

Hassan Waqas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	On doubly stratified bioconvective transport of Jeffrey nanofluid with gyrotactic motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 1571-1583.	6.4	47
2	Thermo-bioconvective transport of magneto-Casson nanofluid over a wedge containing motile microorganisms and variable thermal conductivity. AEJ - Alexandria Engineering Journal, 2022, 61, 2444-2454.	6.4	14
3	Significance of magnetic field and activation energy on the features of stratified mixed radiative-convective couple-stress nanofluid flows with motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 1425-1436.	6.4	39
4	Numerical investigation for 3D bioconvection flow of Carreau nanofluid with heat source/sink and motile microorganisms. AEJ - Alexandria Engineering Journal, 2022, 61, 2366-2375.	6.4	19
5	Numerical study for bio-convection flow of tangent hyperbolic nanofluid over a Riga plate with activation energy. AEJ - Alexandria Engineering Journal, 2022, 61, 1803-1814.	6.4	38
6	Convective heat transfer in magnetized flow of nanofluids between two rotating parallel disks. International Journal of Chemical Reactor Engineering, 2022, 20, 411-422.	1.1	5
7	Numerical computation for entropy generation in Darcy-Forchheimer transport of hybrid nanofluids with Cattaneo-Christov double-diffusion. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 1861-1882.	2.8	30
8	Importance of shape factor in Sisko nanofluid flow considering gold nanoparticles. AEJ - Alexandria Engineering Journal, 2022, 61, 3665-3672.	6.4	28
9	Maxwell time-dependent nanofluid flow over a wedge covered with gyrotactic microorganism: an activation energy process. International Journal of Ambient Energy, 2022, 43, 5560-5570.	2.5	15
10	Thermal analysis of magnetized flow of AA7072-AA7075/blood-based hybrid nanofluids in a rotating channel. AEJ - Alexandria Engineering Journal, 2022, 61, 3059-3068.	6.4	15
11	Significance of melting process in magnetized transport of hybrid nanofluids: A three-dimensional model. AEJ - Alexandria Engineering Journal, 2022, 61, 3949-3957.	6.4	5
12	Heat transfer enhancement of hybrid nanofluids over porous cone. International Journal of Chemical Reactor Engineering, 2022, 20, 465-473.	1.1	6
13	Aspects of thermal diffusivity and melting phenomenon in Carreau nanofluid flow confined by nonlinear stretching cylinder with convective Marangoni boundary constraints. Mathematics and Computers in Simulation, 2022, 195, 138-150.	4.4	18
14	Numerical investigation for melting heat transport of nanofluids due to stretching surface with Cattaneo-Christov thermal model. AEJ - Alexandria Engineering Journal, 2022, 61, 6635-6644.	6.4	14
15	Comprehensive analysis of thermally radiative transport of Sisko fluid over a porous stretchable curved surface with gold nanoparticles. International Journal of Modern Physics B, 2022, 36, .	2.0	2
16	Cattaneo-Christov heat and mass flux effect on upper-convected Maxwell nanofluid with gyrotactic motile microorganisms over a porous sheet. Sustainable Energy Technologies and Assessments, 2022, 52, 102037.	2.7	5
17	Computational Analysis of Nanoparticle Shapes on Hybrid Nanofluid Flow Due to Flat Horizontal Plate via Solar Collector. Nanomaterials, 2022, 12, 663.	4.1	23
18	On unsteady 3D bio-convection flow of viscoelastic nanofluid with radiative heat transfer inside a solar collector plate. Scientific Reports, 2022, 12, 2952.	3.3	14

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19	Evaluating the Higher-Order Slip Consequence in Bioconvection Nanofluid Flow Configured by a Variable Thick Surface of Disk. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	2.7	8
20	Investigation of thermal stratification and nonlinear thermal radiation in Darcy-Forchheimer transport of hybrid nanofluid by rotating disk with Marangoni convection. <i>International Journal of Ambient Energy</i> , 2022, 43, 6724-6731.	2.5	7
21	Physical attributes of bio-convection in nanofluid flow through a paraboloid of revolution on horizontal surface with motile microorganisms. <i>International Communications in Heat and Mass Transfer</i> , 2022, 133, 105947.	5.6	17
22	Inspection of thermal jump conditions on nanofluids with nanoparticles and multiple slip effects. <i>Scientific Reports</i> , 2022, 12, 5586.	3.3	3
23	Computation of nonlinear thermal radiation in magnetized nanofluid flow with entropy generation. <i>Applied Mathematics and Computation</i> , 2022, 423, 126900.	2.2	20
24	Impact of electro-magneto-hydrodynamics in radiative flow of nanofluids between two rotating plates. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 10307-10317.	6.4	10
25	Thermal transport analysis of six circular microchannel heat sink using nanofluid. <i>Scientific Reports</i> , 2022, 12, 8035.	3.3	14
