 22

DOI: DOI: 10.1177/09544089221140703

Thermally conductive electro-osmotic propulsive pressure-driven peristaltic streaming flow study with a suspended nanomaterial in a micro-ciliated tube 2022

Adil Wahid Butt Noreen Sher Akbar Rashid Mehmood Shahid Farooq

Frontiers in Materials, Volume 9, Article Number 1059816

Impact Factor: 3.985 | **Quartile:** 2 | **Citations:** 16

DOI: 10.3389/fmats.2022.1059816

Numerical study of the thermally stratified hemodynamic nanofluid flow with variable viscosity over a heated wedge 2022

Noreen Sher Akbar

Frontiers in Chemistry, Volume 10, Article Number 1021303

Impact Factor: 5.545 | **Quartile:** 2 | **Citations:** 3

DOI: 10.3389/fchem.2022.1021303

Mathematical Modeling of Aphron Drilling nanofluid Driven by Electroosmotically Modulated Peristalsis Through a Pipe 2022

Javaria Akram Noreen Sher Akbar

Mathematical Modelling Natural Phenomena , Volume 17, Article Number 19

Impact Factor: 3.117 | **Quartile:** 1 | **Citations:** 12

DOI: https://doi.org/10.1051/mmnp/2022012

Analysis of electroosmotic flow of silver-water nanofluid regulated by peristalsis using two different approaches for nanofluid 2022

Noreen Sher Akbar Javaria Akram DharmendraTripathi

Journal of Computational Science, Volume 62, Article Number 101696

Impact Factor: 3.976 | **Quartile:** 1 | **Citations:** 66

DOI: https://doi.org/10.1016/j.jocs.2022.101696

Exact solutions of an unsteady thermal conductive pressure driven peristaltic transport with temperature-dependent nanofluid viscosity 2022

Noreen Sher Akbar E. N. Maraj N. F. M. Noor M Bilal Habib

Case Studies in Thermal Engineering, Volume 35, Article Number 102124

Impact Factor: 4.724 | **Quartile:** 1 | **Citations:** 49

DOI: 10.1016/j.csite.2022.102124

Electroosmotically modulated peristaltic propulsion of TiO2/10W40 nanofluid in curved microchannel 2022

Noreen Sher Akbar Javaria Akram Monairah Alansari Dharmendra Tripathid

International Communications in Heat and Mass Transfer, Volume 136, Article Number 106208

Impact Factor: 6.782 | **Quartile:** 1 | **Citations:** 60

DOI: https://doi.org/10.1016/j.icheatmasstransfer.2022.106208

Rotatory flow of MHD (MoS2-SiO2)/H2O hybrid nanofluid in a vertical channel owing to velocity slip and thermal periodic conditions 2022

Noreen Sher Akbar E. N. Maraj Iffat Zehra

Colloids and Surfaces A: Physicochemical and Engineering Aspects, Volume 639, Article Number 128383

Impact Factor: 4.539 | **Quartile:** 2 | **Citations:** 36

DOI: 10.1016/j.colsurfa.2022.128383

Entropy generation in electroosmotically aided peristaltic pumping of MoS2 Rabinowitsch nanofluid 2022

Noreen Sher Akbar Javaria Akram Dharmendra Tripathi

Fluid Dynamics Research, Volume 54, Number 1, Article Number 015507

Impact Factor: 1.067 | **Quartile:** 4 | **Citations:** 26

DOI: https://doi.org/10.1088/1873-7005/ac4e7b

Heat Transfer Analysis of MHD Viscous Fluid in A Ciliated Tube with Entropy Generation 2021

Noreen Sher Akbar Salman Akhtar E.N. Maraj Ali E. Anqi

Mathematical Methods in the Applied Sciences, Pages 1-14

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

DOI: 10.22541/au.162236460.08205709/v1

A comparative study of serological diagnosis of Dengue outbreak 2019 2021

Muhammad Bilal Habib Noreen Sher Akbar Anber Saleem

African Health Sciences , Volume 21, No. 3, Pages 1117-1123

Impact Factor: 0.927 | **Quartile:** 4 | **Citations:** 2

DOI: 10.4314/ahs.v21i3.20

Thermal Analysis on MHD Flow of Ethylene Glycol-based BNNTs Nanofuids via Peristaltically Induced Electroosmotic Pumping in a Curved Microchannel 2021

Noreen Javaria Akram Dharmendra Tripathi

Arabian Journal for Science and Engineering, Pages 1-17

Impact Factor: 2.334 | **Quartile:** 3 | **Citations:** 49

DOI: https://doi.org/10.1007/s13369-021-06173-7

Electroosmosis augmented MHD peristaltic transport of SWCNTs suspension in aqueous media 2021

