Published/accepted research works

1 H. R. Kataria, H. R. Patel and R. P. Singh, Effect of magnetic field on unsteady natural convective flow of a micropolar fluid between two vertical walls, Ain Shams Engineering Journal (2017) 8, 87–102, ISSN: 2090-4479. (**Elsevier**). UGC Journal List Number: 3149.

2 H. R. Kataria and H. R. Patel, Heat and Mass Transfer in MHD Second Grade Fluid Flow with Ramped Wall Temperature through Porous Medium, Mathematics Today, 32 (2016) 67-83, ISSN 0976-3228, UGC Journal List Number: 47789

3 H. R. Kataria and H. R. Patel, Heat and mass transfer in MHD Casson fluid flow past over an oscillating vertical plate embedded in porous medium with ramped wall temperature, Propulsion and Power Research, Accept. ISSN: 2212-540X, (**Elsevier**), UGC Journal List Number: 48294

4 H. R. Kataria and H. R. Patel, Radiation and chemical reaction effects on MHD Casson fluid flow past an oscillating vertical plate embedded in porous medium, Alexandria Engineering Journal, 55 (2016) 583-595, ISSN: 1110-0168, (**Elsevier**), UGC Journal List Number: 12012

5 H. R. Kataria and H. R. Patel, Soret and heat generation effects on MHD casson fluid flow past an oscillating vertical plate embedded through porous medium, Alexandria Engineering Journal, 55 (2016) 2125–2137, ISSN: 1110-0168, (**Elsevier**). UGC Journal List Number: 12012

6 H. R. Kataria and H. R. Patel, Effect of thermo-diffusion and parabolic motion on MHD Second grade fluid flow with ramped wall temperature and ramped surface concentration,

Alexandria Engineering Journal, 10.1016/j.aej.2016.11.014, ISSN: 1110-0168, (**Elsevier**). UGC Journal List Number: 12012.

7 H. R. Kataria and H. R. Patel, Effect of thermal radiation and chemical reaction on MHD Casson fluid flow past over an exponentially accelerated vertical plate embedded in porous medium, Proceeding of Conference on International Conference on Futuristic Trends in Engineering, Science, Pharmacy and Management, ID: ICFTESPM2016CP150257, 1 (2016) 112-131, ISBN: 978-81-933386-0-5

8 H. R. Kataria and H. R. Patel, Effects of chemical reaction and heat generation/absorption on MHD Casson fluid flow over an exponentially accelerated vertical plate embedded in porous medium with ramped wall temperature and ramped surface concentration, Propulsion and Power Research, Accept. ISSN: 2212-540X, (**Elsevier**), UGC Journal List Number: 48294.

Communicated research works

1. H. R. Kataria and H. R. Patel, Heat generation/absorption effects on MHD Casson fluid flow past over an exponentially moving vertical plate embedded in a porous medium, Journal of Porous Media, begell house, ISSN: 1091-028X, UGC Journal List Number:19319
2. H. R. Kataria and H. R. Patel, Hall current and magnetic field effects on Casson fluid flow past an oscillating vertical plate in rotating system through porous medium, Journal of Mathematical Analysis and Applications (**Elsevier**), ISSN:0022-247X, UGC Journal List Number: 24474

Presented research works in conference

1 H. R. Kataria and H. R. Patel, MHD Flow of Micropolar Fluid between Two Vertical Walls, *National Conference on current developments in Analysis and its applications*, The M. S. University of Baroda, March 14-15, 2015

2 H. R. Kataria and H. R. Patel, Effect of radiation and chemical reaction on heat and mass transfer over an exponetially accelerated vertical plate with heat generation in a porous medium., *9th national level science Symposium-2016 on Recent Trends in Science and Technology*, Christ College, Rajkot, February 14, 2016

3 H. R. Kataria and H. R. Patel, Soret and Hall effects on MHD flow of radiating and chemically reactive Casson fluid past an exponentially accelerate moving vertical plate with ramped wall temperature and ramped surface concentration in rotating system. *International Conference on Recent trends in Engineering and Material Sciences (ICEMS-2016)*, Jaipur National University, March 17-19, 2016

4 H. R. Kataria and H. R. Patel, Soret and heat generation effects on mhd casson fluid flow past an oscillating vertical plate embedded with ramped wall temperature and ramped surface concentration through porous medium, 7thNational Conferences. "Emerging Vistas of Technology in the 21st century, 8th April 2016 to 9th April 2016, Parul University, Waghodiya

5 H. R. Kataria and H. R. Patel, Heat generation/absorption and hall effects on mhd casson fluid flow past an oscillating vetical plate with ramped wall temperature in rotating system through porous medium, *International Conference on "Recent Advance in Theoretical &*

Computational partial differential equations with Applications" at University Institute of Engineering and Technology during 05-09 Dec 2016, Panjab University, Chandigarh.

6 H. R. Kataria and H. R. Patel, Effect of thermal radiation and chemical reaction on mhd casson fluid flow past over an exponentially accelerated vertical plate embedded in a porous medium, "*An ISTE approved International Conference on Futuristic Trends in Engineering, Science, Pharmacy and Management (ICFTESPM) sponsored by A D Publication*" at Hotel Suba Elite, Fatehgunj, Vadodara, during 23 Dec 2016.

7 H. R. Kataria and H. R. Patel, Study of radiation, reaction and parabolic motion effects on MHD Casson fluid flow with ramped wall temperature, *International Conference on "Research and Innovations in Science, Engineering & Technology" ICRISET-2017 at* B.V.M, V.V.Nagar, during 17-19 Feb 2017