

LIST OF PUBLICATION IN SCI/ SCIE JOURNAL:

- **Yadav, Pramod Kumar**, Roshan, M., Effect of peristaltic endoscope and heat transfer on the magnetohydrodynamic flow of non-Newtonian biviscosity fluid through an inclined annulus: Homotopy perturbation approach, *Modern Physics Letters B*, 1-37, 2450498, 2024 (Accepted). (World Scientific publisher) **(I.F.: 1.8, Q3)**
- **Yadav, Pramod Kumar**, Roshan, M., Filippov, A.N., A Hemodynamic Perspective to Analyze the Pulsatile Flow of Jeffrey Fluid through an Inclined Overlapped Stenosed Artery, *Colloid Journal*, 2024, (Accepted). (Springer publisher) **(I.F.: 1.4, Q4)**
- **Yadav, Pramod Kumar**, Roshan, M., Mathematical modeling of creeping electromagnetohydrodynamic peristaltic propulsion in an annular gap between sinusoidally deforming permeable and impermeable curved tubes, *Physics of Fluids* 36 (7), 071907, 2024. (AIP Publisher) **(I.F.: 4.1, Q1)**
- **Yadav, Pramod Kumar**, Yadav, N., Impact of heat and mass transfer on the magnetohydrodynamic two-phase flow of couple stress fluids through a porous walled curved channel using Homotopy Analysis Method, *Chaos, Solitons & Fractals* 181, 114726, 2024. (Elsevier publishers) **(I.F.: 5.3, Q1)**
- **Yadav, Pramod Kumar**, Yadav, N., Magnetohydrodynamic study of Micropolar fluid flow in the porous walled channel with variable viscosity and thermal conductivity: HAM Solution, *Chaos, Solitons & Fractals* 181, 114726, 2024. (Elsevier publishers) **(I.F.: 5.3, Q1)**
- **Yadav, Pramod Kumar**, and Srivastava, P., Impact of heat and mass transfer on the magnetohydrodynamic two-phase flow of couple stress fluids through a porous walled curved channel using Homotopy Analysis Method, *Chinese Journal of Physics*, 89, 2024, 1198-1221. (Elsevier publishers) **(I.F.: 4.6, Q2)**
- **Yadav, Pramod Kumar**, Roshan, M., Mathematical modeling of blood flow in an annulus porous region between two coaxial deformable tubes: An advancement to peristaltic endoscope, *Chinese Journal of Physics*, 88, 2024, 89-109. (Elsevier publishers) **(I.F.: 4.6, Q2)**
- **Yadav, Pramod Kumar**, Kumar, A., and Chamkha, A.J., Heat and mass transfer analysis of non-miscible couple stress fluid in a porous saturated channel, *International Journal of Modern Physics B*, 38(18), 2450227, 2024. <https://doi.org/10.1142/S0217979224502278> (World Scientific Publisher) **(I.F.: 2.6, Q3)**
- Yadav, S., Yadav, S., **Yadav, Pramod Kumar**, The mixed convection thermally radiated hybrid nanofluid flow through an inclined permeable shrinking plate with slip condition and inclined magnetic effect, *Chinese Journal of Physics*, 89, 1041-1050, 2024. (Elsevier publishers) **(I.F.: 4.6, Q2)**
- **Yadav, Pramod Kumar**, Yadav, N., A study on the flow of couple stress fluid in a porous curved channel, *Computers & Mathematics with Applications*, 152, 2023, 1-15. (Elsevier publishers) **(I.F.: 2.9, Q1)**
- **Yadav, Pramod Kumar**, Yadav, N., Entropy generation analysis in micropolar-couple stress fluid's flow in an inclined porous channel using Homotopy Analysis Method, *Chinese Journal of Physics*, 86, 2023, 469-496. (Elsevier publishers) **(I.F.: 4.6, Q2)**
- **Yadav, Pramod Kumar**, Goyal, P., Treatment seeking dilemma for tuberculosis as timed strategic prisoner's dilemma game, *Physica A: Statistical Mechanics and its Applications*, 632, 2023, doi.org/10.1016/j.physa.2023.129297. (Elsevier publishers) **(I.F.: 2.8, Q2)**
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- Kumar, A. and **Yadav, Pramod Kumar**, Entropy generation analysis of non-miscible couple stress and Newtonian fluid in an inclined porous channel with variable flow properties: HAM Analysis, International Journal of Modern Physics B, 2023 (Accepted). <https://doi.org/10.1142/S0217979224503909> (World Scientific Publisher) (I.F.: 2.6, Q3)
- **Yadav, Pramod Kumar**, Verma, A. Kumar, Analysis of the MHD flow of immiscible fluids with variable viscosity in an inclined channel, Journal of Applied Mechanics and Technical Physics, 64, 618–627, 2023. (Springer publisher) (I.F.: 0.5, Q3)
- **Yadav, Pramod Kumar**, Kumar, A., and Filippov, A.N., Analysis of Entropy Production of Immiscible Micropolar and Newtonian Fluids Flow through a Channel: Effect of Thermal Radiation and Magnetic Field, Colloid Journal, 85 (1), 95-113, 2023. (Springer publisher) (I.F.: 1.4, Q4)
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- **Yadav, Pramod Kumar**, Kumar, A., Sapa, S. El., Chamkha, A.J., Impact of thermal radiation and oriented magnetic field on the flow of two immiscible fluids through porous media with different porosity, Waves in Random and Complex Media, 1-33, 2022. (Taylor & Francis Publisher) <https://doi.org/10.1080/17455030.2022.2118897>. (I.F.: 4.05, Q1)
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- **Yadav, Pramod Kumar** and Kumar, A., An inclined magnetic field effect on entropy production of non-miscible Newtonian and micropolar fluid in a rectangular conduit, International Communications in Heat and Mass Transfer, 124, 1-13, 2021 (105266). (Elsevier publisher) (I.F.: 7.00, Q1)
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- **Yadav, Pramod Kumar**, Jaiswal, S., Puchakatla, J.Y., Micropolar fluid flow through the membrane composed of impermeable cylindrical particles coated by porous layer under the effect of magnetic field, *Mathematical Methods in the Applied Sciences* 43 (4), 1925-1937, 2020. (Wiley publisher) (I.F.: 3.007, Q1)
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- Sharma, B.D., **Yadav, Pramod Kumar**, A Two-Layer Mathematical Model of Blood Flow in Porous Constricted Blood Vessels, **Transport in Porous Media**, 120, 239-254, 2017. (Springer publisher) (**I.F.: 2.7, Q2**)
- **Yadav, Pramod Kumar**, Deo, S., Singh, S.P. and Filippov, A.N., Effect of Magnetic Field on the Hydrodynamic Permeability of a Membrane Built up by Porous Spherical Particles, **Colloid Journal**, 79(1), 160-171, 2017. (Springer publisher) (**I.F.: 1.4, Q4**)
- Srivastav B.G., **Yadav, Pramod Kumar**, Deo, S.; Singh P.K., Filippov, A.N., Hydrodynamic Permeability of a Membrane Composed of Porous Spherical Particles in the presence of Uniform Magnetic Field, **Colloid Journal**, 76(6), 725-738, 2014. (Springer publisher) (**I.F.: 1.4, Q4**)
- **Yadav, Pramod Kumar**, Slow Motion of a Porous Cylindrical Shell in a concentric cylindrical cavity, **Meccanica**, 48, 1607-1622, 2013. (Springer publisher) (**I.F.: 2.7, Q1**)
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- **Yadav, Pramod Kumar**, Deo, S., Yadav, M.K., Filippov, A.N., On Hydrodynamic Permeability of a Membrane Built up by Porous Deformed Spheroidal Particles, **Colloid Journal**, 75(5), 611-622, 2013. (Springer publisher) (**I.F.: 1.4, Q4**)
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- **Yadav, Pramod Kumar**, Tiwari, A.; Deo, S., Filippov, A. and Vasin, S.I., Hydrodynamic permeability of membranes built up by spherical particles covered by porous shells: effect of stress jump condition, **Acta Mechanica**, 215, 193-209, 2010. (Springer publisher) (**I.F.: 2.7, Q2**)
- Deo, S., **Yadav, Pramod Kumar** and Tiwari, A., Slow viscous flow through a membrane built up from porous cylindrical particles with an impermeable core, **Applied Mathematical Modeling**, 34, 1329-1343, 2010. (Elsevier publishers) (**I.F.: 5, Q1**)

