

RESEARCH PUBLICATION: 84

➤ **LIST OF SCI/ SCIE PUBLICATION: 77**

1. Singh, A. and **Yadav, Pramod Kumar**, ANN-based computational framework for EMHD modulated ternary hybrid nanofluid (Ag-GO-ZrO₂/blood) flow in a curved atherosclerotic artery, International Journal of Numerical Methods for Heat & Fluid Flow, doi: <https://doi.org/10.1108/HFF-07-2025-0543> (2025)
2. Singh, A. and **Yadav, Pramod Kumar**, Analysis of bio-convective ternary hybrid nanofluid flow in atherosclerotic bifurcated artery: A numerical approach, Computer Methods and Programs in Biomedicine, 273, 1-29, 2025, <https://doi.org/10.1016/j.cmpb.2025.109129>. (Elsevier publisher) (**I.F.: 4.8, Q1**)
3. Srivastava, P., **Yadav, Pramod Kumar**, Brinkman-Forchheimer model for unsteady mixed convective magnetohydrodynamics flow of couple stress fluid through swarm of particles at high magnetic Reynold number: Cell model technique, Chemical Engineering Science, 321 (part B), 1-20, 2025, <https://doi.org/10.1016/j.ces.2025.122758>. (Elsevier publisher) (**I.F.: 4.3, Q1**)
4. **Yadav, Pramod Kumar, Goel, P.**, Mathematical model for analysing the interplay between income, nutrition, and tuberculosis dynamics, Computers in Biology and Medicine, 196 (part C), 1-12, 2025, <https://doi.org/10.1016/j.compbiomed.2025.110858>. (Elsevier publisher) (**I.F.: 6.3, Q1**)
5. **Yadav, Pramod Kumar, Singh, A.**, Biomedical simulations of electroosmotic non-Newtonian hybrid nanofluid (blood) with hematocrit viscosity through a porous overlapping irregular stenosed artery, Computers in Biology and Medicine, 196 (part B), 1-23, 2025, <https://doi.org/10.1016/j.compbiomed.2025.110575>. (Elsevier publisher) (**I.F.: 6.3, Q1**)
6. **Yadav, Pramod Kumar**, and Srivastava, P., Unsteady hydromagnetic motion of non-miscible fluids via an inclined co-axial porous cylinder, International Communications in Heat and Mass Transfer, 167, 109334 (1-21), 2025, <https://doi.org/10.1016/j.icheatmasstransfer.2025.109334>. (Elsevier publisher) (**I.F.: 7.00, Q1**)
7. **Yadav, Pramod Kumar, Singh, A.**, Biomedical simulations of electroosmotic non-Newtonian hybrid nanofluid (blood) with hematocrit viscosity through a porous overlapping irregular stenosed artery, Computers in Biology and Medicine, 2025 (Accepted), (Elsevier publisher) (**I.F.: 6.3, Q1**)
8. Roshan, M., **Yadav, Pramod Kumar**, Electroosmosis modulated Physiological Fluid Propulsion through a Non-uniform Peristaltic Microchannel in Bio-microfluidic Environment, Chinese Journal of Physics, 2025, (Accepted). (Elsevier publishers) (**I.F.: 4.6, Q2**)

