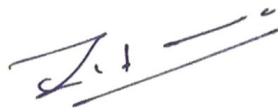


Certificate

This is to inform to all concerned that the following publications have arisen out of the research work carried out by my Ph.D. student Mital Hiren Mistry who wishes to submit the thesis entitled “**Mathematical Modelling of Electrically conducting fluid flow problems in Presence of Magnetic Field**” to the Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara for the award of Ph.D. Degree in Mathematics.

- 1 H. R. Kataria, M. H. Mistry, Effect of Non-linear Radiation on MHD Mixed Convection Flow of a Micropolar fluid Over an Unsteady Stretching Sheet. In **Journal of Physics : Conference series**, (2021), 1964, p. 022005, ISSN : 1742-6596. doi:10.1088/1742-6596/1964/2/022005, Scopus indexed journal.
- 2 H. R. Kataria, M. H. Mistry, A. S. Mittal, Influence of nonlinear radiation on MHD Micropolar fluid flow with viscous dissipation, **Heat Transfer (Wiley)**, (2022), 51(2), 1449-1467, ISSN : 2688-4542. <https://doi.org/10.1002/htj.22359>, Scopus indexed journal.
- 3 H. R. Kataria, M. H. Mistry, Entropy optimized MHD fluid flow over a vertical stretching sheet in presence of radiation, **Heat Transfer (Wiley)**, (2022), 51(3), 2546-2564, ISSN : 2688-4542. <https://doi.org/10.1002/htj.22412>, Scopus indexed journal.
- 4 H. R. Kataria, A. S. Mittal, M. H. Mistry, Effect of nonlinear radiation on entropy optimised MHD fluid flow, **International Journal of Ambient Energy (Taylor and Fransis)**, (2022), 1-10, ISSN : 2162-8246. <https://doi.org/10.1080/01430750.2022.2059000>, Scopus indexed journal.

5 H. R. Kataria, A. S. Mittal, M. H. Mistry, Consequences of nonlinear radiation, variable viscosity, Soret and Dufour effects on MHD Carreau fluid flow, **International Journal of Applied and Computational Mathematics (Springer)**, (2022), ISSN : 2199-5796, Scopus indexed journal.



Dr. Haribhai. R. Kataria
(Guide)

Professor,
Department of Mathematics,
Faculty of Science,
The M. S. University of Baroda,
Vadodara-390002
Department of Mathematics
Faculty of Science
The M.S. University of Baroda
Vadodara-390 002