

Dr. ARSHAD KHAN

PUBLICATIONS

1. Mohammed Abdulhameed, Ilyas Khan, **Arshad Khan**, & Sharidan Shafie, Closed-form solutions for unsteady magnetohydrodynamic flow in a porous medium with wall transpiration, *Journal Porous Media* (ISI Indexed, **I.F 0.467**), 16(9), 795-809(2013).
2. I. Khan, **A. Khan**, A. Farhad, M. Qasim, and S. Sharidan, Unsteady Hydromagnetic Rotating Flow through an Oscillating Porous Plate Embedded in a Porous Medium, *Mathematical Problems in Engineering* (ISI Indexed, **I.F 1.082**) (2013) 8 pages.
3. **Arshad Khan**, Ilyas Khan, Farhad Ali, Sami Ulhaq and Sharidan Shafie, Effects of wall shear stress on unsteady MHD conjugate flow in a porous medium with ramped wall temperature, *PLoS ONE*, (ISI Indexed, **I.F 3.234, Q1**), 9(3) (2014) 1-12
4. **Arshad Khan**, Ilyas Khan, Farhad Ali and Sharidan Shafie, Effects of wall shear stress on MHD conjugate flow over an inclined plate in a porous medium with ramped wall temperature, *Mathematical Problems in Engineering* (ISI Indexed, **I.F 0.762**) (2014) 15 pages, <http://dx.doi.org/10.1155/2014/861708>.
5. **Arshad Khan**, Ilyas Khan, Farhad Ali and Sharidan Shafie, A Note on Entropy Generation in MHD Flow over a Vertical Plate Embedded in a Porous Medium with Arbitrary Shear Stress and Ramped Temperature, *Journal of Porous Media* (ISI Indexed, **I.F 1.144**)(2016).
6. Asma Khalid, Ilyas Khan, **Arshad Khan** and Sharidan Shafie, Conjugate transfer of heat and mass in unsteady flow of a micropolar fluid with wall couple stress, *AIP Advances*, (**ISI Indexed, I.F 1.444**) (2015).
7. Aaiza Gul, Ilyas Khan, Asma Khalid, Sharidan Shafie and **Arshad Khan**, Heat transfer in MHD mixed convection flow of a ferrofluid along a vertical channel, *PLoS ONE*, (ISI Indexed, **I.F 3.057, Q1**), (2015) 10(11): e0141213. doi:10.1371/journal.pone.0141213.
8. **Arshad Khan**, Kashif Ali Abro, Asifa Tassaddiq and Ilyas Khan, Atangana–Baleanu and Caputo Fabrizio Analysis of Fractional Derivatives for Heat and Mass Transfer of Second Grade Fluids over a Vertical Plate: A Comparative Study, *Entropy*, (ISI Indexed, **I.F 2.305, Q2**),(2017).

