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Sohail Nadeem

https://www.webofscience.com/wos/author/rid/AAA-1202-2019
Web of Science ResearcherID: AAA-1202-2019
ORCiD: 0000-0002-1052-011X

Current affiliation:

- Quaid-i-Azam University from 2000 until present

Publications

PUBLICATION METRICS

For manuscripts published from date range January 2018 - January 2023

38

H-index

4879

Sum of Times Cited

208

Publications

205

Publications in Web of Science

For all time

66

H-index

18254

Sum of Times Cited

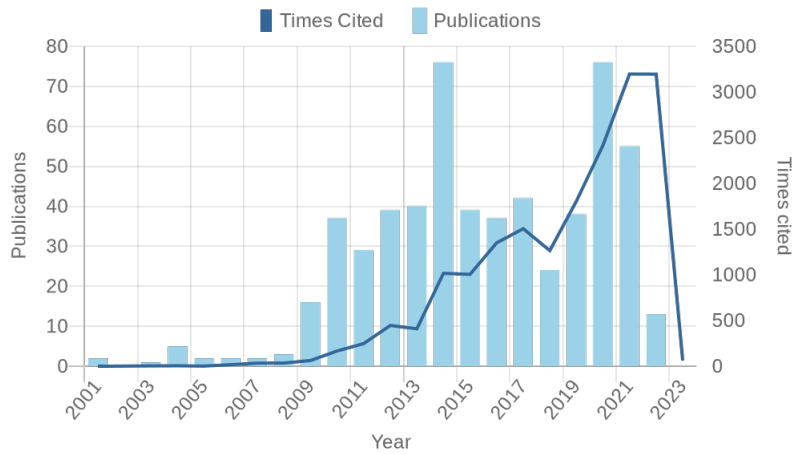
588

Publications

578

Publications in Web of Science

PUBLICATION IMPACT OVER TIME



PUBLISHING SUMMARY

For manuscripts published from date range January 2018 - January 2023

(23) Physica Scripta	(11) Applied Nanoscience
(10) Canadian Journal of Physics	(10) Physica A: Statistical Mechanics and Its Appl...
(9) AEJ - Alexandria Engineering Journal	(9) Journal of Thermal Analysis and Calorimetry
(8) Results in Physics	(7) Microsystem Technologies
(7) Mathematical Problems in Engineering	(6) Journal of Molecular Liquids
(5) Proceedings of the Institution of Mechanical E...	(5) Chinese Journal of Physics
(5) Computer Methods and Programs in Biomedic...	(5) International Communications in Heat and Ma...
(4) Communications in Theoretical Physics	(4) Scientific Reports
(4) Surfaces and Interfaces	(3) Journal of the Brazilian Society of Mechanical ...
(3) Processes	(3) Heliyon
(3) Arabian Journal for Science and Engineering	(3) Current Nanoscience
(3) Advances in Mechanical Engineering	(3) Proceedings of the Institution of Mechanical E...

(2) Journal of Computational Design and Enginee...
(2) Ain Shams Engineering Journal
(2) Mathematical Methods in the Applied Sciences
(2) Applied Mathematics and Mechanics
(2) Science Progress
(1) Mathematics and Computers in Simulation
(1) Proceedings of the Institution of Mechanical E...
(1) Sensors and Actuators B: Chemical
(1) Chaos, Solitons & Fractals
(1) RSC Advances
(1) Journal of Power Technologies
(1) Coatings
(1) Electrophoresis
(1) The European Physical Journal Plus
(1) International Journal of Ambient Energy
(1) AIP Advances
(1) Journal of Biomedical Materials Research Part...
(1) Numerical Methods for Partial Differential Equ...
(1) Journal of Nanofluids
(1) Journal of Applied Polymer Science
(1) Entropy
(1) Waves in Random and Complex Media
(1) ZAMM - Journal of Applied Mathematics and ...
(2) International Journal of Modern Physics B
(2) International Journal of Numerical Methods fo...
(2) Journal of the Taiwan Institute of Chemical En...
(2) Heat Transfer
(2) Case Studies in Thermal Engineering
(1) Pramana - Journal of Physics
(1) Journal of Heat Transfer
(1) The European Physical Journal E
(1) Symmetry
(1) Applied Mathematics and Computation
(1) Neural Computing and Applications
(1) International Journal of Geometric Methods in...
(1) Heat Transfer - Asian Research
(1) International Journal of Thermofluid Science a...
(1) Energies
(1) Computer Methods in Biomechanics and Biom...
(1) CMES - Computer Modeling in Engineering an...
(1) Journal of Energy Storage
(1) Scientia Iranica
(1) International Journal of Exergy
(1) Crystals
(1) Applied Sciences

MANUSCRIPTS PUBLISHED (208)

From date range January 2018 - January 2023

TIMES CITED (ALL TIME)

Effects of radiation and heat generation for non-Newtonian fluid flow over slendering stretching sheet: Numerically

Not indexed in the Web of Science

Published: Dec 2022 in ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik
DOI: 10.1002/ZAMM.202100299

Analysis of entropy generation in the nonlinear thermal radiative micropolar nanofluid flow towards a stagnation point with catalytic effects Published: Aug 2022 in Physica Scripta DOI: 10.1088/1402-4896/AC79D7	1
Impact of heat and mass transfer on the Peristaltic flow of non-Newtonian Casson fluid inside an elliptic conduit: Exact solutions through novel technique Published: Aug 2022 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2022.06.013	5
Effective Similarity Variables for the Computations of MHD Flow of Williamson Nanofluid over a Non-Linear Stretching Surface Published: Jun 2022 in Processes DOI: 10.3390/PR10061119	1
Mathematical model of convective heat transfer for peristaltic flow of Rabinowitsch fluid in a wavy rectangular duct with entropy generation Published: Jun 2022 in Physica Scripta DOI: 10.1088/1402-4896/AC6D88	4
Numerical simulation for mixed convection in a parallelogram enclosure: Magnetohydrodynamic (MHD) and moving wall-undulation effects Published: Jun 2022 in International Communications in Heat and Mass Transfer DOI: 10.1016/J.ICHEATMASSTRANSFER.2022.106066	0
Numerical analysis of unsteady magnetized micropolar fluid flow over a curved surface Published: Jun 2022 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-021-10913-0	14
Physical Survey of Thermally Heated Non-Newtonian Jeffrey Fluid in a Ciliated Conduit Having Heated Compressing and Expanding Walls Published: May 2022 in Applied Sciences DOI: 10.3390/APP12105065	0
Analysis of heat and mass transfer on the peristaltic flow in a duct with sinusoidal walls: Exact solutions of coupled PDEs Published: May 2022 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2021.08.087	8
Novel idea about the peristaltic flow of heated Newtonian fluid in elliptic duct having ciliated walls Published: Apr 2022 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2021.07.035	12

