د.دانانجاي ياداف

أستاذ مشارك

العلوم الرياضية والفيزيائية ـ شعبة الرياضيات

كلية العلوم والآداب

جامعة نزوى، سلطنة عمان

هاتف: 25446200(968+)

محول: 910

البريد الإلكتروني: dhananjay@unizwa.edu.om

موقع المكتب: 11G-33.....

يعمل في الجامعة: منذ 2017

الحالة الاجتماعية: Married....

Dr Dhananjay Yadav UoN CV.pdf

المؤهلات الأكاديمية

Ph.D.، Indian Institute of Technology Roorkee (IITR) India، 2013

M.Sc.، DDU University, Gorakhpur, India، 2007

B.Sc.، DDU University, Gorakhpur, India، 2005

أنشطة التدريس

Calculus

Linear Algebra

Numerical Analysis

Mathematics for Teacher

Differential Equation for Engineers

Pre-Calculus

Ordinary and Partial Differential Equations

Mathematical Methods

الأنشطة البحثية

الاهتمامات البحثية ـ

CO2 capture, storage and oil recovery

Computational sustainability and environmental analytics

Nanofluids

Fluid flow in porous media

Modelling on Greenhouse gas emissions from agriculture field

المنشورات ـ

مقال:

1. Dhananjay Yadav, MK Awasthi, US Mahabaleshwar, K Bhattacharyya, 2022, Numerical 2022 Treatment on the Convective Instability in a Jeffrey Fluid Soaked Permeable Layer with Through-Flow, Mathematical Modeling for Intelligent Systems Theory, Methods, and Simulation, CRC Press, Taylor & Francis Group, https://doi.org/10.1201/9781003291916-10, Scopus.

2. MK Awasthi, SK Pundir, M Devi, Dhananjay Yadav, V Kumar, AK Singh, 2022, Instability of 2022 a Viscoelastic Cylindrical Jet: The VCVPF Theory, Mathematical Modeling for Intelligent Systems Theory, Methods, and Simulation, CRC Press, Taylor & Francis Group, https://doi.org/10.1201/9781003291916-14, Scopus.

3. S Rajput, K Bhattacharyya, AK Verma, MS Mandal, AJ Chamkha, Dhananjay Yadav, 2022 Unsteady stagnation-point flow of CNTs suspended nanofluid on a shrinking/expanding sheet with partial slip: multiple solutions and stability analysis, Waves in Random and Complex Media, 2022.https://doi.org/10.1080/17455030.2022.2063986(Taylor & Francis Publication, IF-4.05, H (index-50, Scopus, Web of Science

4. M.K. Awasthi, Dharamendra, Dhananjay Yadav, "Temporal instability of nanofluid layer in 2022 a circular cylindrical cavity". The European Physical Journal Special Topics, 231,2773–2779, 2022. https://doi.org/10.1140/epjs/s11734-022-00599-2. (Springer, Publication, IF: 4.99, H-Index: 183, (Scopus, Web of Science

5. M.K. Awasthi, Dharamendra, Dhananjay Yadav, "Stability characteristics of Walter's B 2022 viscoelastic fluid in a cylindrical configuration with heat transfer", Proc IMechE Part C: J Mechanical Engineering Science, 2022. https://doi.org/10.1177/0954406222110183. (SAGE (Publication, IF-1.758. H index: 63, Scopus, Web of Science

6. M.K. Awasthi, Dharamendra, Dhananjay Yadav, Instability of Rivlin-Ericksen fluid film with 2022 heat and mass transfer, International Communications in Heat and Mass Transfer 135, 106085, 2022. https://doi.org/10.1016/j.icheatmasstransfer.2022.106085. (Elsevier Publication, IF-6.78. H (index: 121, Scopus, Web of Science.