9. Jaiswal, S., Yadav, N., **Yadav, Pramod Kumar**, and Sharma, B.D., Entropy generation analysis in unsteady flow of micropolar fluid through anisotropic porous media, Chinese Journal of Physics, 2025 (Accepted). (Elsevier publishers) (**I.F.: 4.6, Q2**)
10. Jaiswal, S. and **Yadav, Pramod Kumar**, Analytical investigation of porous medium effects on the flow of two micropolar fluids in a rotating annulus, International Journal of Modern Physics B, 39(14), 2550111, 2025, <https://doi.org/10.1142/S0217979225501115> (World Scientific Publisher) (**I.F.: 2.6, Q3**)
11. **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, 39 (14), 1-37, 2450498, 2025, <https://doi.org/10.1142/S0217984924504980>, (World Scientific publisher) (**I.F.: 1.8, Q3**)
12. Kumar, A., and **Yadav, Pramod Kumar**, Entropy generation and heat-mass transfer analysis in two-phase immiscible micropolar and Jeffrey fluids under an inclined magnetic field and multiple slip conditions in a porous channel, International Communications in Heat and Mass Transfer, 164, 108846, 2025, <https://doi.org/10.1016/j.icheatmasstransfer.2025.108846>. (Elsevier publisher) (**I.F.: 7.00, Q1**)
13. **Yadav, Pramod Kumar** and Srivastava, P., Modeling of magnetized immiscible micropolar-Newtonian fluid flow through co-rotating cylinders: Homotopy analysis method, Modern Physics Letters B, (Accepted), 2550164, 2025, <https://doi.org/10.1142/S0217984925501647>, (World Scientific publisher) (**I.F.: 1.8, Q3**)
14. Pandey, R. and **Yadav, Pramod Kumar**, Hemodynamic Investigation of Blood Flow in Left Coronary Artery (LCA) with Different Levels of Stenosis, Nano, (Accepted), 2025, <https://doi.org/10.1142/S1793292025500511>, (World Scientific publisher) (**I.F.: 1.0, Q3**)
15. Chaudhary, H., Singh, N., Roshan, M., **Yadav, Pramod Kumar** and Saleem, S., Modeling of magnetohydrodynamic Casson fluid flow due to moving permeable plate with Soret and Dufour impacts, Journal of the Korean Physical Society, 86, 2025, 745–768. (Springer publisher) (**I.F.: 0.8, Q3**)
16. **Yadav, Pramod Kumar**, and Srivastava, P., Brinkman–Forchheimer model of creeping flow of electromagnetohydrodynamic micropolar fluid through a swarm of cylindrical particles: Cell model technique, Physics of Fluids, 37 (3), 033104, 2025, <https://doi.org/10.1063/5.0245425>. (AIP Publisher) (**I.F.: 4.1, Q1**)
17. **Yadav, Pramod Kumar**, Roshan, M., Mathematical modeling of electroosmotically driven peristaltic propulsion due to transverse deflections of two periodically deformable curved tubes of unequal wavelengths, Physics of Fluids, 2024, (Accepted). (AIP Publisher) (**I.F.: 4.1, Q1**)
18. Kumar, A., and **Yadav, Pramod Kumar**, An inclined magnetic field and slip effect on heat and mass transfer analysis in the peristaltic flow of immiscible fluid through an

asymmetric porous channel, International Communications in Heat and Mass Transfer, 2024 (Accepted). (Elsevier publisher) (I.F.: 7.00, Q1)