Numerical computations for Buongiorno nano fluid model on the boundary layer flow of viscoelastic fluid towards a nonlinear stretching sheet Published: Feb 2022 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2021.11.013	29
Impact of Joule heating and multiple slips on a Maxwell nanofluid flow past a slendering surface Published: Jan 2022 in Communications in Theoretical Physics DOI: 10.1088/1572-9494/AC3BC8	21
Unsteady shear-thinning behaviour of nanofluid flow over exponential stretching/shrinking cylinder Published: Jan 2022 in Journal of Molecular Liquids DOI: 10.1016/J.MOLLIQ.2021.117894	3
Simulation of linear and nonlinear advection-diffusion problems by the direct radial basis function collocation method Published: Jan 2022 in International Communications in Heat and Mass Transfer DOI: 10.1016/J.ICHEATMASSTRANSFER.2021.105775	4
Similarity solution of second grade fluid flow over a moving cylinder Published: Dec 2021 in International Journal of Modern Physics B DOI: 10.1142/S0217979221503252	4
Insight into the significance of Richardson number on two-phase flow of ethylene glycol-silver nanofluid due to Cattaneo-Christov heat flux Published: Dec 2021 in Waves in Random and Complex Media DOI: 10.1080/17455030.2021.2011470	13
Entropy generation and induced magnetic field in pseudoplastic nanofluid flow near a stagnant point Published: Dec 2021 in Scientific Reports DOI: 10.1038/S41598-021-02997-3	5
Entropy generation for the blood flow in an artery with multiple stenosis having a catheter Published: Dec 2021 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2021.04.058	15
Transportation of modified nanofluid flow with time dependent viscosity over a Riga plate: Exponentially stretching Published: Dec 2021 in Ain Shams Engineering Journal DOI: 10.1016/J.ASEJ.2021.01.034	19
Numerical analysis for the effects of heat transfer in modified square duct with heated obstacle inside it Published: Dec 2021 in International Communications in Heat and Mass Transfer DOI: 10.1016/J.ICHEATMASSTRANSFER.2021.105666	17

Heat and mass transfer investigation of a chemically reactive Burgers nanofluid with an induced magnetic field over an exponentially stretching surface Published: Dec 2021 in Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering DOI: 10.1177/09544089211034941	9
Heat Transport Improvement and Three-Dimensional Rotating Cone Flow of Hybrid-Based Nanofluid Published: Oct 2021 in Mathematical Problems in Engineering DOI: 10.1155/2021/6633468	6
Eigenfunction expansion method for peristaltic flow of hybrid nanofluid flow having single-walled carbon nanotube and multi-walled carbon nanotube in a wavy rectangular duct Published: Oct 2021 in Science Progress DOI: 10.1177/00368504211050292	5
Casson nanoliquid flow with Cattaneo-Christov flux analysis over a curved stretching/shrinking channel Published: Oct 2021 in Case Studies in Thermal Engineering DOI: 10.1016/J.CSITE.2021.101146	19
Bioconvection through interaction of Lorentz force and gyrotactic microorganisms in transverse transportation of rheological fluid Published: Sep 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-09830-5	15
Unsteady flow of three-dimensional Maxwell nanofluid with variables properties over a stretching surface Published: Aug 2021 in Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering DOI: 10.1177/09544089211039055	5
Combined Effects of Binary Chemical Reaction/Activation Energy on the Flow of Sisko Fluid over a Curved Surface Published: Aug 2021 in Crystals DOI: 10.3390/CRYST11080967	1
Impact of uniform and non-uniform heated rods on free convective flow inside a porous enclosure: finite element analysis Published: Aug 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABFBA7	9
Mechanics of non-Newtonian blood flow in an artery having multiple stenosis and electroosmotic effects Published: Jul 2021 in Science Progress DOI: 10.1177/00368504211031693	13

Viscous flow between two sinusoidally deforming curved concentric tubes: advances in endoscopy Published: Jul 2021 in Scientific Reports DOI: 10.1038/S41598-021-94682-8	9
Green synthesis of biodegradable terpolymer modified starch nanocomposite with carbon nanoparticles for food packaging application Published: Jul 2021 in Journal of Applied Polymer Science DOI: 10.1002/APP.50604	7
MHD stagnation point flow of a Maxwell nanofluid over a shrinking sheet (multiple solution) Published: Jul 2021 in Heat Transfer DOI: 10.1002/HTJ.22098	4
Mixed convection hybridized micropolar nanofluid with triple stratification and Cattaneo-Christov heat flux model Published: Jul 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABF615	26
Ciliary Flow of Casson Nanofluid with the Influence of MHD having Carbon Nanotubes Published: Jun 2021 in Current Nanoscience DOI: 10.2174/1573413716999201015090335	1
A Computational Model for the Radiated Kinetic Molecular Postulate of Fluid-Originated Nanomaterial Liquid Flow in the Induced Magnetic Flux Regime Published: Jun 2021 in Mathematical Problems in Engineering DOI: 10.1155/2021/6690366	20
Entropy Analysis of the Peristaltic Flow of Hybrid Nanofluid Inside an Elliptic Duct with Sinusoidally Advancing Boundaries Published: Jun 2021 in Entropy DOI: 10.3390/E23060732	16
Mathematical Analysis of Thermal Energy Distribution in a Hybridized Mixed Convective Flow Published: Jun 2021 in Journal of Nanofluids DOI: 10.1166/JON.2021.1778	11
Mathematical study of Electroosmotically driven peristaltic flow of Casson fluid inside a tube having systematically contracting and relaxing sinusoidal heated walls Published: Jun 2021 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2021.02.015	21

Finite element simulation for free convective flow in an adiabatic enclosure: Study of Lorentz forces and partially thermal walls Published: Jun 2021 in Case Studies in Thermal Engineering DOI: 10.1016/J.CSITE.2021.100981	11
Flow and heat transfer investigation of bio-convective hybrid nanofluid with triple stratification effects Published: Jun 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABF305	21
Assisting and Opposing Stagnation Point Pseudoplastic Nano Liquid Flow towards a Flexible Riga Sheet: A Computational Approach Published: May 2021 in Mathematical Problems in Engineering DOI: 10.1155/2021/6610332	20
Mix convection non-boundary layer flow of unsteady MHD oblique stagnation point flow of nanofluid Published: May 2021 in International Communications in Heat and Mass Transfer DOI: 10.1016/J.ICHEATMASSTRANSFER.2021.105285	18
Thermal analysis of oblique stagnation point flow with slippage on second-order fluid Published: Apr 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-021-10760-Z	17
A Combined Convection Carreau-Yasuda Nanofluid Model over a Convective Heated Surface near a Stagnation Point: A Numerical Study Published: Apr 2021 in Mathematical Problems in Engineering DOI: 10.1155/2021/6665743	33
Peristaltic flow of a heated Jeffrey fluid inside an elliptic duct: streamline analysis Published: Apr 2021 in Applied Mathematics and Mechanics DOI: 10.1007/S10483-021-2714-6	14
Scientific breakdown for physiological blood flow inside a tube with multi-thrombosis Published: Mar 2021 in Scientific Reports DOI: 10.1038/S41598-021-86051-2	6
Physical aspects of convective and radiative molecular theory of liquid originated nanofluid flow in the existence of variable properties Published: Mar 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABD790	21
Finite element simulations for natural convective flow of nanofluid in a rectangular cavity having corrugated heated rods Published: Mar 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-09378-4	30