9. **Arshad Khan**, Ilyas Khan, Asma Khalid and Sharidan Shafie, Effects of arbitrary shear stress on unsteady free convection flow of Casson fluid past a vertical plate, Results in Physics, (ISI Indexed, **I.F 2.147**), (2017).
10. Nadeem Ahmad Sheikh, Farhad Ali, Ilyas Khan, Muhammad Saqib and **Arshad Khan**, MHD flow of micropolar fluid over an oscillating vertical plate embedded in a porous media with constant temperature and concentration, Mathematical Problems in Engineering (**ISI Indexed, I.F 1.145**) (2017).
11. **Arshad Khan**, Ilyas Khan, Asim Khan and Sharidan Shafie, Heat Transfer Analysis in MHD Flow of Casson Fluid Over a Vertical Plate Embedded in a Porous Medium with Arbitrary Wall Shear Stress, Journal of Porous Media (ISI Indexed, **I.F 1.490**) (2018).
12. **Arshad Khan**, Faizan ul Karim, Ilyas Khan, Farhad Ali, Dolat Khan, Irreversibility analysis in unsteady flow over a vertical plate with arbitrary wall shear stress and ramped wall temperature, Results in Physics, (ISI Indexed, **I.F 3.042**), (2018).
13. Asma Khalid, Ilyas Khana, **Arshad Khan**, Sharidan Shafie, Influence of wall couple stress in MHD flow of a micropolar fluid in a porous medium with energy and concentration transfer, Results in Physics, (ISI Indexed, **I.F 3.042**), (2018).
14. Muhammad Saqib, Farhad Ali, Ilyas Khan, Nadeem Ahmad Sheikh, **Arshad Khan**, Entropy Generation in Different Types of Fractionalized Nanofluids, Arabian Journal for Science and Engineering, (ISI Indexed, **I.F 1.518**), (2018).
15. **Arshad Khan**, Dolat Khan, Ilyas Khan, Farhad Ali, Faizan ul Karim and Muhammad Imran, MHD Flow of Sodium Alginate- Based Casson Type Nanofluid Passing Through A Porous Medium With Newtonian Heating, Scientific Reports, (ISI Indexed, **I.F 4.011**), (2018).
16. **Arshad Khan** , Faizan ul Karim , Ilyas Khan , Tawfeeq Abdullah Alkanhal, Farhad Ali, Dolat Khan and Kottakkaran Sooppy Nisar, Entropy Generation in MHD Conjugate Flow with Wall Shear Stress over an Infinite Plate: Exact Analysis, Entropy, (ISI Indexed, **I.F 2.494, Q2**),(2019).
17. Dolat Khan, **Arshad Khan**, Ilyas Khan, Farhad Ali1, Faizan ul Karim & I. Tlili, Effects of Relative Magnetic Field, Chemical Reaction, Heat Generation and Newtonian Heating on Convection Flow of Casson Fluid over a Moving Vertical Plate Embedded in a Porous Medium, Scientific Reports, (ISI Indexed, **I.F 3.998**), (2019).

18. **Arshad Khan**, Dolat Khan, Ilyas Khan, Farhad Ali, Faizan ul Karim and Kottakkaran Sooppy Nisar, MHD Flow of Brinkman Type H₂O-Cu, Ag, TiO₂ and Al₂O₃ Nanofluids with Chemical Reaction and Heat Generation Effects in a Porous Medium, Journal of Magnetism, (ISI Indexed, **I.F 0.480**), (2019).
19. **Arshad Khan**, Dolat Khan, Ilyas Khan , Muhammad Taj , Imran Ullah, MHD Flow and Heat Transfer in Sodium Alginate Fluid with Thermal Radiation and Porosity Effects: Fractional Model of Atangana–Baleanu Derivative of Non-Local and Non-Singular Kernel, Symmetry, (ISI Indexed, **I.F 2.645**) (2019).
20. Imran Ullah, Kottakkaran Nisar, Sharidan, **Arshad Khan** and Ilyas Khan, Unsteady Free Convection Flow of Casson Nanofluid Over a Nonlinear Stretching Sheet, IEEE Access, (ISI Indexed, **I.F 3.745**) (2019).
21. A Shah, JI Bangash, AW Khan, I Ahmed, **A Khan**, Comparative Analysis of Median Filter and its Variants for Removal of Impulse Noise from Gray Scale Images, Journal of King Saud University Science, (ISI Indexed, **I.F 3.819**) (2020).
22. M Taj ,**Arshad Khan** et al, Effects of elastic medium on buckling of microtubules due to bending and torsion, Advances in Concrete Construction, (ISI Indexed, **I.F 2.443**) (2020).
23. A. Saeed, **A Khan** et al, Darcy-Forchheimer MHD Hybrid Nanofluid Flow and Heat Transfer Analysis over a Porous Stretching Cylinder, Coatings (ISI Indexed, **I.F 2.330**) (2020).
24. Cui Zou, **Arshad Khan** et al, Mandelbrot Sets and Julia Sets in Picard-Mann Orbit, IEEE Access, (ISI Indexed, **I.F 3.745**) (2020).
25. Dong Li, **Arshad Khan** et al, CR iteration in generation of antifractals with s-convexity, IEEE Access (ISI Indexed, **I.F 3.745**) (2020).
26. Dolat Khan, Gohar Ali, Arshad Khan, Ilyas Khan, Chu, Yu-Ming and Nisar, K Sooppy A New Idea of Fractal-fractional Derivative with Power Law Kernel for Free Convection Heat Transfer in a Channel Flow between Two Static Upright Parallel Plates, Computers, Materials & Continua, (ISI Indexed, **I.F 4.890**) (2020).
27. Gohar Ali, Farhad Ali, **Arshad Khan**, Abdul Hamid Ganie, Ilyas Khan, A generalized magnetohydrodynamic two-phase free convection flow of dusty Casson fluid between parallel plates, Case Studies in Thermal Engineering, (ISI Indexed, **I.F 4.724**) (2022).