LIST OF SCOPUS/ NON-SCOPUS PUBLICATION:

- **Yadav, Pramod Kumar** and Deo, S., Stokes flow past a swarm of porous nano cylindrical particles enclosing a solid core, **International Journal of Mathematics and Mathematical Sciences**, 1-8, 2008, doi:10.1155/2008/ 651 910. (Scopus)
- **Yadav, Pramod Kumar**, On the slow viscous flow through a swarm of solid spherical particles covered by porous shell, **Applied Mathematics**, 1(2), 112-121, 2011 (Non-Scopus)

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- **Yadav, Pramod Kumar** and Deo, S., Creeping flow past a swarm of porous deformed oblate spheroidal particles with kuwabara boundary condition, Bull. Cal. Math. Soc., 100, (6) 617-630 (2008).
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LIST OF PUBLICATION IN THE PROCEEDING OF PEER REVIEWED CONFERENCES:

- Tiwari, A, Deo, S. and Yadav, Pramod Kumar, Cell models for flow through a swarm of impermeable cylinders covered with porous layer, Ind. J. Bio.: Special Issue (NCBM 7-8 March 2009).
- Deo, S. and Yadav, Pramod Kumar, On the slow viscous flow through an aggregate cluster of nano porous cylindrical particles, Indo-Australian workshop on "CFD approach on fluid flow, Heat and Mass Transfer"and CFD application in Multidisciplinary Areas", ISBN: 978-81-904262-6-8