26	Recent progress in melting heat phenomenon for bioconvection transport of nanofluid through a lubricated surface with swimming microorganisms. <i>Scientific Reports</i> , 2022, 12, 8447.	3.3	14
27	Comparative analysis of hybrid nanofluids with Cattaneo-Christov heat flux model: A thermal case study. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102212.	5.7	21
28	Investigation of 3D flow of magnetized hybrid nanofluid with heat source/sink over a stretching sheet. <i>Scientific Reports</i> , 2022, 12, .	3.3	15
29	Bioconvection flow of magnetized Carreau nanofluid under the influence of slip over a wedge with motile microorganisms. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 945-957.	3.6	130
30	A proposed unsteady bioconvection model for transient thin film flow of rate-type nanoparticles configured by rotating disk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1639-1654.	3.6	11
31	Significance of nonlinear thermal radiation in 3D Eyring-Powell nanofluid flow with Arrhenius activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 929-944.	3.6	142
32	Numerical investigation on bioconvection flow of Oldroyd-B nanofluid with nonlinear thermal radiation and motile microorganisms over rotating disk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 523-539.	3.6	55
33	Effects of nonlinear thermal radiation and activation energy on modified second-grade nanofluid with Cattaneo-Christov expressions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1175-1186.	3.6	44
34	A mathematical model for bioconvection flow of Williamson nanofluid over a stretching cylinder featuring variable thermal conductivity, activation energy and second-order slip. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 205-217.	3.6	57
35	Falkner-Skan time-dependent bioconvection flow of cross nanofluid with nonlinear thermal radiation, activation energy and melting process. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105028.	5.6	45
36	On bio-convection thermal radiation in Darcy Forchheimer flow of nanofluid with gyrotactic motile microorganism under Wu's slip over stretching cylinder/plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1520-1546.	2.8	38

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37	Assessment of bioconvection in magnetized Sutterby nanofluid configured by a rotating disk: A numerical approach. <i>Modern Physics Letters B</i> , 2021, 35, 2150202.	1.9	35
38	Numerical simulation of squeezing flow Jeffrey nanofluid confined by two parallel disks with the help of chemical reaction: effects of activation energy and microorganisms. <i>International Journal of Chemical Reactor Engineering</i> , 2021, 19, 717-725.	1.1	27
39	Three-Dimensional Radiative Bioconvective Flow of a Sisko Nanofluid with Motile Microorganisms. <i>Coatings</i> , 2021, 11, 335.	2.6	12
40	Slip flow of micropolar nanofluid over a porous rotating disk with motile microorganisms, nonlinear thermal radiation and activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105161.	5.6	53
41	Double stratified analysis for bioconvection radiative flow of Sisko nanofluid with generalized heat/mass fluxes. <i>Physica Scripta</i> , 2021, 96, 055004.	2.5	51
42	Bioconvection aspects in non-Newtonian three-dimensional Carreau nanofluid flow with Cattaneo-Christov model and activation energy. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1317-1330.	2.6	17
43	Numerical simulation for bio-convection flow of magnetized non-Newtonian nanofluid due to stretching cylinder/plate with swimming motile microorganisms. <i>European Physical Journal: Special Topics</i> , 2021, 230, 1239-1256.	2.6	9
44	Second-order slip effect on bio-convictional viscoelastic nanofluid flow through a stretching cylinder with swimming microorganisms and melting phenomenon. <i>Scientific Reports</i> , 2021, 11, 11208.	3.3	20
45	Numerical analysis of dual variable of conductivity in bioconvection flow of Carreau-Yasuda nanofluid containing gyrotactic motile microorganisms over a porous medium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2033-2044.	3.6	46
46	Thermo-bioconvection transport of nanofluid over an inclined stretching cylinder with Cattaneo-Christov double-diffusion. <i>Communications in Theoretical Physics</i> , 2021, 73, 075006.	2.5	21
47	Thermally radioactive bioconvection flow of Carreau nanofluid with modified Cattaneo-Christov expressions and exponential space-based heat source. <i>AJ - Alexandria Engineering Journal</i> , 2021, 60, 3073-3086.	6.4	113
48	On the magnetized 3D flow of hybrid nanofluids utilizing nonlinear radiative heat transfer. <i>Physica Scripta</i> , 2021, 96, 095202.	2.5	28
49	Brownian motion and thermophoresis effects on bioconvection of rotating Maxwell nanofluid over a Riga plate with Arrhenius activation energy and Cattaneo-Christov heat flux theory. <i>Thermal Science and Engineering Progress</i> , 2021, 23, 100863.	2.7	35