28. Ilyas Khan, Dolat Khan, Gohar Ali, **Arshad Khan**, Effect of Newtonian heating on two-phase fluctuating flow of dusty fluid: Poincaré–Lighthill perturbation technique, *Eur. Phys. J. Plus* (ISI Indexed, **I.F 3.911**) (2021).
29. Ilyas Khan, Dolat Khan, Gohar Ali, Arshad Khan , New results of fractal fractional model of drilling nanoliquids with clay nanoparticles, *Fractals* (ISI Indexed, **I.F 4.555**) (2022).
30. Dolat Khan, Poom Kumam, Ilyas Khan, Kanokwan Sitthithakerngkiet, **Arshad Khan**, Gohar Ali, Unsteady rotating MHD flow of a second-grade hybrid nanofluid in a porous medium: Laplace and Sumudu transforms, *Heat Transfer* (ISI Indexed, **I.F 4.11**) (2022).
31. Dolat Khan, Poom Kumam, Wiboonsak Watthayu, **Arshad Khan**, Ilyas Khan & Muhammad Arif, *Parmana Journal of Physics*, Mathematical analysis of second law on Casson fluid through a vertical plate with arbitrary shear stress and exponential heating, (ISI Indexed, **I.F 2.669**) (2022).
32. Muhammad Janas Khan, Fasee Ullah , Muhammad Imran ,Jahangir Khan ,**Arshad Khan** Ahmed S. AlGhamdi and Sultan S. Alshamrani ,Identifying Challenges for Clients in Adopting Sustainable Public Cloud Computing, *Sustainability*, (ISI Indexed, **I.F 3.9**) (2022).
33. Shahzad Hameed,Qurratul-Ain Minhas,Sheeraz Ahmad,Fasee Ullah , **Arshad Khan**, Atif Khan,M. Irfan Uddin and Qiaozhi Hua Connectivity of Drones in FANETs Using Biologically Inspired Dragonfly Algorithm (DA) through Machine Learning, *Wireless Communications and Mobile Computing*, (ISI Indexed, **I.F 2.146**) (2022).
34. Farhad Ali, Gohar Ali, **Arshad Khan**, Ilyas Khan,Elsayed Tag Eldin4 and Matin Ahmad, Effects of Newtonian heating and heat generation on magnetohydrodynamics dusty fluid flow between two parallel plates, *Frontiers in Materials*, (ISI Indexed, **I.F 3.2**) (2023).
35. Anwer ZebSaima Anwer Lashari **Arshad Khan**, Abdullah Khan, Numerical solution of wavelet neural network learning weights using accelerated particle swarm optimization algorithm, *Fractals* (ISI Indexed, **I.F 4.55**) (2023).
36. Asim Khan, Inayat Ali Shah, **Arshad Khan**, Ilyas Khan, Waqar A. Khan, Numerical investigation of MHD Cattaneo–Christov thermal flux frame work for Maxwell fluid flow over a steady extending surface with thermal generation in a porous medium, *International Journal of Thermofluids*, (ISI Indexed, **I.F 6.76**) (2023).