7. S. K. Maurya, Ayan Banerjee, Anirudh Pradhan, Dhananjay Yadav, "Minimally deformed 2022 charged stellar model by gravitational decoupling in 5D Einstein–Gauss–Bonnet gravity", European Physical Journal C, 82, 552, 2022. https://doi.org/10.1140/epjc/s10052-022-10496-6. ((Springer, Publication, IF: 4.99, H-Index: 183, Scopus, Web of Science

8. U.S. Mahabaleshwar, T. Anusha, O.A. Bég, Dhananjay Yadav, T. Botmart, "Impact of 2022 Navier's slip and chemical reaction on the hydromagnetic hybrid nanofluid flow and mass transfer due to porous stretching sheet", Scientific Reports,12, 10451, 2022. https://www.nature.com/articles/s41598-022-14692-y (Nature Publication, United Kingdom, (IF-4.996. H index: 242, Scopus, Web of Science

9. A.K. Verma,S. Rajput, K. Bhattacharyya,A.J. Chamkha, Dhananjay Yadav,"Comparison between graphene-water and graphene oxide-water nanofluid flows over exponential shrinking sheet in porous medium: Dual solutions and stability analysis", Chemical Engineering Journal Advances, 2022. https://doi.org/10.1016/j.ceja.2022.100401(Elsevier Publication, Scopus, Web of Science).

10. A.K. Verma, K. Bhattacharyya, S. Rajput, M.S. Mandal, A.J. Chamkha, Dhananjay Yadav,"Buoyancy driven non-Newtonian Prandtl-Eyring nanofluid flow in Darcy-Forchheimer porous medium over inclined non-linear expanding sheet with double stratification", Waves in Random and Complex Media, 1-33, 2022. (Taylor & Francis Publication, IF-4.05, H index-50, (Scopus, Web of Science

11. S. Shekhar, R. Ragoju, and Dhananjay Yadav, ``The effect of variable gravity on rotating Rayleigh–Bénard convection in a sparsely packed porous layer,`` Heat Transfer, vol. 51, pp. 4187-4204, 2022. https://doi.org/10.1002/htj.22495. (Wiley Publication, H index-30, Scopus, Web of Science).

12. Dhananjay Yadav, ``Thermal non-equilibrium effects on the instability mechanism in a non-Newtonian Jeffery fluid saturated porous layer,`` Journal of Porous Media, vol. 25, no. 2, pp. 1-12, 2022.(Begell House Publication, IF-1.78, H index-39, Scopus, Web of Science).

13. Dhananjay Yadav, ``Effect of electric field on the onset of Jeffery fluid convection in a heat-generating porous medium layer,`` Pramana, vol. 96, no. 1, pp. 1-8, 2022. (Springer Publication, IF-2.69, H index-54, Scopus, Web of Science).

14. Dhananjay Yadav, M. Al-Siyabi, M.K. Awasthi, S. Al-Nadhairi, A. Al-Rahbi, M. Al-Subhi, R. Ragoju, K. Bhattacharyya, ``Chemical Reaction and Internal Heating Effects on the Double Diffusive Convection in Porous Membrane Enclosures Soaked with Maxwell Fluid,`` Membranes, vol. 12, no. 3, p. 338, 2022. (MDPI Publication, IF-4.56, H index-48, Scopus, Web of Science).

15. Dhananjay Yadav, M.K. Awasthi, M. Al-Siyabi, S. Al-Nadhairi, A. Al-Rahbi, M. Al-Subhi, R. Ragoju, K. Bhattacharyya., ``Double diffusive convective motion in a reactive porous medium layer saturated by a non-Newtonian Kuvshiniski fluid,`` Physics of Fluids, vol. 34, no. 2, p. 024104, 2022

16. H. Zuo, Z. Salahshoor, Dhananjay Yadav, M. R. Hajizadeh, and B. X. Vuong, 2021 ``Investigation of thermal treatment of hybrid nanoparticles in a domain with different permeabilities,`` Journal of Thermal Analysis and Calorimetry, 145 2787–2794, 2021. https://doi.org/10.1007/s10973-020-09824-3. (Springer publication, IF-4.755, H index-101, Scopus, Web of Science).

17. Dhananjay Yadav, ``The effect of viscosity and Darcy number on the start of convective motion in a rotating porous medium layer saturated by a couple-stress fluid,`` Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 235, 999–1007,2021. https://doi.org/10.1177/0954406220942551. (SAGE Publication, IF-1.758. H index: 63, Scopus, Web of Science).

18. Dhananjay Yadav, The Effect of Rotation and Pulsating Through flow on the Onset of Longitudinal Convective Rolls in a Porous Medium Saturated by Nanofluid, Journal of Porous Media, 24, 10, 49-63, (Begell House Publication, IF-1.78, H index-39, Scopus, Web of Science).