Electroosmotically driven flow of micropolar bingham viscoplastic fluid in a wavy microchannel: application of computational biology stomach anatomy Published: Feb 2021 in Computer Methods in Biomechanics and Biomedical Engineering DOI: 10.1080/10255842.2020.1827236	5
Simulation of magnetic dipole on gyrotactic ferromagnetic fluid flow with nonlinear thermal radiation Published: Feb 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-09856-9	26
Evaluation of silk-based bioink during pre and post3Dbioprinting: A review Published: Feb 2021 in Journal of Biomedical Materials Research Part B: Applied Biomaterials DOI: 10.1002/JBM.B.34699	19
Models base study of inclined MHD of hybrid nanofluid flow over nonlinear stretching cylinder Published: Feb 2021 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2020.11.019	111
Transient flow of Maxwell Nanofluid Over a Shrinking Surface: Numerical Solutions and Stability Analysis Published: Feb 2021 in Surfaces and Interfaces DOI: 10.1016/J.SURFIN.2020.100829	9
A comparative study between linear and exponential stretching sheet with double stratification of a rotating Maxwell nanofluid flow Published: Feb 2021 in Surfaces and Interfaces DOI: 10.1016/J.SURFIN.2020.100886	38
Hybridized nanofluid with stagnation point past a rotating disk Published: Feb 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABCFEF	13
Mathematical analysis of heat and mass transfer in a Maxwell fluid with double stratification Published: Feb 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABCB2A	9
Thermal analysis of Casson micropolar nanofluid flow over a permeable curved stretching surface under the stagnation region Published: Feb 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-10127-W	35
Darcy-Forchheimer flow under rotating disk and entropy generation with thermal radiation and heat source/sink Published: Feb 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-09737-1	29

Simulations of micropolar nanofluid-equipped natural convective-driven flow in a cavity Published: Jan 2021 in International Journal of Numerical Methods for Heat & Fluid Flow DOI: 10.1108/HFF-08-2020-0504	4
Enhanced transport properties and its theoretical analysis in two-phase hybrid nanofluid Published: Jan 2021 in Applied Nanoscience DOI: 10.1007/S13204-020-01634-1	17
Reactivity of bifurcation angle and electroosmosis flow for hemodynamic flow through aortic bifurcation and stenotic wall with heat transfer Published: Jan 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABCB29	8
Features of thermophoretic and Brownian forces in Burgers fluid flow subject to Joule heating and convective conditions Published: Jan 2021 in Physica Scripta DOI: 10.1088/1402-4896/ABC381	13
Cattaneo-Christov heat flux model for stagnation point flow of micropolar nanofluid toward a nonlinear stretching surface with slip effects Published: Jan 2021 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-09504-2	90
Consequences of Darcy-Forchheimer and Cattaneo- Christov on a radiative three-dimensional Maxwell fluid flow over a vertical surface Published: Jan 2021 in Journal of the Taiwan Institute of Chemical Engineers DOI: 10.1016/J.JTICE.2021.01.018	13
Physiological Flow of Non-Newtonian Fluid with Variable Density Inside a Ciliated Symmetric Channel Having Compliant Wall Published: Jan 2021 in Arabian Journal for Science and Engineering DOI: 10.1007/S13369-020-04910-Y	9
Thermal slip and homogeneous/heterogeneous reaction characteristics of second-grade fluid flow over an exponentially stretching sheet Published: 2021 in Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering DOI: 10.1177/09544089211064187	4
Influence of homogeneous/heterogeneous reactions on a radiative second-grade micropolar fluid flow over an exponentially stretching Riga plate with Joule heating Published: 2021 in Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering DOI: 10.1177/09544089211067676	3

Microphysical analysis for peristaltic flow of SWCNT and MWCNT carbon nanotubes inside a catheterised artery having thrombus: irreversibility effects with entropy Published: 2021 in International Journal of Exergy DOI: 10.1504/IJEX.2021.113845	11
Heat enhancement analysis of the hybridized micropolar nanofluid with Cattaneo-Christov and stratification effects Published: 2021 in Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science DOI: 10.1177/09544062211010833	12
Thermal analysis in buoyancy driven flow of hybrid nanofluid subject to thermal radiation Published: Dec 2020 in International Journal of Ambient Energy DOI: 10.1080/01430750.2020.1861090	15
Mathematical analysis of heat and mass transfer in a Maxwell fluid Published: Dec 2020 in Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science DOI: 10.1177/0954406220976704	8
Entropy generation and temperature-dependent viscosity in the study of SWCNT-MWCNT hybrid nanofluid Published: Dec 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01306-0	70
Theoretical treatment of radiative Oldroyd-B nanofluid with microorganism pass an exponentially stretching sheet Published: Dec 2020 in Surfaces and Interfaces DOI: 10.1016/J.SURFIN.2020.100686	26
Impact of gravity-induced and Fourier's heat flux on the nano-film flow over thermal sensitive surface Published: Dec 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01537-1	5
Physical aspects of peristaltic flow of hybrid nano fluid inside a curved tube having ciliated wall Published: Dec 2020 in Results in Physics DOI: 10.1016/J.RINP.2020.103431	40
Rosseland analysis for ferromagnetic fluid in presence of gyrotactic microorganisms and magnetic dipole Published: Dec 2020 in Ain Shams Engineering Journal DOI: 10.1016/J.ASEJ.2020.03.007	13

Entropy generation and natural convection flow of a suspension containing nano-encapsulated phase change particles in a semi-annular cavity Published: Dec 2020 in Journal of Energy Storage DOI: 10.1016/J.EST.2020.101834	12
Flow analysis by Cattaneo-Christov heat flux in the presence of Thomson and Troian slip condition Published: Dec 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01267-4	28
Cattaneo-Christov-based study of SWCNT-MWCNT/EG Casson hybrid nanofluid flow past a lubricated surface with entropy generation Published: Dec 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01367-1	39
Influence of Lorentz force and Induced Magnetic Field Effects on Casson Micropolar nanofluid flow over a permeable curved stretching/shrinking surface under the stagnation region Published: Dec 2020 in Surfaces and Interfaces DOI: 10.1016/J.SURFIN.2020.100766	19
Mixed convective 3D flow of Maxwell nanofluid induced by stretching sheet: Application of Cattaneo-Christov theory Published: Nov 2020 in Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science DOI: 10.1177/0954406220973242	5
Dual nature solutions for temperature-dependent transport properties of nanofluid flow with entropy generation Published: Nov 2020 in Numerical Methods for Partial Differential Equations DOI: 10.1002/NUM.22679	3
Computational analysis of water based Cu - Al2O3/H2O flow over a vertical wedge Published: Nov 2020 in Advances in Mechanical Engineering DOI: 10.1177/1687814020968322	17
Probe of Radiant Flow on Temperature-Dependent Viscosity Models of Differential Type MHD Fluid Published: Nov 2020 in Mathematical Problems in Engineering DOI: 10.1155/2020/2927013	6
The effects of zero and high shear rates viscosities on the transportation of heat and mass in boundary layer regions: A non-Newtonian fluid with Carreau model Published: Nov 2020 in Journal of Molecular Liquids DOI: 10.1016/J.MOLLIQ.2020.113991	19

Analytical view of magnetic hydrodynamic rotating flow of Barium Ferrite nanofluid with viscous dissipation Published: Nov 2020 in Scientia Iranica DOI: 10.24200/SCI.2020.54304.3692	1
Transportation of heat and mass transport in hydromagnetic stagnation point flow of Carreau nanomaterial: Dual simulations through Runge-Kutta Fehlberg technique Published: Nov 2020 in International Communications in Heat and Mass Transfer DOI: 10.1016/J.ICHEATMASSTRANSFER.2020.104858	33
Significance of Coriolis force on the dynamics of water conveying copper and copper oxide nanoparticles Published: Nov 2020 in Physica Scripta DOI: 10.1088/1402-4896/ABBEAE	8
Mixed Convection in Unsteady Stagnation Point Flow of Maxwell Fluid Subject to Modified Fourier's Law Published: Nov 2020 in Arabian Journal for Science and Engineering DOI: 10.1007/S13369-020-04724-Y	17
Series solution of unsteady MHD oblique stagnation point flow of copper-water nanofluid flow towards Riga plate Published: Oct 2020 in Heliyon DOI: 10.1016/J.HELIYON.2020.E04689	10
Mathematical computations for Peristaltic flow of heated non-Newtonian fluid inside a sinusoidal elliptic duct Published: Oct 2020 in Physica Scripta DOI: 10.1088/1402-4896/ABBAA3	20
Transportation of slip effects on nanomaterial micropolar fluid flow over exponentially stretching Published: Oct 2020 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2020.05.024	21
Heat transport in CNTs based nanomaterial flow of non-Newtonian fluid having electro magnetize plate Published: Oct 2020 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2020.05.022	22
Slip Effects on Unsteady Oblique Stagnation Point Flow of Nanofluid in a View of Inclined Magnetic Field Published: Sep 2020 in Mathematical Problems in Engineering DOI: 10.1155/2020/6580409	4
Analysis of unsteady non-axisymmetric Homann stagnation point flow of nanofluid and possible existence of multiple solutions Published: Sep 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.123920	24