50	Flash Flood Susceptibility Assessment and Zonation Using an Integrating Analytic Hierarchy Process and Frequency Ratio Model for the Chitral District, Khyber Pakhtunkhwa, Pakistan. <i>Water (Switzerland)</i> , 2021, 13, 1650.	2.7	55
51	Bioconvection mechanism using third-grade nanofluid flow with Cattaneo-Christov heat flux model and Arrhenius kinetics. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150178.	2.0	16
52	Bioconvection flow of Casson nanofluid by rotating disk with motile microorganisms. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2392-2407.	5.8	19
53	Nonlinear thermally radiative heat transport for brinkman type micropolar nano-material over an inclined surface with motile microorganisms and exponential heat source. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105351.	5.6	13
54	Bio-convective couple stress nanofluid behavior analysis with temperature-dependent viscosity and higher order slip encountered by a moving surface. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150199.	2.0	4

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55	Numerical simulation for bioconvictional flow of burger nanofluid with effects of activation energy and exponential heat source/sink over an inclined wall under the swimming microorganisms. <i>Scientific Reports</i> , 2021, 11, 14305.	3.3	10
56	Consequences of Fourier's and Fick's laws in bioconvective couple stress nanofluid flow configured by an inclined stretchable cylinder. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150176.	2.0	9
57	Inspection of modified Fourier's and Fick's laws in magnetized transport of Oldroyd-B nanofluid with swimming motile microorganisms: a theoretical model. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	2
58	Magnetized bioconvection flow of Sutterby fluid characterized by the suspension of nanoparticles across a wedge with activation energy. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000349.	1.6	13
59	Bioconvection transport of Carreau nanofluid with magnetic dipole and nonlinear thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101129.	5.7	40
60	Impact of MHD radiative flow of hybrid nanofluid over a rotating disk. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101015.	5.7	103
61	Applications of activation energy along with thermal and exponential space-based heat source in bioconvection assessment of magnetized third grade nanofluid over stretched cylinder/sheet. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101043.	5.7	32
62	Cattaneo-Christov double diffusions theories with bio-convection in nanofluid flow to enhance the efficiency of nanoparticles diffusion. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101017.	5.7	25
63	Numerical performance of thermal conductivity in Bioconvection flow of cross nanofluid containing swimming microorganisms over a cylinder with melting phenomenon. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101181.	5.7	72
64	Numerical treatment with Lobatto-IIIa scheme magneto-thermo-natural convection flow of casson nanofluid (MoS ₂ -Cu/SA) configured by a stretching cylinder in porous medium with multiple slips. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101132.	5.7	10
65	Bioconvection transport of magnetized Walter's B nanofluid across a cylindrical disk with nonlinear radiative heat transfer. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101097.	5.7	8
66	Numerical study for bioconvection transport of micropolar nanofluid over a thin needle with thermal and exponential space-based heat source. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101158.	5.7	5
67	Thermal transport of hybrid nanofluids with entropy generation: A numerical simulation. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150218.	2.0	8
68	Melting phenomenon of non-linear radiative generalized second grade nanoliquid. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101011.	5.7	16
69	Combined magnetic and porosity effects on flow of time-dependent tangent hyperbolic fluid with nanoparticles and motile gyrotactic microorganism past a wedge with second-order slip. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 100962.	5.7	11
70	Entropy minimization in mixed convective Falkner-Skan flow of ZnO-SAE50 nanolubricant over stationary/moving Riga plate. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101176.	5.7	18
71	Thermal effect on bioconvection flow of Sutterby nanofluid between two rotating disks with motile microorganisms. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101136.	5.7	41
72	Recent progress in melting phenomenon for magnetized hybrid nanofluid flow over a stretching surface with temperature dependent viscosity: a comparative study. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3965-3973.	5.8	7