19. M. K. Awasthi, A. K. Shukla, and Dhananjay Yadav, ``Rayleigh instability of power-law viscoelastic liquid with heat and mass transfer,`` International Communications in Heat and Mass Transfer, vol. 129, p. 105657, 2021. (Elsevier Publication, IF-6.78. H index: 121, Scopus, Web of Science). 24.

20. Dhananjay Yadav, and J. Wang, ``An improved UK-DNDC model for evaluations of soil temperature and nitrous oxide emissions from Canadian agriculture,`` Plant and Soil, vol. 469, no. 1, pp. 15-37, 2021. (Springer publication, IF-4.993, H index-200, Scopus, Web of Science).

A. Singha, G. Seth, K. Bhattacharyya, Dhananjay Yadav, A. K. Verma, and A. K. Gautam, 2021 .21 ``Soret and Dufour Effects on Hydromagnetic Flow of H2O-Based Nanofluids Induced by an Exponentially Expanding Sheet Saturated in a Non-Darcian Porous Medium,`` Journal of Nanofluids, vol. 10, no. 4, pp. 506-517, 2021. (American Scientific Publishers, H index-21, Scopus, .(Web of Science

Dhananjay Yadav, A. A. Mohamad, and M. K. Awasthi, ``The Horton–Rogers–Lapwood 2021 .22 problem in a Jeffrey fluid influenced by a vertical magnetic field,`` Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, vol. 235, no. 6, pp. .(2119-2128, 2021. (SAGE publication, IF-1.822, H index-34, Scopus, Web of Science

Dhananjay Yadav, ``Influence of anisotropy on the Jeffrey fluid convection in a horizontal 2021 .23 rotary porous layer,`` Heat Transfer, vol. 50, no. 5, pp. 4595-4606, 2021. (Wiley Publication, H .(index-30, Scopus, Web of Science

Dhananjay Yadav, S. Haider, S. Khan, S. Khan, and M. M. Selim, ``Hybrid nanomaterial 2021 .24 and instability analysis of convective flow in permeable media,`` Applied Nanoscience, pp. 1-15, .(2021. (Springer publication, IF-3.869, H index-61, Scopus, Web of Science

Dhananjay Yadav, Y.-M. Chu, and Z. Li, ``Examination of the nanofluid convective 2021 .25 instability of vertical constant throughflow in a porous medium layer with variable gravity,`` Applied Nanoscience, pp. 1-14, 2021. (Springer publication, IF-3.869, H index-61, Scopus, Web of .(Science

Dhananjay Yadav, A. Mohamad, and G. Rana, ``Effect of Throughflow on the Convective 2021 .26 Instabilities in an Anisotropic Porous Medium Layer with Inconstant Gravity,`` Journal of Applied and Computational Mechanics, vol. 7, no. 4, pp. 1964-1972, 2021. (Shahid Chamran University of (Ahvaz Publication, H index-24, Scopus, Web of Science

Dhananjay Yadav, U. Mahabaleshwar, A. Wakif, and R. Chand, ``Significance of the 2021 .27 inconstant viscosity and internal heat generation on the occurrence of Darcy-Brinkman convective motion in a couple-stress fluid saturated porous medium: An analytical solution,`` International Communications in Heat and Mass Transfer, vol. 122, p. 105165, 2021. (Elsevier Publication, .(IF-6.78. H index: 121, Scopus, Web of Science

Dhananjay Yadav, ``Numerical examination of the thermal instability in an anisotropic 2020 .28 porous medium layer subjected to rotation and variable gravity field," Special Topics and Reviews in Porous Media, 11, 395-407, 2020. https://doi.org/10.1615/SpecialTopicsRevPorousMedia.2020031484. (Begell Publication, H .(index-16, Scopus, Web of Science

Dhananjay Yadav, ``Effects of rotation and varying gravity on the onset of convection in 2020 .29 a porous medium layer: a numerical study,`` World Journal of Engineering,17, 785-7932020. https://doi.org/10.1108/WJE-03-2020-0086. (Emerald Publication, H index-13, Scopus, Web of .(Science

Dhananjay Yadav, ``The density-driven nanofluid convection in an anisotropic porous 2020 .30 medium layer with rotation and variable gravity field: A numerical investigation,`` Journal of Applied and Computational Mechanics, vol. 6, no. 3, pp. 699-712, 2020, doi: 10.22055/jacm.2019.31137.1833. (Shahid Chamran University of Ahvaz Publication, H index-24, .(Scopus, Web of Science