Investigation of a hyperbolic annular fin with temperature dependent thermal conductivity by two step third derivative block method (TSTDBM) Published: Sep 2020 in Microsystem Technologies DOI: 10.1007/S00542-020-05015-0	5
Magneto-hydro dynamic squeezed flow of Williamson fluid transiting a sensor surface Published: Sep 2020 in Heliyon DOI: 10.1016/J.HELIYON.2020.E04875	6
Magnetohydrodynamic oblique stagnation point flow of second grade fluid over an oscillatory stretching surface Published: Sep 2020 in Results in Physics DOI: 10.1016/J.RINP.2020.103233	35
Study of three dimensional stagnation point flow of hybrid nanofluid over an isotropic slip surface Published: Sep 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.124020	40
Effects of induced magnetic field for peristaltic flow of Williamson fluid in a curved channel Published: Sep 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.123979	58
Thermophoresis and Brownian Model of Pseudo-Plastic Nanofluid Flow over a Vertical Slender Cylinder Published: Aug 2020 in Mathematical Problems in Engineering DOI: 10.1155/2020/8428762	12
Theoretical aspects of micropolar nanofluid flow past a deformable rotating cone Published: Aug 2020 in Mathematical Methods in the Applied Sciences DOI: 10.1002/MMA.6777	2
Finite element analysis of convective nanofluid equipped in enclosure having both inlet and outlet zones Published: Aug 2020 in Journal of the Taiwan Institute of Chemical Engineers DOI: 10.1016/J.JTICE.2020.08.032	7
Theoretical treatment of bio-convective Maxwell nanofluid over an exponentially stretching sheet Published: Aug 2020 in Canadian Journal of Physics DOI: 10.1139/CJP-2019-0380	22
Significance of Knudsen number and corrugation on EMHD flow under metallic nanoparticles impact Published: Aug 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.124089	10

Theoretical study of micropolar hybrid nanofluid over Riga channel with slip conditions Published: Aug 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.124083	55
Permeability impact on electromagnetohydrodynamic flow through corrugated walls of microchannel with variable viscosity Published: Jul 2020 in Advances in Mechanical Engineering DOI: 10.1177/1687814020944336	3
Physiological flow of biomedical compressible fluids inside a ciliated symmetric channel Published: Jul 2020 in Advances in Mechanical Engineering DOI: 10.1177/1687814020938478	10
Heat transfer and Helmholtz-Smoluchowski velocity in Bingham fluid flow Published: Jul 2020 in Applied Mathematics and Mechanics DOI: 10.1007/S10483-020-2636-8	6
A novel approach for investigation of heat transfer enhancement with ferromagnetic hybrid nanofluid by considering solar radiation Published: Jun 2020 in Microsystem Technologies DOI: 10.1007/S00542-020-04920-8	49
Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks Published: Jun 2020 in Energies DOI: 10.3390/EN13112942	34
Analytical Solution of Free Convection Heat Transfer of Hybrid Nanofluids Over a Vertical Flat Plate Embedded in a Porous Medium Published: Jun 2020 in Mathematical Methods in the Applied Sciences DOI: 10.1002/MMA.6457	2
Inspection of hybrid based nanofluid flow over a curved surface Published: Jun 2020 in Computer Methods and Programs in Biomedicine DOI: 10.1016/J.CMPB.2019.105193	112
Radiative SWCNT and MWCNT nanofluid flow of Falkner-Skan problem with double stratification Published: Jun 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.124054	62
Dual solutions in MHD stagnation point flow of nanofluid induced by porous stretching/shrinking sheet with anisotropic slip Published: Jun 2020 in AIP Advances DOI: 10.1063/5.0008756	37

Dual solutions for mixed convection flow of SiO2-Al2O3/water hybrid nanofluid near the stagnation point over a curved surface Published: Jun 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.123959	110
On the stagnation point flow of nanomaterial with base viscoelastic micropolar fluid over a stretching surface Published: Jun 2020 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2020.04.041	12
Micropolar fluid flow with temperature-dependent transport properties Published: Jun 2020 in Heat Transfer DOI: 10.1002/HTJ.21726	18
Heat transfer of Maxwell base fluid flow of nanomaterial with MHD over a vertical moving surface Published: Jun 2020 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2020.05.008	28
Effect of SWCNT and MWCNT on the flow of micropolar hybrid nanofluid over a curved stretching surface with induced magnetic field Published: May 2020 in Scientific Reports DOI: 10.1038/S41598-020-65278-5	35
Mixed convection flow of hybrid nanoparticle along a Riga surface with Thomson and Troian slip condition Published: May 2020 in Journal of Thermal Analysis and Calorimetry DOI: 10.1007/S10973-020-09747-Z	32
Microvascular blood flow with heat transfer in a wavy channel having electroosmotic effects Published: May 2020 in Electrophoresis DOI: 10.1002/ELPS.201900465	27
Chemically reactive swirling flow of viscoelastic nanofluid due to rotating disk with thermal radiations Published: May 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01400-3	13
Flow analysis of biconvective heat and mass transfer of two-dimensional couple stress fluid over a paraboloid of revolution Published: Apr 2020 in International Journal of Modern Physics B DOI: 10.1142/S0217979220501106	41
Analysis of activation energy and its impact on hybrid nanofluid in the presence of Hall and ion slip currents Published: Apr 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01334-W	34

Numerical analysis of water based CNTs flow of micropolar fluid through rotating frame Published: Apr 2020 in Computer Methods and Programs in Biomedicine DOI: 10.1016/J.CMPB.2019.105194	44
Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface (vol 185, 105136, 2020) Published: Apr 2020 in Computer Methods and Programs in Biomedicine DOI: 10.1016/J.CMPB.2019.105251	1
Application of CNT-based micropolar hybrid nanofluid flow in the presence of Newtonian heating Published: Mar 2020 in Applied Nanoscience DOI: 10.1007/S13204-020-01349-3	25
On extended version of Yamada-Ota and Xue models in micropolar fluid flow under the region of stagnation point Published: Mar 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.123512	39
Analysis of ferrite nanoparticles in liquid Published: Mar 2020 in Pramana - Journal of Physics DOI: 10.1007/S12043-019-1913-1	28
Transportation of magnetized micropolar hybrid nanomaterial fluid flow over a Riga curface surface Published: Mar 2020 in Computer Methods and Programs in Biomedicine DOI: 10.1016/J.CMPB.2019.105136	45
Significance of Arrhenius activation energy in flow and heat transfer of tangent hyperbolic fluid with zero mass flux condition Published: Feb 2020 in Microsystem Technologies DOI: 10.1007/S00542-020-04792-Y	39
Utilization of Cu-nanoparticles as medication agent to reduce atherosclerotic lesions of a bifurcated artery having compliant walls Published: Feb 2020 in Computer Methods and Programs in Biomedicine DOI: 10.1016/J.CMPB.2019.105123	22
Analysis of bifurcation dynamics of streamlines topologies for pseudoplastic shear thinning fluid: Biomechanics application Published: Feb 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.122502	15
Influence of metallic nanoparticles in water driven along a wavy circular cylinder Published: Feb 2020 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2019.11.012	21