Javaria Akram Noreen Sher Akbar Dharmendra Tripathi

Journal of Thermal Analysis and Calorimetry, Pages 1-18

Impact Factor: 4.755 | **Quartile:** 1 | **Citations:** 50

DOI: https://doi.org/10.1007/s10973-021-10562-3

A Theoretical Investigation on the Heat Transfer Ability of Water-Based Hybrid (Ag–Au) Nanofluids and Ag Nanofluids Flow Driven by Electroosmotic Pumping Through a Microchannel 2021

Javaria Akram Noreen Sher Akbar Dharmendra Tripathi

Arabian Journal for Science and Engineering, Volume 46, Pages 2911–2927

Impact Factor: 2.807 | **Quartile:** 2 | **Citations:** 53

DOI: https://doi.org/10.1007/s13369-020-05265-0

Viscous dissipation and joule heating effects on forced convection power law fluid flow through annular duct 2021

Farhan Ahmed Mazhar Iqbal Noreen Sher Akbar

Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science , Pages 1-8

Impact Factor: 1.758 | **Quartile:** 3 | **Citations:** 18

DOI: https://doi.org/10.1177/0954406221991180

Numerical simulation of Electrokinetically Driven Peristaltic Pumping of Silver-Water Nanofluids in an asymmetric microchannel 2020

Javaria Akram Noreen Sher Akbar Dharmendra Tripathi

Chinese Journal of Physics, Volume 68, Pages 745-763

Impact Factor: 3.237 | **Quartile:** 2 | **Citations:** 24

DOI: https://doi.org/10.1016/j.cjph.2020.10.015

Effect of the Hall currents and thermal radiation on the flow of a nanofluid through a vertical rotating channel 2020

Noreen Sher Akbar Mahidzal Dahari Javaria Akram M. Bilal Habib

Mathematical Methods in the Applied Sciences, Pages 1-19

Impact Factor: 2.321 | **Quartile:** 1 | **Citations:** 5

DOI: https://doi.org/10.1002/mma.6986

Numerical study of the electroosmotic flow of Al2O3– CH3OH Sisko nanofluid through a tapered microchannel in a porous environment 2020

Javaria Akram Noreen Sher Akbar Dharmendra Tripathi

Applied Nanoscience, Volume 10, Pages 4161–4176

Impact Factor: 3.674 | **Quartile:** 3 | **Citations:** 33

DOI: https://doi.org/10.1007/s13204-020-01521-9

Blood-based graphene oxide nanofluid flow through capillary in the presence of electromagnetic fields: A Sutterby fluid model 2020

Javaria Akram Noreen Sher Akbar Dharmendra Tripathi

Microvascular Research, Volume 132, Article Number 104062

Impact Factor: 3.514 | **Quartile:** 2 | **Citations:** 70

DOI: https://doi.org/10.1016/j.mvr.2020.104062

Comparative study on ethylene glycol based Ag-Al2O3 and Al2O3 nanofluids flow driven by electroosmotic and peristaltic pumping: a nano-coolant for radiators 2020

Javaria Akram Noreen Sher Akbar Dharmendra Tripathi

Physica Scripta, Volume 95, Article Number 115208

Impact Factor: 2.487 | **Quartile:** 2 | **Citations:** 16

DOI: https://doi.org/10.1088/1402-4896/abbd6b

Heat transfer analysis of peristaltic flow of a Phan-Thien–Tanner fluid model due to metachronal wave of cilia 2020

Adil Wahid Butt Noreen Sher Akbar Nazir Ahmed Mir

Biomechanics and Modeling in Mechanobiology , Volume 19, Issue 5, Pages 1925-1933

Impact Factor: 2.963 | **Quartile:** 3 | **Citations:** 39

DOI: https://doi.org/10.1007/s10237-020-01317-4

Chemical reaction and heat source/sink effect on magnetonano Prandtl-Eyring fluid peristaltic propulsion in an inclined symmetric channel 2020

Javaria Akram Noreen Sher Akbar E. Maraj

Chinese Journal of Physics, Volume 65, Pages 300–313

Impact Factor: 3.237 | **Quartile:** 2 | **Citations:** 43

DOI: https://doi.org/10.1016/j.cjph.2020.03.004

3D MHD cross flow over an exponential stretching porous surface 2020

Manoj Kumar Nayak Vinay Shankar Pandey Dharmendra Tripathi Dr. Noreen Sher Akbar Oluwole D Makinde

Heat Transfer-Asian Research, Volume 49, Issue 3, Pages 1256-1280

Impact Factor: - | **Citations:** 25

DOI: DOI: 10.1002/htj.21661

Biological analysis of Carreau nanofluid in an endoscope with variable viscosity 2020

Javaria Akram Noreen Sher Akbar

Physica Scripta , Volume 95, No. 5, Article Number 055201

Impact Factor: 2.487 | **Quartile:** 2 | **Citations:** 27

DOI: https://doi.org/10.1088/1402-4896/ab74d7

A comparative study on the role of nanoparticle dispersion in electroosmosis regulated peristaltic flow of water 2020