37. Muhammad Shuaib, MuhammadAnas,Hijab ur Rehman, **Arshad Khan**, Ilyas Khan,Sayed M. Eldin, Volumetric thermo- convective casson fluid fow over a nonlinear inclined extended surface, Scientific Reports, (ISI Indexed, **I.F 4.6**) (2023).
38. Mohamad, Ahmad Qushairi, Ilyas Khan, Lim Yeou Jiann, **Arshad Khan**, Mohd Rijal, Sharidan Shafie, Magnetohydrodynamic Conjugate Flow of Casson Fluid Over a Vertical Plate Embedded in a Porous Medium with Arbitrary Wall Shear Stress, Journal of Nanofluids, 9 173-181 (ISI Indexed, **I.F 0.329**) (2017)
39. Zeeshan Khan, Saeed Islam, Haroon Ur Rashed, Hamid Jan, **Arshad Khan**, Analytical Solution of Magnetohydrodynamic flow of a Third Grade Fluid in Wire Coating Analysis, Journal of Applied Environmental and Biological Sciences ((**ISI Indexed**)) (2017).
40. **Arshad Khan**, Ilyas Khan, Farhad Ali, Asma Khalid and Sharidan Shafie, Exact solutions of heat and mass transfer with MHD flow in a porous medium under time dependent shear stress and temperature, Abstract and Applied Analysis (ISI Indexed, **I.F 1.274**) (2015).
41. Sami Ul Haq, Ilyas Khan, Farhad Ali, **Arshad Khan**, and Tarek Nabil Ahmed Abdelhameed, Influence of Slip Condition on Unsteady Free Convection Flow of Viscous Fluid with Ramped Wall Temperature, Abstract and Applied Analysis (ISI Indexed, **I.F 1.274**) (2015) 18 pages, Article ID 327975.
42. **Arshad Khan**, Ilyas Khan and Sharidan Shafie, Effects of Newtonian heating and mass diffusion on MHD free convection flow over vertical plate with shear stress at the wall, Jurnal Teknologi, (ISI Indexed, **I.F 0.203**) (2016).
43. **Arshad Khan**, Ilyas Khan, Zulkhibri Ismail and Sharidan Shafie, Effects of Radiation and Porosity on the MHD Flow near a Vertical Plate that Applies Shear Stress to the Fluid, International Journal of Applied Mathematics and Statistics, 53(3) 128-139 (2015).
44. Asma Khalid, Ilyas Khan, **Arshad Khan** and Sharidan Shafie, Unsteady MHD Free Convection Flow of Casson Fluid Past Over an Oscillating Vertical Plate Embedded in a Porous Medium, Engineering Science and Technology, an International Journal, 16, 309-317 (ISI Indexed, **I.F 5.115**) (2015).W
45. **Arshad Khan**, Muhammad Junaid, Ilyas Khan, Farhad Ali, Kamal Shah ,Dolat Khan, Application of homotopy analysis natural transform method to the solution of non linear partial differential equations, Sci.Int.(Lahore), (2017). **ISI Indexed**.

46. Asma Khalid, Ilyas Khan, **Arshad Khan**, Sharidan Shafied, I. Tlili, Case study of MHD blood flow in a porous medium with CNTS and thermal analysis, Case Studies in Thermal Engineering, (**IF 4.010**) (2018).
47. Farhad Ali, Nadeem Ahmad Sheikh, Muhammad Saqib and **Arshad Khan**, Hidden Phenomena of an MHD Unsteady Flow in Porous Medium with Heat Transfer, Nonlinear Sci. Lett. A, (2017).