Fluid flow analysis of cilia beating in a curved channel in the presence of magnetic field and heat transfer Published: Feb 2020 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0715	26
On extended version of Yamada-Ota and Xue models of hybrid nanofluid on moving needle Published: Jan 2020 in The European Physical Journal Plus DOI: 10.1140/EPJP/S13360-020-00185-2	48
A computational model for suspensions of motile micro-organisms in the flow of ferrofluid Published: Jan 2020 in Journal of Molecular Liquids DOI: 10.1016/J.MOLLIQ.2019.112033	35
Impact of induced magnetic field on second-grade nanofluid flow past a convectively heated stretching sheet Published: Jan 2020 in Applied Nanoscience DOI: 10.1007/S13204-019-01215-X	34
Finite volume method for mixed convection flow of Ag-ethylene glycol nanofluid flow in a cavity having thin central heater Published: Jan 2020 in Physica A: Statistical Mechanics and Its Applications DOI: 10.1016/J.PHYSA.2019.122738	43
Heat transfer of three-dimensional micropolar fluid on a Riga plate Published: Jan 2020 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0973	50
Stagnation flow of hybrid nanoparticles with MHD and slip effects Published: Jan 2020 in Heat Transfer - Asian Research DOI: 10.1002/HTJ.21605	24
Mathematical model for blood flow through the stenosed channel Published: 2020 in Physica Scripta DOI: 10.1088/1402-4896/AB43FF	7
Aspects of 3D rotating hybrid CNT flow for a convective exponentially stretched surface Published: 2020 in Applied Nanoscience DOI: 10.1007/S13204-019-01036-Y	8
Blood Flow Through a Catheterized Artery Having a Mild Stenosis at the Wall with a Blood Clot at the Centre Published: 2020 in CMES - Computer Modeling in Engineering and Sciences DOI: 10.32604/CMES.2020.011883	8

Numerical study of unsteady flow and heat transfer CNT-based MHD nanofluid with variable viscosity over a permeable shrinking surface Published: Dec 2019 in International Journal of Numerical Methods for Heat & Fluid Flow DOI: 10.1108/HFF-04-2019-0346	78
The Effects of Thermocapillarity on the Thin Film Flow of MHD UCM Fluid over an Unsteady Elastic Surface with Convective Boundary Conditions Published: Nov 2019 in International Journal of Thermofluid Science and Technology DOI: 10.36963/IJTST.19060303	Not indexed in the Web of Science
Heat transfer enhancement and migration of ferrofluid due to electric force inside a porous medium with complex geometry Published: Nov 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB24FF	7
Flow of a micropolar CNT-based nanofluid across a squeezing channel Published: Oct 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB17E9	6
Buongiorno's Nanofluid Model over a Curved Exponentially Stretching Surface Published: Sep 2019 in Processes DOI: 10.3390/PR7100665	20
Oblique Stagnation Point Flow of Nanofluids over Stretching/Shrinking Sheet with Cattaneo-Christov Heat Flux Model: Existence of Dual Solution Published: Sep 2019 in Symmetry DOI: 10.3390/SYM11091070	69
Analysis of Ag/blood-mediated transport in curved annulus with exclusive nature of convective boundary Published: Aug 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB2A8A	9
Effect of the Variable Viscosity on the Peristaltic Flow of Newtonian Fluid Coated with Magnetic Field: Application of Adomian Decomposition Method for Endoscope Published: Aug 2019 in Coatings DOI: 10.3390/COATINGS9080524	8
MHD stagnation point flow of viscous nanofluid over a curved surface Published: Aug 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB1EB6	66
Numerical investigation into unsteady magnetohydrodynamics flow of micropolar hybrid nanofluid in porous medium Published: Aug 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB154A	27

Stability analysis of Cu-H2O nanofluid over a curved stretching-shrinking sheet: existence of dual solutions Published: Aug 2019 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0526	9
Existence and stability of heat and fluid flow in the presence of nanoparticles along a curved surface by mean of dual nature solution Published: Jul 2019 in Applied Mathematics and Computation DOI: 10.1016/J.AMC.2019.01.044	26
MHD oblique stagnation point flow of nanofluid over an oscillatory stretching/shrinking sheet: existence of dual solutions Published: Jul 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB0973	63
EMHD flow through microchannels with corrugated walls in the presence of nanofluid Published: Jul 2019 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0517	7
Mathematical analysis of bio-convective micropolar nanofluid Published: Jul 2019 in Journal of Computational Design and Engineering DOI: 10.1016/J.JCDE.2019.04.001	42
Numerical study of 3D rotating hybrid SWCNT-MWCNT flow over a convectively heated stretching surface with heat generation/absorption Published: Jul 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB00B9	31
Computational Study of MHD Nanofluid Flow Possessing Micro-Rotational Inertia over a Curved Surface with Variable Thermophysical Properties Published: Jun 2019 in Processes DOI: 10.3390/PR7060387	23
Consequences of compliant walls for peristaltic transportation in a channel having porous medium and porous boundaries Published: Jun 2019 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0230	2
Numerical analysis of Ag-CuO/water rotating hybrid nanofluid with heat generation and absorption Published: Jun 2019 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0011	18
Impact of an oblique stagnation point on MHD micropolar nanomaterial in porous medium over an oscillatory surface with partial slip Published: Jun 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB0B58	10

Numerical investigation of viscoelastic nanofluid flow with radiation effects Published: May 2019 in Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems DOI: 10.1177/2397791419848957	13
Hybrid Isothermal Model for the Ferrohydrodynamic Chemically Reactive Species Published: Apr 2019 in Communications in Theoretical Physics DOI: 10.1088/0253-6102/71/4/384	16
Physiological analysis of streamline topologies and their bifurcations for a peristaltic flow of nano fluid Published: Apr 2019 in Microsystem Technologies DOI: 10.1007/S00542-018-4154-1	7
Impact of magnetic dipole on a thermally stratified ferrofluid past a stretchable surface Published: Apr 2019 in Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering DOI: 10.1177/0954408918759244	13
On both MHD and slip effect in micropolar hybrid nanofluid past a circular cylinder under stagnation point region Published: Apr 2019 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0173	55
Magnetically driven flow of pseudoplastic fluid across a sensor surface Published: Mar 2019 in Journal of the Brazilian Society of Mechanical Sciences and Engineering DOI: 10.1007/S40430-019-1691-1	7
Boundary Layer Flow over a Curved Surface Imbedded in Porous Medium Published: Mar 2019 in Communications in Theoretical Physics DOI: 10.1088/0253-6102/71/3/344	40
Numerical simulation of oscillatory oblique stagnation point flow of a magneto micropolar nanofluid Published: Feb 2019 in RSC Advances DOI: 10.1039/C8RA09698H	68
Effect of time dependent viscosity and radiation efficacy on a non-Newtonian fluid flow Published: Feb 2019 in Heliyon DOI: 10.1016/J.HELIYON.2019.E01203	22
A ballon model analysis with Cu-blood medicated nanoparticles as drug agent through overlapped curved stenotic artery having compliant walls Published: Jan 2019 in Microsystem Technologies DOI: 10.1007/S00542-018-4263-X	10