19. Yadav, N., Jaiswal, S., **Yadav, Pramod Kumar**, Two-phase Magnetohydrodynamic Blood flow Through Curved Porous Artery, Physics of Fluids, 2024, (Accepted). (AIP Publisher) (I.F.: 4.1, Q1)
20. **Yadav, Pramod Kumar**, Roshan, M., Mathematical modeling of creeping electromagneto-hydrodynamic 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)
21. **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)
22. **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)
23. Kumar, A., and **Yadav, Pramod Kumar**, Heat and mass transfer analysis of non-miscible couple stress and micropolar fluids flow through a porous saturated channel, ZAMM- Journal of Applied Mathematics and Mechanics/Zeitschrift für Angewandte, 2024, (Accepted),
<https://doi.org/10.1002/zamm.202300635>. (I.F.: 2.3, Q2)
24. **Yadav, Pramod Kumar**, Goyal, P., SIR-Bass Modelling Approach to Quantify the Effects of Intervention Adoption on Disease Transmission, International Journal of Biomathematics, 2024, (Accepted). (I.F.: 2.4, Q2)
25. **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)
26. **Yadav, Pramod Kumar**, and Srivastava, P., Impact of porous material and slip condition on the MHD flow of immiscible Couple stress-Newtonian fluids through an inclined channel: Head loss and pressure difference, Chinese Journal of Physics, 89, 2024, 1198-1221. (Elsevier publishers) (I.F.: 4.6, Q2)
27. **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)
28. **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)
29. 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)
 30. **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)
 31. Kumar, A. and **Yadav, Pramod Kumar**, Heat and mass transfer in peristaltic flow of MHD non-miscible micropolar and Newtonian fluid through a porous saturated asymmetric channel, Waves in Random and Complex Media, 1-45, 2023. (Taylor & Francis Publisher)
<https://doi.org/10.1080/17455030.2023.2252946>. (I.F.: 4.05, Q1)
 32. **Yadav, Pramod Kumar**, Verma, A.K., and Chamkha, A.J., Magnetohydrodynamics of immiscible Newtonian fluids in porous regions of different variable permeability functions, Journal of Petroleum Science and Engineering 220, 1-13 (111113), 2023. (Elsevier publisher)
<https://doi.org/10.1016/j.petrol.2022.111113> (I.F.: 5.168, Q1)
 33. **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)
 34. **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)
 35. Verma, A., Sumelka, W., **Yadav, Pramod Kumar**, The Numerical Solution of Nonlinear Fractional Lienard and Duffing Equations Using Orthogonal Perceptron, Symmetry 2023, 15, 1753. <https://doi.org/10.3390/sym15091753>. (I.F.: 2.2, Q2)
 36. Kumar, A. and **Yadav, Pramod Kumar**, Heat and mass transfer analysis for MHD non-miscible micropolar and Newtonian fluid flow in a rectangular porous channel, ZAMM-Journal of Applied Mathematics and Mechanics, 2023 (Accepted). (John Wiley Publisher) (I.F.: 2.3, Q2)
 37. Jaiswal, S., **Yadav, Pramod Kumar**, Physics of Generalized Couette Flow of Immiscible Fluids in anisotropic Porous Medium, International Journal of Modern Physics B, 2023 (Accepted). <https://doi.org/10.1002/zamm.202200589>. (World Scientific Publisher) (I.F.: 2.6, Q3)
 38. 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)

39. **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)
40. **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)
41. Pandey, R. and **Yadav, Pramod Kumar**, Effect of Reynolds number and blood viscosity models on the left coronary artery with multiple stenoses, *Physics of Fluids* 34 (9), 091903, 2022.
<https://doi.org/10.1063/5.0099822>. (AIP Publisher) (I.F.: 4.1, Q1)
42. **Yadav, Pramod Kumar**, Kumar, A., Sapa, S. EI., 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)
43. Jaiswal, S., **Yadav, Pramod Kumar**, Analysis on Couette flow of a micropolar fluid through a circular annulus filled with the porous medium, *Microfluidics and Nanofluidics* 26 (12), 1-14 (100), 2022. (Springer publisher) <https://doi.org/10.1007/s10404-022-02601-8>. (I.F.: 2.3, Q3)
44. **Yadav, Pramod Kumar**, Verma, A.K., Analysis of two non-miscible electrically conducting micropolar fluid flow through an inclined porous channel: Influence of magnetic field, *ZAMM-Journal of Applied Mathematics and Mechanics*, 2022. (John Wiley Publisher) (<https://doi.org/10.1002/zamm.202200047>). (I.F.: 2.3, Q2)
45. **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)
46. **Yadav, Pramod Kumar** and Verma, A.K., Analysis of two immiscible Newtonian and micropolar fluid flow through an inclined porous channel, *Mathematical Methods in the Applied Sciences*, <https://doi.org/10.1002/mma.7884>, 2021. (Wiley publisher) (I.F.: 2.1, Q2)
47. **Yadav, Pramod Kumar**, Jaiswal, S., Puchakatla, J.Y., Yadav, M.K., Flow through membrane built up by impermeable spheroid coated with porous layer under the influence of uniform magnetic field: effect of stress jump condition, *The European Physical Journal Plus* 136 (1), 1-34, 2021. (Springer publisher) (I.F.: 3.4, Q2)
48. **Yadav, Pramod Kumar**, Puchakatla, J.Y., Jaiswal, S., An Analytical Solution of Micropolar-Newtonian Fluid Flow Through Annular Porous Regions, *National Academy Science Letters* 43 (5), 457-462, 2020. (Springer publisher) (I.F.: 1.1, Q3)