NATIONAL AND INTERNATIONAL CONFERENCES PAPERS

1. **Arshad Khan**, Ilyas Khan, Zulhibri Ismail and Sharidan Shafie, Exact Solutions for Unsteady MHD Free Convection Flow with Time Dependent Shear Stress, Proceeding of 5th International Graduate Conference on Engineering, Science and Humanities (IGCESH2014). UTM Malaysia.
2. Farhad Ali, Sami Ul Haq, Ilyas Khan, **Arshad Khan** and Asma Khalid, Heat and Mass Transfer Analysis due to Mixed Convection in a Rotating Fluid, First International Conference on Emerging Trends in Engineering, Management and Sciences” December 28-30, 2014 (ICETEMS-2014) Peshawar, Pakistan.
3. Aaiza Gul, **Arshad Khan**, Taza Gul, Ilyas Khan, Saeed Islam and Sharidan Shafie. Unsteady Flow of a Second Grade Fluid between Two Oscillating Vertical Plates, Proceeding of 3rd International Science Postgraduate Conference (ISPC2015) © Faculty of Science, Universiti Teknologi Malaysia. (2015).
4. **Arshad Khan**, Ilyas Khan, Sharidan Shafie, Radiation and Porosity Effects on Heat and Mass Transfer of Magnetohydrodynamic Flow near a Vertical Plate that Applies Arbitrary Shear Stress to the Fluid with Mass Diffusion, [AIP Conference Proceedings](#) 1602, 227 (2014); doi: 10.1063/1.4882492.
5. **Arshad Khan**, Ilyas Khan and Sharidan Shafie, MHD Free Convection Flow Over an Inclined Plate that applies Arbitrary Shear Stress to the Fluid, Proceeding of 2nd International Science Postgraduate Conference (ISPC2014) © Faculty of Science, Universiti Teknologi Malaysia. 1013-1025 (2014).
6. Ilyas Khan, Zulhibri Ismail, **Arshad Khan** and Sharidan Shafie, Stokes' Second Problem for Rotating MHD Flow of a Maxwell Fluid in a Porous Medium, Proceeding of

2nd International Science Postgraduate Conference (ISPC2014) © Faculty of Science, Universiti Teknologi Malaysia. 62 (2014).

7. **Arshad Khan**, Ilyas Khan and Sharidan Shafie. Effects of Newtonian Heating and Mass Diffusion on MHD Free Convection Flow over Vertical Plate with Shear Stress at the Wall, Proceeding of 3rd International Science Postgraduate Conference (ISPC2015) © Faculty of Science, Universiti Teknologi Malaysia. (2015).
8. Dolat khan ,**Arshad Khan**, Farhad Ali, Ilyas khan, Faizan ul Karim, Exact analysis of convection flow of Casson fluid in a porous medium with relative magnetic field and Newtonian heating, 3rd International Conference on Emerging Trends in Engineering, Management and Sciences. (ICETEMS-2018).
9. Faizan ul Karim , **Arshad Khan**, Dolat khan , , Farhad Ali, Ilyas khan, Entropy generation influencing on unsteadt flow over a vertical plate with wall shear stress and ramped wall temperature, 3rd International Conference on Emerging Trends in Engineering, Management and Sciences. (ICETEMS-2018).
10. Faizan ul Karim , **Arshad Khan**, Dolat khan , Farhad Ali, Ilyas khan , The effects of MHD conjugate flow on entropy generation with wall shear stress over an infinite plate, 3rd International Conference on Emerging Trends in Engineering, Management and Sciences. (ICETEMS-2018).
11. Fasiah Zulkiflee, Ahmad Qushairi Mohammad2 Sharidan Shafie and **Arshad Khan**, Heat and mass transfer on unsteady free convection flowbetween two parallel plates with Newtonian heating, 7th International Graduate Conference of Engineering, Science and Humanity, (IGCESH 2018),UTM, Malaysia.

CUMULATIVE IMPACT FACTOR (CIF)

70+ (Approx)