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91	Cattaneo-Christov heat flux and entropy generation on hybrid nanofluid flow in a nozzle of rocket engine with melting heat transfer. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101504.	5.7	36
92	Numerical simulation for magnetized transport of hybrid nanofluids with exponential space-based heat source. <i>International Journal of Modern Physics B</i> , 2021, 35, .	2.0	2
93	Heat transfer enhancement in stagnation point flow of ferro-copper oxide/water hybrid nanofluid: A special case study. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101615.	5.7	9
94	Thermal transport of bio-convection flow of micropolar nanofluid with motile microorganisms and velocity slip effects. <i>Physica Scripta</i> , 2021, 96, 015220.	2.5	10
95	Study of homogeneous and heterogeneous reactions in bioconvection stagnation point slip flow of Walter's-B nanofluid with nonlinear thermal radiation and activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105729.	5.6	12
96	Bioconvection in the Rheology of Magnetized Couple Stress Nanofluid Featuring Activation Energy and Wu's Slip. <i>Journal of Non-Equilibrium Thermodynamics</i> , 2020, 45, 81-95.	4.2	99
97	In vitro cytotoxicity study of virgin, ethylenediaminetetraacetic acid- and hexamethylenetetramine-capped silica particles synthesized by precipitation method. <i>Chemical Papers</i> , 2020, 74, 1779-1789.	2.2	2
98	Unsteady transient slip flow of Williamson nanofluid containing gyrotactic microorganism and activation energy. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 4315-4328.	6.4	49
99	Simultaneous effects of bioconvection and velocity slip in three-dimensional flow of Eyring-Powell nanofluid with Arrhenius activation energy and binary chemical reaction. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104738.	5.6	39
100	Novel Physical Insights into the Thermodynamic Irreversibilities Within Dissipative EMHD Fluid Flows Past over a Moving Horizontal Riga Plate in the Coexistence of Wall Suction and Joule Heating Effects: A Comprehensive Numerical Investigation. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9423-9438.	3.0	144
101	Influence of bioconvection on Maxwell nanofluid flow with the swimming of motile microorganisms over a vertical rotating cylinder. <i>Chinese Journal of Physics</i> , 2020, 68, 558-577.	3.9	40
102	Numerical simulation for bioconvection effects on MHD flow of Oldroyd-B nanofluids in a rotating frame stretching horizontally. <i>Mathematics and Computers in Simulation</i> , 2020, 178, 166-182.	4.4	42
103	Activation energy and bioconvection aspects in generalized second-grade nanofluid over a Riga plate: a theoretical model. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4445-4458.	3.1	31
104	A Numerical Exploration of Modified Second-Grade Nanofluid with Motile Microorganisms, Thermal Radiation, and Wu's Slip. <i>Symmetry</i> , 2020, 12, 393.	2.2	97
105	Significance of bioconvection in chemical reactive flow of magnetized Carreau-Yasuda nanofluid with thermal radiation and second-order slip. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1293-1306.	3.6	76
106	Bioconvection in Cross Nano-Materials with Magnetic Dipole Impacted by Activation Energy, Thermal Radiation, and Second Order Slip. <i>Symmetry</i> , 2020, 12, 1019.	2.2	12
107	Significance of Bioconvective and Thermally Dissipation Flow of Viscoelastic Nanoparticles with Activation Energy Features: Novel Biofuels Significance. <i>Symmetry</i> , 2020, 12, 214.	2.2	44
108	Utilization of Second Order Slip, Activation Energy and Viscous Dissipation Consequences in Thermally Developed Flow of Third Grade Nanofluid with Gyrotactic Microorganisms. <i>Symmetry</i> , 2020, 12, 309.	2.2	40

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109	EMHD flow of non-Newtonian nanofluids over thin needle with Robinson's condition and Arrhenius pre-exponential factor law. <i>Physica Scripta</i> , 2020, 95, 115219.	2.5	39
110	Significance of activation energy and Wu's slip features in Cross nanofluid with motile microorganisms. <i>Communications in Theoretical Physics</i> , 2020, 72, 105001.	2.5	10
111	Activation Energy and Thermal Radiation Aspects in Bioconvection Flow of Rate-Type Nanoparticles Configured by a Stretching/Shrinking Disk. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	2.3	15
112	Theoretical analysis of tangent hyperbolic nanoparticles with combined electrical MHD, activation energy and Wu's slip features: a mathematical model. <i>Physica Scripta</i> , 2019, 94, 125211.	2.5	61
113	Significance of the nonlinear radiative flow of micropolar nanoparticles over porous surface with a gyrotactic microorganism, activation energy, and Nield's condition. <i>Heat Transfer - Asian Research</i> , 2019, 48, 3230-3256.	2.8	25
