



د.دنانجاي ياداف

أستاذ مشارك

العلوم الرياضية والفيزيائية – شعبة الرياضيات

كلية العلوم والآداب

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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

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 -

مقال:

Dhananjay Yadav, MK Awasthi, US Mahabaleshwar, K Bhattacharyya, 2022, Numerical 2022 .1 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

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U.S. Mahabaleshwar, T. Anusha, O.A. Béguin, Dhananjay Yadav, T. Botmart, "Impact of 2022 .8 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

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[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:

[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

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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

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

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

Editorial Board member of Fluid Mechanics Journal :الآن-2018

Editor in Chief of International Journal of Energy and Thermal Fluids :الآن-2016

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