PUBLISHED / ACCEPTED RESEARCH ARTICLES

1. H. Kataria, A. S. Mittal, Mathematical model for velocity and temperature of gravity-driven convection optically thick nanofluid flow past an oscillating vertical plate in presence of magnetic field and radiation. Journal of Nigerian Mathematical Society **(Elsevier)**, 34 (2015) 303–317.
2. H. Kataria, A. S. Mittal, Velocity, mass and temperature analysis of gravity-driven convection nanofluid flow past an oscillating vertical plate in the presence of magnetic field in a porous medium, Applied Thermal Engineering **(Elsevier)**, 110 (2017) 864–874.
3. H. R. Kataria, A. S. Mittal, Analysis of Casson Nanofluid Flow in Presence of Magnetic Field and Radiation, Mathematics Today, 33 (2017) 99-120. ISSN 0976-3228.
4. M. Sheikholeslami, H. R. Kataria, A. S. Mittal, Effect of thermal diffusion and heat-generation on MHD nanofluid flow past an oscillating vertical plate through porous medium, Journal of Molecular Liquids **(Elsevier)**, 257 (2018) 12-25.
5. M. Sheikholeslami, H. R. Kataria, A. S. Mittal, Radiation effects on heat transfer of three dimensional nanofluid flow considering thermal interfacial resistance and micro mixing in suspensions, Chinese Journal of Physics **(Elsevier)**. 55 (2017) 2254 – 2272.
6. H. R. Kataria, A. S. Mittal, Mathematical Analysis of three dimensional nanofluid flow in a rotating system considering thermal interfacial resistance and Brownian motion in suspensions through porous medium, Mathematics Today, 34 (A) (2018)7-24, ISSN 0976-3228.

7. A. S. Mittal, H. R. Kataria, three dimensional CuO-Water nanofluid flow considering Brownian motion in presence of radiation, Karbala International Journal of Modern Science **(Elsevier), 10.1016/j.kijoms.2018.05.002.**

COMMUNICATED RESEARCH WORK

1. H. R. Kataria, A. S. Mittal, Analysis of unsteady nanofluid flow through parallel moving plates.
2. H. R. Kataria, A. S. Mittal, Mathematical analysis of unsteady two dimensional nanofluid flow through parallel moving plates.

PRESENTED RESEARCH WORK IN CONFERENCE

1. Natural convective magneto-Nanofluid flow and radiative heat transfer past over an oscillating vertical plate*, National Conference on current developments in Analysis and its applications*, The M. S. University of Baroda, March 14 – 15, 2015.
2. Flow, heat and mass transfer in nano fluid flow past an oscillating vertical plate with ramped temperature and ramped surface concentration through porous medium, *9th National Level Science Symposium-2016 on Recent Trends in Science and Technology*, Christ College, Rajkot, February 14, 2016
3. Mathematical Modelling of radiation effects on velocity, heat and mass transfer of natural convective Casson nanofluid flow, *International Conference on Recent Advance in Theoretical & Computational Partial differential equations with Applications* at University Institute of Engineering and Technology, Panjab University, Chandigarh, December 5 – 9, 2016.
4. Analysis of radiation effects on velocity, heat and mass transfer of natural convective Casson nanofluid flow with ramped boundary conditions, *International Conference on Futuristic Trends in Engineering, Science, Pharmacy and Management*, Vadodara, December 23, 2016.
5. Soret and Radiation effects on MHD chemically reactive nano fluid flow over an exponentially accelerated vertical plate with ramped wall temperature and ramped surface concentration through porous medium, *International conference on "Research and Innovations in Science, Engineering & Technology* at B. V. M, V.V. Nagar, February 17 – 19, 2017.

6. Mathematical Analysis on Radiation effects on Velocity, Heat and Mass transfer of nanofluid flow in presence of Magnetic field, *Science Conclave* at M. S. University, Vadodara, February 28, 2017.
7. Mathematical Analysis of three dimensional nanofluid flow in a rotating system considering thermal interfacial resistance and micro mixing in suspensions through porous medium, *International Conference on Advances in Pure and Applied Mathematics*, Ganpat University, Mehsana, December 22 – 24, 2017.