49. **Yadav, Pramod Kumar**, Verma, A.K., Analysis of immiscible Newtonian and non-Newtonian micropolar fluid flow through porous cylindrical pipe enclosing a cavity, The European Physical Journal Plus 135 (8), 1-35, 2020. (Springer publisher) (I.F.: 3.4, Q2)
50. **Yadav, Pramod Kumar**, Tiwari, A., Singh, P., Motion through spherical droplet with non-homogenous porous layer in spherical container, Applied Mathematics and Mechanics (ENGLISH EDITION) 41 (7), 1069–1082, 2020. (Springer publisher) (I.F.: 4.4, Q1)
51. **Yadav, Pramod Kumar**, Influence of magnetic field on the Stokes flow through porous spheroid: Hydrodynamic permeability of a membrane using cell model technique, International Journal of Fluid Mechanics Research (Begell House publisher) 47 (3), 273–290, 2020. (I.F.:1.1, Q3)
52. **Yadav, Pramod Kumar**, Jaiswal, S., Puchakatla, J.Y., Filippov, A.N., Poiseuille Flow of Micropolar-Newtonian Fluid through Concentric Pipes Filled with Porous Medium, Colloid Journal 82, 333-341, 2020. (Springer publisher) (I.F.: 1.4, Q4)
53. Jaiswal, S., **Yadav, Pramod Kumar**, Influence of magnetic field on the Poiseuille flow of immiscible Newtonian fluids through highly porous medium, Journal of the Brazilian Society of Mechanical Sciences and Engineering 42 (4), Article number: 188. 2020. (Springer publisher) (I.F.: 2.2, Q2)
54. Yadav, Pramod Kumar, Sharma, B.D. and Filippov, A.N., Oscillatory Viscoelastic Model of Blood Flow in Stenotic Artery, Colloid Journal 82 (5), 617-625, 2020. (Springer publisher) (I.F.: 1.4, Q4)
55. **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)
56. Jaiswal, S., **Yadav, Pramod Kumar**, Flow of Micropolar–Newtonian Fluids through the Composite Porous Layered Channel with Movable Interfaces, Arabian Journal for Science and Engineering 45 (2), 921-934, 2020. (Springer publisher) (I.F.: 2.807, Q1)
57. Khanukaeva, D.Y., Filippov, A.N., **Yadav, Pramod Kumar** and Tiwari, A., Creeping flow of micropolar fluid through a swarm of cylindrical cells with porous layer (membrane), Journal of Molecular Liquids, 294, 111558, 2019. (Elsevier publishers) (I.F.: 6, Q1)
58. **Yadav, Pramod Kumar**, Singh, P. Tiwari, A. and Deo, S., Stokes flow through a membrane built up by nonhomogeneous porous cylindrical particles, Journal of Applied Mechanics and Technical Physics 60 (5), 816-826, 2019. (Springer publisher) (I.F.: 0.5, Q3)