A comparative study of Cu nanoparticles under slip effects through oblique eccentric tubes, a biomedical solicitation examination Published: Jan 2019 in Canadian Journal of Physics DOI: 10.1139/CJP-2018-0009	6
Numerical investigation into unsteady magnetohydrodynamics flow of micropolar hybrid nanofluid in porous medium Published: 2019 in Physica Scripta DOI: 10.1088/1402-4896/AP154A	0
Numerical Solution of a Casson Nanofluid flow and heat transfer analysis between Concentric Cylinders Published: 2019 in Journal of Power Technologies	9
Carbon nanotubes effects in magneto nanofluid flow over a curved stretching surface with variable viscosity Published: 2019 in Microsystem Technologies DOI: 10.1007/S00542-018-4232-4	30
MHD oblique stagnation point flow of copper-water nanofluid with variable properties Published: 2019 in Physica Scripta DOI: 10.1088/1402-4896/AB3BFF	13
Numerical analysis of micropolar hybrid nanofluid Published: 2019 in Applied Nanoscience DOI: 10.1007/S13204-018-0926-2	85
The effects of MHD and buoyancy on Hematite water-based fluid past a convectively heated stretching sheet Published: 2019 in Neural Computing and Applications DOI: 10.1007/S00521-017-3139-9	9
An optimal analysis of radiated nanomaterial flow with viscous dissipation and heat source Published: 2019 in Microsystem Technologies DOI: 10.1007/S00542-018-3996-X	91
Convective Heat and Mass Transfer in Magneto Walter's B Nanofluid Flow Induced by a Rotating Cone Published: 2019 in Arabian Journal for Science and Engineering DOI: 10.1007/S13369-018-3598-Z	45
Shape factor and sphericity features examination of Cu and Cu-Al2O3/ blood through atherosclerotic artery under the impact of wall characteristic Published: Dec 2018 in Journal of Molecular Liquids DOI: 10.1016/J.MOLLIQ.2018.08.122	13

An improvement in heat transfer for rotating flow of hybrid nanofluid: a numerical study Published: Dec 2018 in Canadian Journal of Physics DOI: 10.1139/CJP-2017-0801	20
Convective Heat and Mass Transfer in Magneto Jeffrey Fluid Flow on a Rotating Cone with Heat Source and Chemical Reaction Published: Nov 2018 in Communications in Theoretical Physics DOI: 10.1088/0253-6102/70/5/534	30
Peristaltic transport of a Jeffrey fluid with double-diffusive convection in nanofluids in the presence of inclined magnetic field Published: Nov 2018 in International Journal of Geometric Methods in Modern Physics DOI: 10.1142/S0219887818501815	27
An optimal solution of Cattaneo-Christov heat flux model and chemical processes for 3D flow of Eyring-Powell fluid Published: Oct 2018 in Journal of the Brazilian Society of Mechanical Sciences and Engineering DOI: 10.1007/S40430-018-1451-7	3
Bifurcation Analysis for Physiological Flow of a Nanofluid: Application of Biomechanics Published: Oct 2018 in Current Nanoscience DOI: 10.2174/1573413714666180530092406	3
Pressure induced band-gap tuning in KNbO3 for piezoelectric applications: Quantum DFT-GGA approach Published: Aug 2018 in Chinese Journal of Physics DOI: 10.1016/J.CJPH.2018.06.003	10
Endoscopic Analysis of Wave Propagation with Ag-nanoparticles in Curved Tube Having Permeable Walls Published: Jul 2018 in Current Nanoscience DOI: 10.2174/1573413714666180402130006	11
Consequences of blood mediated nano transportation as drug agent to attenuate the atherosclerotic lesions with permeability impacts Published: Jul 2018 in Journal of Molecular Liquids DOI: 10.1016/J.MOLLIQ.2018.04.069	19
WITHDRAWN: Mathematical analysis of bio-convective micropolar nanofluid Published: Jul 2018 in Journal of Computational Design and Engineering DOI: 10.1016/J.JCDE.2018.07.004	Not indexed in the Web of Science
Transportation of nanoparticles investigation as a drug agent to attenuate the atherosclerotic lesion under the wall properties impact Published: Jul 2018 in Chaos, Solitons & Fractals DOI: 10.1016/J.CHAOS.2018.04.036	20

Inquisition of combined effects of radiation and MHD on elastico-viscous fluid flow past a pervious plate Published: Jul 2018 in Journal of the Brazilian Society of Mechanical Sciences and Engineering DOI: 10.1007/S40430-018-1228-Z	9
Computational study of Falkner-Skan problem for a static and moving wedge Published: Jun 2018 in Sensors and Actuators B: Chemical DOI: 10.1016/J.SNB.2018.02.039	56
Rotating flow of Ag-CuO/H2O hybrid nanofluid with radiation and partial slip boundary effects Published: Jun 2018 in The European Physical Journal E DOI: 10.1140/EPJE/I2018-11682-Y	144
Non-aligned stagnation point flow of radiating Casson fluid over a stretching surface Published: Jun 2018 in AEJ - Alexandria Engineering Journal DOI: 10.1016/J.AEJ.2017.01.010	27
Induced magnetic field analysis for the peristaltic transport of non-Newtonian nanofluid in an annulus Published: Jun 2018 in Mathematics and Computers in Simulation DOI: 10.1016/J.MATCOM.2017.12.009	34
Corrugated walls analysis in microchannels through porous medium under Electromagnetohydrodynamic (EMHD) effects Published: Jun 2018 in Results in Physics DOI: 10.1016/J.RINP.2018.02.023	23
On stagnation point flow of a micro polar nanofluid past a circular cylinder with velocity and thermal slip Published: Jun 2018 in Results in Physics DOI: 10.1016/J.RINP.2018.04.017	86
Heat Transfer Analysis for Three-Dimensional Stagnation-Point Flow of Water-Based Nanofluid Over an Exponentially Stretching Surface Published: May 2018 in Journal of Heat Transfer DOI: 10.1115/1.4038359	13
Investigation of Cu-CuO/blood mediated transportation in stenosed artery with unique features for theoretical outcomes of hemodynamics Published: Mar 2018 in Journal of Molecular Liquids DOI: 10.1016/J.MOLLIQ.2018.01.098	41
Thermophysical analysis for three-dimensional MHD stagnation-point flow of nano-material influenced by an exponential stretching surface Published: Mar 2018 in Results in Physics DOI: 10.1016/J.RINP.2017.12.026	70

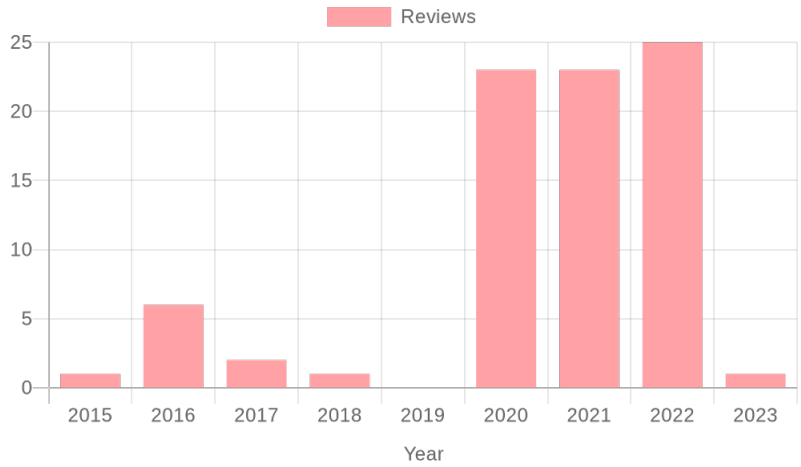
Transverse thermopherotic MHD Oldroyd-B fluid with Newtonian heating — 24
Published: Mar 2018 in Results in Physics
DOI: 10.1016/J.RINP.2017.12.072