Y.-M. Chu, Dhananjay Yadav, A. Shafee, Z. Li, and Q.-V. Bach, ``Influence of wavy 2020 .31 enclosure and nanoparticles on heat release rate of PCM considering numerical study,`` Journal of Molecular Liquids, 319, 114121, 2020. https://doi.org/10.1016/j.molliq.2020.114121. (Elsevier .(Publication, IF-6.633. H index: 132, Scopus, Web of Science

Dhananjay Yadav, ``The onset of longitudinal convective rolls in a porous medium 2019 .32 saturated by a nanofluid with non-uniform internal heating and chemical reaction,`` Journal of Thermal Analysis and Calorimetry, vol. 135, no. 2, pp. 1107-1117, 2019. (Springer publication,

.(IF-4.755, H index-101, Scopus, Web of Science

Dhananjay Yadav, ``Numerical Investigation of the Combined Impact of Variable Gravity 2019 .33
Field and Throughflow on the Onset of Convective Motion in a Porous Medium layer,``
International Communications in Heat and Mass Transfer, vol. 108, pp. 104274, 2019.
https://doi.org/10.1016/j.icheatmasstransfer.2019.104274. (Elsevier Publication, IF-6.78. H index:
.(121, Scopus, Web of Science

Dhananjay Yadav, The effect of pulsating throughflow on the onset of magneto 2019 .34
convection in a layer of nanofluid confined within a Hele-Shaw cell، Journal of Process Mechanical
Engineering (SAGE Publishing), https://doi.org/10.1177/0954408919836362 IF: 1.21

Dhananjay Yadav, Impact of Chemical Reaction on the Convective Heat Transport in 2019 .35
Nanofluid Occupying in Porous Enclosures: A Realistic Approach، International Journal of
Mechanical Sciences Volumes 157–158, July 2019, Pages 357-373; ((Elsevier))IF:3.57

Dhananjay Yadav, A. Wakif, Z. Boulahia, R. Sehaqui, Numerical Examination of the 2019 .36
Thermo-Electro-Hydrodynamic Convection in a Horizontal Dielectric Nanofluid Layer Using the
Power Series Method، Journal of Nanofluids 8 (1), 117-131

Dhananjay Yadav, J. Wang 2019, Convective Heat Transport in a Heat Generating Porous 2019 .37
Layer Saturated by a Non-Newtonian Nanofluid, ، Heat Transfer Engineering (Taylor & Francis
Group Publications, IF-1.24, H- index: 50) https://doi.org/10.1080/01457632.2018.1470298

Dhananjay Yadav, The influence of pulsating throughflow on the onset of electro- 2018 .38
thermo-convection in a horizontal porous medium saturated by a dielectric nanofluid، Journal of
Applied Fluid Mechanics, 11, 1679-1689, 2018, IF: 1.1

Dhananjay Yadav, Throughflow and Magnetic Field Effects on the Onset of Convection in 2018 .39
a Hele Shaw Cell، Rev. Cubana Fis., 35, 108-114, 2018

Dhananjay Yadav, The onset of longitudinal convective rolls in a porous medium 2018 .40
saturated by a nanofluid with non-uniform internal heating and chemical reaction، Journal of
(Thermal Analysis and Calorimetry (IF: 2.2, H index-74

Dhananjay Yadav: 2017, Electrohydrodynamic instability in a heat generating porous 2017 .41
layer saturated by a dielectric nanofluid, Article in Press, Journal of Applied Fluid Mechanics, 10
.((3), 763-776 (IF-0.8

Dhananjay Yadav: 2017, Numerical solution of the onset of natural convection in a 2017 .42
rotating nanofluid layer induced by purely internal heating, International Journal of Applied and
Computational Mathematics, (Springer Publications) http://dx.doi.org/10.1007/s40819-017-0319-3

R. Chand, G.C. Rana, Dhananjay Yadav: 2017,Thermal instability in a layer of couple 2017 .43
stress nanofluid saturated porous medium, Journal of Theoretical and Applied Mechanics 47 (1),
69-44