59. Jaiswal, S., **Yadav, Pramod Kumar**, A micropolar-Newtonian blood flow model through a porous layered artery in the presence of a magnetic field, *Physics of Fluids* 31 (7), 071901, 2019. (AIP Publishing (United States)) (I.F.: 4.1, Q1)
60. Khanukaeva, D.Y., Filippov, A.N., **Yadav, Pramod Kumar** and Tiwari, A., Creeping flow of micropolar fluid parallel to the axis of cylindrical cells with porous layer, *European Journal of Mechanics/ B Fluids*, 76, 73-80, 2019. (Elsevier publishers) (I.F.: 2.6, Q2)
61. Sharma, B.D., **Yadav, Pramod Kumar**, A Mathematical Model of Blood Flow in Narrow Blood Vessels in Presence of Magnetic Field, *National Academy Science Letters*, 42 (3), 239-243, 2019. (Springer publisher) (I.F.: 1.1, Q3)
62. **Yadav, Pramod Kumar**, Motion through a non-homogeneous porous medium: Hydrodynamic permeability of a membrane composed of cylindrical particles, *The European Physical Journal Plus*, 133, 1-26, 2018. (Springer publisher) (I.F.: 3.4, Q2)
63. **Yadav, Pramod Kumar**, Sneha Jaiswal, Taimoor Asim and Rakesh Mishra, Influence of a magnetic field on the flow of a micropolar fluid sandwiched between Newtonian fluid layers through a porous medium, *The European Physical Journal Plus*, 133, 247-259, 2018. (Springer publisher) (I.F.: 3.4, Q2)
64. **Yadav, Pramod Kumar**, Jaiswal, S. and Sharma, B.D., A Mathematical Model of Micropolar Fluid in two phase immiscible fluid flow through porous channel, *Applied Mathematics and Mechanics*, 39 (7), 993–1006, 2018. (Springer publisher) (I.F.: 4.4, Q1)
65. **Yadav, Pramod Kumar** and Jaiswal, S, Influence of an inclined magnetic field on the Poiseuille flow of immiscible Micropolar-Newtonian Fluids in the Porous Medium, *Canadian journal of physics*, 96: 1016–1028, 2018. (NRC Research Press) (I.F.: 1.358, Q3)
66. Tiwari, A., **Yadav, Pramod Kumar** and Singh, P., Stokes flow through assemblage of non-homogeneous porous cylindrical particles using cell model technique, *National Academy Science Letters*, 41(1), 53-57, 2018. (Springer publisher) (I.F.: 1.1, Q3)
67. **Yadav, Pramod Kumar**, Tiwari, A. and Singh, P., Hydrodynamic permeability of a membrane built up by spheroidal particles covered by porous layer, *Acta Mechanica* 229 (4), 1869–1892, 2018. (Springer publisher) (I.F.: 2.7, Q2)
68. Sharma, B.D., **Yadav, Pramod Kumar** and Filippov, A.N., Jeffrey Fluid Model of Blood Flow in Tubes with Stenosis, *Colloid Journal*, 79 (6), 849–856, 2017. (Springer publisher) (I.F.: 1.4, Q4)
69. 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)

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71. 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)
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74. **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)
75. **Yadav, Pramod Kumar** and Deo, S, Stokes flow past an approximate porous spheroid embedded in another porous medium, **Meccanica** (An International Journal of Theoretical and Applied Mechanics AIMETA), 47, 1499–1516, 2012. (Springer publisher) (I.F.: 2.7, Q1)
76. **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)
77. 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: 02**

1. **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)
2. **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)

➤ **LIST OF PUBLICATION IN NATIONAL JOURNAL: 03**

1. **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).

2. **Yadav, Pramod Kumar** and Deo, S., Stokes flow past a swarm of porous spherical particles with Happel boundary condition, Progress of Mathematics, Vol. 41&42, (2007-2008), 171-184.
3. **Yadav, Pramod Kumar**, Yadav, Manoj Kumar and Sinha Poonam, Slow viscous flow through a swarm of porous spherical particles enclosing a solid core: effect of stress jump condition, Ultra Scientist, 23 (3) B, 637-650, 2011.

➤ **LIST OF PUBLICATION IN THE PROCEEDING OF PEER REVIEWED CONFERENCES: 02**

1. 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).
2. 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