Flow of 3D Eyring-Powell fluid by utilizing Cattaneo-Christov heat flux model and chemical processes over an exponentially stretching surface — 41
Published: Mar 2018 in Results in Physics
DOI: 10.1016/J.RINP.2017.12.038

Characteristics of three dimensional stagnation point flow of Hybrid nanofluid past a circular cylinder — 90
Published: Mar 2018 in Results in Physics
DOI: 10.1016/J.RINP.2018.01.024

Verified reviews

REVIEW SUMMARY



REVIEWER SUMMARY

For manuscripts reviewed from date range January 2018 - January 2023

(12) Journal of Thermal Analysis and Calorimetry	(10) Arabian Journal for Science and Engineering
(7) Heat Transfer - Asian Research	(7) Numerical Methods for Partial Differential Equ...
(5) Waves in Random and Complex Media	(5) Propulsion and Power Research
(3) Physica Scripta	(2) International Journal of Applied and Computat...
(2) Proceedings of the Institution of Mechanical E...	(2) Science Progress
(1) Sustainability	(1) Materials
(1) Electronics	(1) ZAMM - Journal of Applied Mathematics and ...
(1) Applied Sciences	(1) Nanomaterials
(1) Proceedings of the Institution of Mechanical E...	(1) Coatings
(1) Applied Mathematics and Mechanics	(1) International Journal of Ambient Energy
(1) Advances in Difference Equations	(1) International Journal of Modern Physics B

(1) Journal of Plastic Film and Sheeting

(1) International Journal of Numerical Methods fo...

(1) Indian Journal of Physics

(1) Multidiscipline Modeling in Materials and Stru...

(1) Microsystem Technologies

(1) Advances in Mechanical Engineering

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Analysis of Heat Transfer Phenomenon in Hydromagnetic Micropolar Nanoliquid over a Vertical Stretching Material Featuring Convective and Isothermal Heating Conditions

2 rounds from Feb 2022 to Jan 2023 for Waves in Random and Complex Media

Dynamics of Bioconvection Radiative MHD Flow with Gyrotactic Microorganisms: An intelligent computation approach

Reviewed: Nov 2022 for Waves in Random and Complex Media

Stability analysis and implication of Darcy magnetic-radiative hybrid reactive nanofluid heat transfer over a shrinkable surface with Ohmic heating

Reviewed: Oct 2022 for Journal of Thermal Analysis and Calorimetry

Analysis on Heat Transfer and Pressure Drop of a Microchannel Heat Sink with Water/ Aluminium Oxide as Nanofluids for Energy Applications

Reviewed: Sep 2022 for Sustainability

Effect of Zirconium Oxide Nanofluid on the Behaviour of Photovoltaic/Thermal System: An Experimental Study

Reviewed: Jul 2022 for Materials

Experimental Study of Thermal and Pressure Performance of Porous Heat Sink Subjected to Al2O3-H2O Nanofluid

Reviewed: Jul 2022 for Electronics

Inclined magnetic field and variable viscosity effects on bioconvection of Casson nanofluid slip flow over a non-linearly stretching sheet

3 rounds from Jan 2022 to Jun 2022 for Propulsion and Power Research

Computation of inclined magnetic field, thermophoresis and Brownian motion effects on mixed convective electroconductive nanofluid flow in a rectangular porous enclosure with adiabatic walls and hot slits

Reviewed: Jun 2022 for Physica Scripta

Impact of slip boundaries on thermal and concentration convection on magneto-tangent hyperbolic nanofluid coated with peristaltic flow in an inclined asymmetric channel

Reviewed: Jun 2022 for ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik

Geometric graph-theoretic aspects of quantum stabilizer codes

Reviewed: Jun 2022 for Physica Scripta

A Combinatorial Approach of the Differential Evolution and Wingsuit Flying Search to Optimize the Free Convection in an Enclosure with Interior Perforated Louvers

Reviewed: Jun 2022 for Arabian Journal for Science and Engineering

Mixed convection in a lid driven square cavity using lattice Boltzmann method: Effects of thermal gradient direction and moving lid length
Reviewed: Apr 2022 for Journal of Thermal Analysis and Calorimetry

Impact of nano-particles on Poiseuille flow of Casson rheological fluid in tilted channel Applications in treatment of clogged arteries
Reviewed: Apr 2022 for International Journal of Applied and Computational Mathematics

Heat Transfer and Pressure Drop Investigation of Tubes with Transverse Ribs of Zigzag Configurations
Reviewed: Mar 2022 for Applied Sciences

COMPUTATION OF AXISYMMETRIC BIOCONVECTION NON-NEWTONIAN NANOFLUID FLOW EXTERNAL TO A SOLID NEEDLE WITH MULTIPLE SLIP AND BLOWING EFFECTS IN DARCY POROUS MEDIUM
2 rounds from Jul 2021 to Feb 2022 for Waves in Random and Complex Media

Computation of magnetized MgO-Ni/Water based hybrid nanofluid stagnation flow on an elastic stretching surface through a porous medium with application in solar energy coatings
Reviewed: Feb 2022 for Nanomaterials

Free Convective Flow Formed by Adiabatic and Isothermal Porous Plates in the Presence of Point/Line Heat Source/Sink
Reviewed: Feb 2022 for Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

MHD Slip Effects Induced by Bidirectional Exponentially Stretching/Shrinking Permeable Sheet Utilizing Nanoparticles Considering Chemical Reaction Effect
Reviewed: Feb 2022 for Heat Transfer - Asian Research

Entropy generation minimization on electromagnetohydrodynamic radiative Casson nanofluid flow over a melting Riga plate
2 rounds from Aug 2021 to Feb 2022 for Heat Transfer - Asian Research

Investigation on the Influence of Multiphase Systems on CO2 Hydrate Formation Using Computational Fluid Dynamics
2 rounds from Nov 2021 to Feb 2022 for Arabian Journal for Science and Engineering

Numerical study to thermal radiation phenomenon and its influence in amelioration the heat transfer mechanism through\ MHD non-Newtonian Casson model
Reviewed: Jan 2022 for Coatings

An MHD Casson fluid flow past porous stretching sheet with threshold Non-Fourier heat flux model
Reviewed: Jan 2022 for Journal of Thermal Analysis and Calorimetry

Modeling single-phase fluid flow in porous media through non-local fractal continuum equation
Reviewed: Jan 2022 for Arabian Journal for Science and Engineering

Analytical study of creeping flow of Maxwell fluid in a permeable slit with linear re-absorption
2 rounds from Oct 2021 to Nov 2021 for Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science

Analogy of Nanoparticle Shapes on the Theory of Convective Heat Transfer of Au–Fe3O4 Casson Hybrid Nanofluid
2 rounds from Sep 2021 to Nov 2021 for Heat Transfer - Asian Research

Implication of Arrhenius Activation Energy and Temperature-Dependent Viscosity on Non-Newtonian Nanomaterial Bio-Convective Flow with Partial Slip
Reviewed: Sep 2021 for Arabian Journal for Science and Engineering

Fractional Model of Casson Nanofluid inside Blood Flow in Presence of Body Acceleration and Chemical
Reviewed: Aug 2021 for Physica Scripta