114	Analysis on the bioconvection flow of modified second-grade nanofluid containing gyrotactic microorganisms and nanoparticles. <i>Journal of Molecular Liquids</i> , 2019, 291, 111231.	4.9	154
115	Thermally developed Falkner-Skan bioconvection flow of a magnetized nanofluid in the presence of a motile gyrotactic microorganism: Buongiorno's nanofluid model. <i>Physica Scripta</i> , 2019, 94, 115304.	2.5	120
116	Effective Prandtl Aspects on Bio-Convective Thermally Developed Magnetized Tangent Hyperbolic Nanoliquid With Gyrotactic Microorganisms and Second Order Velocity Slip. <i>IEEE Access</i> , 2019, 7, 130008-130023.	4.2	13
117	Slip flow of Maxwell viscoelasticity-based micropolar nanoparticles with porous medium: a numerical study. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2019, 40, 1255-1268.	3.6	46
118	Radiative flow of Maxwell nanofluid containing gyrotactic microorganism and energy activation with convective Nield conditions. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1663-1687.	2.8	47
119	Activation Energy and Second Order Slip in Bioconvection of Oldroyd-B Nanofluid over a Stretching Cylinder: A Proposed Mathematical Model. <i>Processes</i> , 2019, 7, 914.	2.8	67
120	Interaction of Wu's Slip Features in Bioconvection of Eyring Powell Nanoparticles with Activation Energy. <i>Processes</i> , 2019, 7, 859.	2.8	75
121	Novel Numerical Computations on Flow of Nanoparticles in Porous Rotating Disk with Multiple Slip Effects and Microorganisms. <i>Journal of Nanofluids</i> , 2019, 8, 1423-1432.	2.7	50
122	Analytical Solution for the Flow of a Generalized Oldroyd-B Fluid in a Circular Cylinder. <i>Open Journal of Mathematical Sciences</i> , 2017, 1, 85-96.	0.7	6
123	MHD Forced Convective Flow of Micropolar Fluids Past a Moving Boundary Surface with Prescribed Heat Flux and Radiation. <i>British Journal of Mathematics & Computer Science</i> , 2017, 21, 1-14.	0.3	13
124	Unique morphologies of zinc oxide synthesized by thermal decomposition and co-precipitation routes: Ultraviolet absorption and luminescence characteristics. <i>Crystal Research and Technology</i> , 2015, 50, 379-388.	1.3	9
125	Joule heating, activation energy and modified diffusion analysis for 3D slip flow of tangent hyperbolic nanofluid with gyrotactic microorganisms. <i>Modern Physics Letters B</i> , 0, , 2150278.	1.9	12
126	Importance of bioconvection in 3D viscoelastic nanofluid flow due to exponentially stretching surface with nonlinear radiative heat transfer and variable thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	8

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127	Numerical simulation for magnetic dipole in bioconvection flow of Jeffrey nanofluid with swimming motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-18.	2.7	15
128	Bioconvection transport of magnetized micropolar nanofluid by a Riga plate with non-uniform heat sink/source. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	6
129	Numerical study for bioconvection in magnetized flow of micropolar nanofluid utilizing gyrotactic motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-16.	2.7	4
130	Marangoni bioconvective flow of Reiner-Philippoff nanofluid with melting phenomenon and nonuniform heat source/sink in the presence of a swimming microorganisms. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	22
131	Heat transfer improvement in hybrid nanofluid flow over a moving sheet with magnetic dipole. <i>Waves in Random and Complex Media</i> , 0, , 1-15.	2.7	21
132	Melting heat transfer in bioconvective transport of Williamson nanofluid over a wedge with exponential space and thermal-dependent heat source. <i>Waves in Random and Complex Media</i> , 0, , 1-31.	2.7	0
133	A thermal model for bio-convection transport of nanofluid due to stretching cylinder with Marangoni boundary conditions. <i>Waves in Random and Complex Media</i> , 0, , 1-17.	2.7	7
134	Shear thinning and shear thickening aspects in magnetized 3D cross-nanofluid flow with activation energy and motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	1
135	Cattaneo-Christov double diffusion and bioconvection in magnetohydrodynamic three-dimensional nanomaterials of non-Newtonian fluid containing microorganisms with variable thermal conductivity and thermal diffusivity. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	3
136	Marangoni transport of Jeffrey nanofluid due to circular horizontal cylinder with motile microorganisms. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	0
137	Thermal outcomes of Williamson pseudo-plastic nanofluid with microorganisms due to the heated Riga surface with bio-fuel applications. <i>Waves in Random and Complex Media</i> , 0, , 1-24.	2.7	2