R. Chand, Dhananjay Yadav, G.C. Rana: 2017, Thermal instability of couple-stress 2017 .44
nanofluid with vertical rotation in a porous medium, Journal of Porous Media, 20, 635-648 (Bengell
(House Publications, IF-1.03

Dhananjay Yadav, J.Wang, and Jinho Lee: 2017, Onset of Darcy-Brinkman convection in a 2017 .45
rotating porous layer induced by purely internal heating, Journal of Porous Media, 20, 691-706

Dhananjay Yadav, J. Wang: 2017, Modelling Carbon Dioxide Emissions from Agricultural 2017 .46
.(Soils in Canada, Environmental Pollution, 230, 1040-1049 (Elsevier Publications IF-5.1

Dhananjay Yadav, R. Bhargava and G.S. Agrawal: 2016 Erratum to: Thermal instability in 2016 .47
a nanofluid layer with a vertical magnetic field, Journal of Engineering Mathematics 100, 1–1
.((Springer Publications, IF-1.07

Dhananjay Yadav, R.A. Mohammad, J. Lee and H.H. Cho: 2016, Thermal convection in a 2016 .48
Kuvshiniski viscoelastic nanofluid saturated porous layer, Ain Shams Engineering Journal.

http://dx.doi.org/10.1016/j.asej.2015.11.023

Dhananjay Yadav, G.S. Agrawal and Jinho Lee: 2016, Thermal instability in a rotating nanofluid layer: A revised model, Ain Shams Engineering Journal , 7, 431–440 2016 .49

R. Chand, G.C. Rana, Dhananjay Yadav: 2016, Electrothermo Convection in a Porous (Medium Saturated by Nanofluid, Journal of Applied Fluid Mechanics, 9, 1081-1088 (IF-0.9 2016 .50

Dhananjay Yadav, R.A. Mohamed, H.H. Cho and Jinho Lee: 2016, The effect of Hall current on the onset of MHD convection in a porous medium layer saturated by a nanofluid, (Journal of Applied Fluid Mechanics, 9, 2379-2389 (IF-0.9 2016 .51

Dhananjay Yadav, J. Lee, H. H. Cho: 2016, Electrothermal instability in a porous medium (layer saturated by a dielectric nanofluid, Journal of Applied Fluid Mechanics, 9, 2123-2132 (IF-0.9 2016 .52

Dhananjay Yadav, J. Lee, H.H. Cho: 2016, Throughflow and quadratic drag effects on the onset of convection in a Forchheimer-extended Darcy porous medium layer saturated by a nanofluid, Journal of the Brazilian Society of Mechanical Sciences and Engineering, 38, 2299–2309 ((Springer Publications, IF-1.3 2016 .53

Dhananjay Yadav and Jinho Lee: 2016, Onset of convection in a nanofluid layer confined (within a Hele-Shaw cell, Journal of Applied Fluid Mechanics, 9, 519-527 (IF-0.9 2016 .54

Dhananjay Yadav, D. Lee, H.H. Cho and J. Lee: 2016, The onset of double-diffusive nanofluid convection in a rotating porous medium layer with thermal conductivity and viscosity .(variation: A revised model, Journal of Porous Media 19, 1-16 (Bengell House Publications, IF-1.03 2016 .55

Dhananjay Yadav, D. Nam, J. Lee: 2016, The onset of transient Soret-driven MHD convection confined within a Hele-Shaw cell with nanoparticles suspension, Journal of the Taiwan .(Institute of Chemical Engineers, 58, 235–244 (Elsevier Publications, IF-4.2 2016 .56

Dhananjay Yadav, J. Wang, R. Bhargava, J. Lee and H.H. Cho: 2016, Numerical investigation of the effect of magnetic field on the onset of nanofluid convection, Applied Thermal (Engineering 103, 1441-1449 (Elsevier Publications IF-3.4 2016 .57

R. Chand, Dhananjay Yadav, G.C. Rana: 2015, Electrothermo convection in a horizontal layer of rotating nanofluid, International Journal of Nanoparticles, 8, 241-261 2015 .58

Dhananjay Yadav and R. Srivastava: 2015, Vortex shedding past a single cylinder confined in a channel with blockage ratio 0.83, 0.85, 0.88 and 0.9, Elixir Mech. Engg. 85, 34557-34559 2015 .59