MHD Mixed Convection and Entropy Analysis of Non-Newtonian Hybrid Nanofluid in a Novel Wavy Elbow Shaped Cavity with Quarter Circle Hot Block and Rotating Cylinder
Reviewed: Aug 2021 for Applied Mathematics and Mechanics

Impact of electromagnetic flow of a MHD Casson fluid over an oscillating porous plate
Reviewed: Aug 2021 for International Journal of Ambient Energy

Hybrid Mixed Convection Flow of Water-Based Silver-Magnesium Oxide Nanofluid near a Stagnation-Point on a Vertical Contracting/Expanding Riga Wedge
Reviewed: Aug 2021 for Propulsion and Power Research

Thermal Analysis on MHD Flow of Ethylene Glycol-based BNNTs Nanofluids via Peristaltically Induced Electroosmotic Pumping in a Curved Microchannel
Reviewed: Aug 2021 for Arabian Journal for Science and Engineering

Peristaltic Blood Transport in Non-Newtonian Fluid Confined by Porous Soaked Tube: A Numerical Study Through Galerkin Finite Element Technique
Reviewed: Jul 2021 for Arabian Journal for Science and Engineering

Numerical investigation of non-similar model for mixed convection analysis in magnetized Sisko fluid flow subjected to heat generation/absorption and magnetic dissipation
Reviewed: Jun 2021 for Science Progress

Unsteady MHD Mixed Convection Stagnation Point Flow of Al_2 O_3+C_2 H_6 O_3 and Al_2 O_3+H_2 O Nanofluids around a Rotating Sphere
Reviewed: Jun 2021 for Propulsion and Power Research

MHD Flow Analysis of a Williamson Nanofluid due to Thomson and Troian Slip Condition
Reviewed: Jun 2021 for International Journal of Applied and Computational Mathematics

Thermal transport features of Carreau fluid over a shrinking sheet with viscous dissipation and non-uniform heat source/sink effects
Reviewed: May 2021 for International Journal of Modern Physics B

Design of Spline-Evolutionary Computing Paradigm for Nonlinear Thin Film Flow Model
Reviewed: May 2021 for Arabian Journal for Science and Engineering

3-D Steady Heat Conduction Solver via Deep Learning
Reviewed: May 2021 for Journal of Thermal Analysis and Calorimetry

Effect of Magnetic Field on the Peristaltic Motion of a Jeffery Fluid with Heat Transfer in a Tube
Reviewed: Apr 2021 for Science Progress

Radiative heat and mass transfer effects on MHD rotating flow with second order slip
Reviewed: Apr 2021 for Journal of Plastic Film and Sheeting

Analytical investigations on MHD free convective flow along with radiation between vertical walls subjected to Hall current coupled with the induced magnetic field
Reviewed: Apr 2021 for Arabian Journal for Science and Engineering

Electroosmosis forces EOF driven boundary layer flow for a non-Newtonian fluid with planktonic microorganism: Darcy Forchheimer model
Reviewed: Dec 2020 for International Journal of Numerical Methods for Heat & Fluid Flow

Numerical Analysis on Temperature Distribution of Renewable Solar Energy Using Casson Nanofluid in Parabolic Trough Solar Collector
Reviewed: Dec 2020 for Numerical Methods for Partial Differential Equations

Effects of temperature dependent viscosity and thermal conductivity on natural convection flow along a curved surface in the presence of exothermic catalytic chemical reaction
Reviewed: Dec 2020 for Numerical Methods for Partial Differential Equations

Application of Differential transform and Pade approximant on the free convection of viscous fluid past a stretching surface
Reviewed: Nov 2020 for Numerical Methods for Partial Differential Equations

Entropy Generation on the MHD Peristaltic Flow of Casson Nanofluid in Vertical Non-uniform Channel with Convective Conditions
Reviewed: Nov 2020 for Numerical Methods for Partial Differential Equations

A Mathematical Model for Peristaltic Transport of Compressible Upper Convected Maxwell Fluid in a Micro Channel: Enhancing Energy Performance System
Reviewed: Nov 2020 for Numerical Methods for Partial Differential Equations

Time Dependent Entropy Analysis with Cattaneo-Christov Heat Flux Model for Water Based Powell-Eyring Nanofluid Flow Over a Flat Stretching Surface
Reviewed: Nov 2020 for Numerical Methods for Partial Differential Equations

Comparative note on the three-dimensional flow of nanofluid composed of metal and oxides past a stretching sheet accelerated exponentially
Reviewed: Nov 2020 for Numerical Methods for Partial Differential Equations

Mathematical modeling of non-Newtonian fluid in arterial blood flow through various stenoses
Reviewed: Nov 2020 for Advances in Difference Equations

Soret, heat generation, radiation and porous effects on MHD free convection flow past an infinite plate with oscillating temperature
Reviewed: Aug 2020 for Journal of Thermal Analysis and Calorimetry

Mathematical Modeling of Convective Diffusive Mass Transfer in Ferrofluids with Reference to Targeted Drug Delivery
Reviewed: Jul 2020 for Multidiscipline Modeling in Materials and Structures

Numerical study of electroosmosis-induced alterations in peristaltic pumping of couple stress hybrid nanofluids through microchannel
Reviewed: Jun 2020 for Indian Journal of Physics

Improved thermal energy storage behavior of polyethylene glycol-based NEOPCM containing aluminum oxide nanoparticles for solar thermal applications
Reviewed: Jun 2020 for Journal of Thermal Analysis and Calorimetry

Entropy Generation in the Second Grade Nanofluid Flow with Cattaneo-Christov Heat Flux Model Under the Influence of Hall Current
Reviewed: May 2020 for Heat Transfer - Asian Research

Numerical spectral examination of EMHD mixed convective flow of second-grade nanofluid towards a vertical Riga plate using an advanced version of the revised Buongiorno's nanofluid model
Reviewed: May 2020 for Journal of Thermal Analysis and Calorimetry

Analysis of activation energy and entropy generation in mixed convective peristaltic transport of Sutterby nanofluid
Reviewed: May 2020 for Journal of Thermal Analysis and Calorimetry

Magneto-Hydrodynamic Peristaltic Flow of Unsteady Tangent-Hyperbolic Fluid in an Asymmetric Channel
Reviewed: Apr 2020 for Heat Transfer - Asian Research

Scaling group analysis of bioconvective micropolar fluid flow and heat transfer in a porous medium
Reviewed: Apr 2020 for Journal of Thermal Analysis and Calorimetry

Mixed convection heat transfer of AL(2)O(3)nanofluid in a horizontal channel subjected with two heat sources
Reviewed: Apr 2020 for Journal of Thermal Analysis and Calorimetry

Natural convection flows of Prabhakar-like fractional Maxwell fluids with generalized thermal transport
Reviewed: Apr 2020 for Journal of Thermal Analysis and Calorimetry

Investigation on TiO2-Cu/H2O hybrid nanofluid with slip conditions in MHD peristaltic flow of Jeffrey material
Reviewed: Mar 2020 for Journal of Thermal Analysis and Calorimetry

Theoretical analysis of Cattaneo-Christov heat and mass fluxes in Williamson nanomaterial blood flow: A analytical approach
Reviewed: Feb 2020 for Advances in Mechanical Engineering

Unsteady Stagnation Point Flow of Maxwell Nanofluid Over Stretching Disk with Joule Heating
Reviewed: Feb 2020 for Arabian Journal for Science and Engineering

Peristaltic pumping with double diffusive natural convective nanofluid in a lopsided channel with accounting thermophoresis and Brownian moment
Reviewed: May 2018 for Microsystem Technologies