Javaria Akram Noreen Sher Akbar E. Maraj

Alexandria Engineering Journal, Volume 59, Issue 2, Pages 943-956

Impact Factor: 3.732 | **Quartile:** 1 | **Citations:** 59

DOI: https://doi.org/10.1016/j.aej.2020.03.017

New trends of nanofluids to combat Staphylococcus aureus in clinical isolates 2020

Muhammad Bilal Habib Noreen Sher Akbar

Journal of Thermal Analysis and Calorimetry, Volume 143, Pages 1893–1899

Impact Factor: 4.626 | **Quartile:** 1 | **Citations:** 22

DOI: https://doi.org/10.1007/s10973-020-09502-4

Mechanistic investigation for shape factor analysis of SiO2/MoS2-ethylene glycol inside a vertical channel influenced by oscillatory temperature gradient 2019

Noreen Sher Akbar Z. Iqbal Bilal Ahmed E. N. Maraj

Canadian Journal of Physics, Volume 97(9), Pages 950-958

Impact Factor: 1.032 | **Quartile:** 3

DOI: https://doi.org/10.1139/cjp-2018-0717.

Heat and peristaltic propagation of water based nanoparticles with variable fluid features 2019

Samreen Sheriff Hina Sadaf Noreen Sher Akbar Nazir Ahmad Mir

Physica Scripta , Volume 94, Number 12

Impact Factor: 1.985 | **Quartile:** 2 | **Citations:** 17

DOI: 10.1088/1402-4896/ab3316

Slip analysis with thermally developed peristaltic motion of nanoparticles under the influence of variable viscosity in vertical configuration 2019

Samreen Sheriff Dr Hina Sadaf Dr Noreen Sher Akbar Dr Nazir Ahmad Mir

The European Physical Journal Plus, Volume 134, Issue 8, Article Number 408

Impact Factor: 3.228 | **Quartile:** 1 | **Citations:** 9

DOI: 10.1140/epjp/i2019-12766-y

Physiological fluid flow analysis by means of contraction and expansion with addition of hybrid nanoparticles 2019

Hina Sadaf Naheeda iftikhar Noreen Sher Akbar

European Physical Journal Plus, Volume: 134, Issue: 5, Article Number: 232

Impact Factor: 3.228 | **Quartile:** 1 | **Citations:** 17
DOI: 10.1140/epjp/i2019-12598-9

Frequency and Susceptibility Pattern of Extended Spectrum Beta Lactamase Producing Aerobic Gram Negative Bacteria in Post-Operative Infections 2019

Muhammad Bilal Habib Noreen Sher Akbar

Nano Biomedicine and Engineering, Volume 11, Issue 2, Pages 138-149

Impact Factor: N/A
DOI: doi: 10.5101/nbe.v11i2.p138-149

Ferromagnetic nano model study for the peristaltic flow in a plumb duct with permeable walls 2019

Noreen Sher Akbar A.W. Butt

Microsystem Technologies-Micro-and Nanosystems-Information Storage and Processing Systems, Volume: 25 Issue: 4 Pages: 1227-1234

Impact Factor: 1.737 | **Quartile:** 3 | **Citations:** 14
DOI: https://doi.org/10.1007/s00542-018-4045-5

Peristaltic pumping with double diffusive natural convective nanofluid in a lopsided channel with accounting thermophoresis and Brownian moment 2019

Noreen Sher Akbar M. Bilal Habib

Microsystem Technologies-Micro-and Nanosystems-Information Storage and Processing Systems, Volume: 25, Issue: 4, Pages: 1217-1226

Impact Factor: 1.737 | **Quartile:** 3 | **Citations:** 19
DOI: https://doi.org/10.1007/s00542-018-4094-9

Biomechanically driven flow of a magnetohydrodynamic bio-fluid in a micro-vessel with slip and convective boundary conditions 2019

K. Ramesh Noreen Sher Akbar M. Usman

Microsystem Technologies, Volume 25, Pages 151-173

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Noreen Sher Akbar A.W. Butt

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Journal of Computational and Theoretical Nanoscience, Volume 11, Issue 5, Pages 1335-1341

Impact Factor: 1.343 | **Quartile:** 3 | **Citations:** 25

DOI: doi:10.1166/jctn.2014.3501

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S.Nadeem Bushra Tahir Fotini Labropulu Noreen Sher Akbar

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S.Nadeem R. Ellahi Noreen Sher Akbar A. Zeeshan Arshad Riaz

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DOI: 10.1166/jctn.2014.3473

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S.Nadeem Rashid Mehmood Noreen Sher Akbar

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S.Nadeem Arshad Riaz R. Ellahi Noreen Sher Akbar

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DOI: 10.1166/jctn.2014.3499

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Noreen Sher Akbar S. Nadeem Z.H. Khan Rizwan Ul Haq

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S.Nadeem Noreen Sher Akbar E. N. Maraj

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