Dhananjay Yadav, R. Srivastava and Jinho Lee: 2015, Numerical simulation of vortex shedding past a single cylinder confined in a channel, Fluid Mechanics 1, 1-4 2015 .60

J.C. Umavathi, Dhananjay Yadav and M.B. Mohite: 2015, Linear and nonlinear stability analyses of double-diffusive convection in a porous medium layer saturated in a Maxwell nanofluid with variable viscosity and conductivity, Elixir Mech. Engg. 79, 30407-30426 2015 .61

Dhananjay Yadav and Jinho Lee: 2015, The effect of local thermal non-equilibrium on the onset of Brinkman convection in a nanofluid saturated rotating porous layer, Journal of Nanofluids 4, 335-342 2015 .62

G.C. Rana, R. Chand, Dhananjay Yadav: 2015, The onset of Electrohydrodynamic instability of an elastico-viscous Walters' (Model B`) dielectric fluid layer, FME Transactions 43, (154-160 (IF-0.7 2015 .63

Dhananjay Yadav and M.C. Kim: 2015, The onset of transient Soret-driven buoyancy convection in nanoparticle suspensions with particle concentration dependent viscosity in a .(porous medium, Journal of Porous Media, 18, 369-378 (Bengell House Publications, IF-1.04 2015 .64

Dhananjay Yadav, Changhoon Kim, Jinho Lee, Hyung Hee Cho: 2015, Influence of magnetic field on the onset of nanofluid convection induced by purely internal heating, 2015 .65

.(Computers and Fluids 121, 26-36 (Elsevier Publications, IF-2.3

Dhananjay Yadav, J. Lee, H.H. Cho: 2015, Brinkman convection induced by purely 2015 .66
internal heating in a rotating porous medium layer saturated by a nanofluid, Powder Technology,
.(286, 592-601 (Elsevier Publications, IF-3.0

Dhananjay Yadav and J, Lee: 2015, The onset of MHD nanofluid convection with Hall 2015 .67
.(current effect, European Physical Journal Plus 130, 162-184 (Springer Publications, IF-1.8

Dhananjay Yadav and M.C. Kim: 2015, Linear and non-linear analyses of Soret-driven 2015 .68
buoyancy convection in a vertically orientated Hele-Shaw cell with nanoparticles suspension,
.(Computers and Fluids, 117, 139-148 (Elsevier Publications, IF-2.3

Chandan Singh and Dhananjay Yadav: 2014, User Ranking by Monitoring Eye Gaze using 2014 .69
Eye Tracker, Advances in Intelligent Systems and Computing 258, 235-246

Chandan Singh, Dhananjay Yadav and Jinho Lee: 2014, Reader Comprehension Ranking 2014 .70
by Monitoring Eye Gaze using Eye Tracker, International Journal of Intelligent Systems
Technologies and Applications 13, 294-307

M.K. Awasthi, Dhananjay Yadav and G.S. Agrawal: 2014, Viscous potential flow analysis 2014 .71
of Electrohydrodynamic Rayleigh-Taylor instability, Journal of Applied Fluid Mechanics 7, 209-216
.((IF-0.8

Dhananjay Yadav, R. Bhargava, G.S. Agrawal, G.S. Hwang, J. Lee and M.C. Kim: 2014, 2014 .72
Magneto-convection in a rotating layer of nanofluid, Asia-Pacific Journal of Chemical Engineering
.(9, 663–677 (Wiley Online Library, IF-0.84

Dhananjay Yadav and M.C. Kim: 2014, Theoretical and Numerical Analyses on the Onset 2014 .73
and Growth of Convective Instabilities in a Horizontal Anisotropic Porous Medium, Journal of
.(Porous Media 17, 1061-1074 (Bengell House Publications, IF-1.03

Dhananjay Yadav and M.C. Kim: 2014, The effect of rotation on the onset of transient 2014 .74
Soret-driven buoyancy convection in a porous layer saturated by a nanofluid, Microfluidics and
(Nanofluidics 17, 1085-1093 (Springer Publications, IF-2.3

M.C. Kim and Dhananjay Yadav: 2014, Linear and nonlinear analyses of the onset of 2014 .75
buoyancy-induced instability in an unbounded porous medium saturated by miscible fluids,
.(Transport in Porous Media, 104, 407-433 (Springer Publications, IF-2.2

Dhananjay Yadav, R. Bhargava, G.S. Agrawal, N. Yadav, J. Lee and M.C. Kim: 2014 .76
2014,Thermal instability in a rotating porous layer saturated by a non-Newtonian nanofluid with
thermal conductivity and viscosity variation, Microfluidics and Nanofluidics 16, 425-440 (Springer
.(Publications, IF-2.3

Dhananjay Yadav, G.S. Agrawal and R. Bhargava: 2013, The Onset of double-diffusive 2013 .77
nanofluid convection in a layer of a saturated porous medium with thermal conductivity and
.(viscosity variation, Journal of Porous media 16, 105-121 (Bengell House Publications, IF-1.03

Dhananjay Yadav, R. Bhargava and G.S. Agrawal: 2013, Thermal instability in a 2013 .78
nanofluid layer with vertical magnetic field, Journal of Engineering Mathematics 80, 147–164
.((Springer Publications, IF-1.07

Dhananjay Yadav, R. Bhargava and G.S. Agrawal: 2013, Numerical solution of a thermal 2013 .79
instability problem in a rotating nanofluid layer, International Journal of Heat and Mass Transfer
.(63, 313–322 (Elsevier Publications, IF-3.5

Dhananjay Yadav, G.S. Agrawal and R. Bhargava: 2012, Effect of magnetic field on the 2012 .80
Rayleigh-Bénard convection in a nanofluid layer: Rigid-rigid boundaries, IEEE Xplore doi:
10.1109/AICERA.2012.6306678

Dhananjay Yadav, G.S. Agrawal and R. Bhargava: 2012, The onset of convection in a 2012 .81
binary nanofluid saturated porous layer, International Journal of Theoretical and Applied

Multiscale Mechanics 2, 198-224

82. 2012 Dhananjay Yadav, G.S. Agrawal and R. Bhargava: 2012, Effect of internal heat source on the onset of convection in nanofluid layer, Applied Mechanics and Materials 110-116, 1827-1832

83. 2012 Dhananjay Yadav, R. Bhargava and G.S. Agrawal: 2012, Boundary and internal heat source effects on the onset of Darcy-Brinkman convection in a porous layer saturated by nanofluid, International Journal of Thermal Sciences 60, 244-254 (Elsevier Publications, IF-3.6).

84. 2011 Dhananjay Yadav, G.S. Agrawal and R. Bhargava: 2011, Rayleigh-Bénard convection in nanofluid, International Journal of Applied Mathematics and Mechanics 7, 61-76

85. 2011 Dhananjay Yadav, G.S. Agrawal and R. Bhargava: 2011, Thermal instability in rotating nanofluid, International Journal of Engineering Science 49, 1171–1184 (Elsevier Publications, IF-4.3).

كتاب:

1. 2014 Yadav, D.: 2014, Hydrodynamic and Hydromagnetic Instability in Nanofluids, Lambert Academic Publishing, Germany. ISBN-13: 978-3659592010

الأنشطة الاستشارية

Senior Post Doc. Fellow، Athabasca University Canada، 2016- 2017

Senior Post Doc. Fellow، Yonsei University, Seoul, South Korea، 2014- 2016

Post Doc. Fellow، Jeju National University, Jeju, South Korea، 2013- 2014

Assistant Professor، Mangalayatan University Aligarh, India، 2013- 2013

Teaching Assistantship، Indian Institute of Technology Roorkee (IITR), India، 2010- 2013

العضوية في الهيئات المهنية

2019–الآن: Editorial Board member of Probe-Chemical and Biochemical Engineering

2019–الآن: Editorial board member of ``The Open Mechanical Engineering Journal

2018–الآن: Editorial Board member of Fluid Mechanics Journal

2016–الآن: Editor in Chief of International Journal of Energy and Thermal Fluids (//(http://issrpublishing.com/ijetf

2012–الآن: Senior Membership of Universal Association of Mechanical and Aeronautical Engineers (UAMAE) Member. No. SNM1010001050

2011–الآن: Senior Membership of International Association of Computer Science and Information Technology (IACSIT) Member. No. 80341768

2011–الآن: Senior Membership of International Association of Engineers (IAENG) Member. No. 111612

Dr Dhananjay Yadav UoN CV.pdf

المرجع: https://www.unizwa.edu.om/staff/cas/dhananjay