



**R.G.M.College of Engineering & Technology, Nandyal
(Autonomous)**

DEPARTMENT OF MATHEMATICS

List of PUBLICATIONS

A.Y. 2017-18

Web of Science (SCI/SCIE/ESCI):

- 1) P. Sreedevi, K.V. Suryanarayana Rao, P. Sudarsana Reddy, Ali. J. Chamkha, Heat and Mass transfer flow over a vertical cone through nanofluid saturated porous medium under convective boundary condition with suction/injection, *Journal of Nanofluids*, Vol.6, pp. 476-486, 2017. (ESCI Journal). ISSN: 2169-432X. UGC: 48725.
- 2) Y. Rajaobula Reddy, M. Suryanarayana Reddy, P. Sudarsana Reddy, Ali. J. Chamkha, Effect of Brownian motion and Thermophoresis on Heat and Mass transfer flow over a Horizontal circular cylinder filled with Nanofluid, *Journal of Nanofluids*, Vol.6. 702 -710, 2017. (ESCI Journal). ISSN: 2169-432X. UGC: 48725.
- 3) P. Sudarsana Reddy, Ali J. Chamkha, Ali F. Al-mudhaf, MHD heat and mass transfer flow of a nanofluid over an inclined vertical porous plate with radiation and heat generation/absorption, *Advanced Powder Technology* 28(3), 2017, 1008 – 1017. (SCI-E, Elsevier Journal). ISSN: 0921-8831. UGC: 1184.
- 4) B.Prabhavathi, P. Sudarsana Reddy, R. Bhuvana Vijaya, Ali. J. Chamkha, MHD boundary layer Heat and Mass Transfer flow over a Vertical Cone embedded in Porous media filled with Al_2O_3 -Water and Cu-Water Nanofluid, *Journal of Nanofluids*, Vol.6, 883 - 891, 2017. (ESCI Journal). ISSN: 2169-432X. UGC: 48725.
- 5) P. Sreedevi, P. Sudarsana Reddy, Ali. J. Chamkha, Heat and Mass transfer analysis of nanofluid over linear and non- linear stretching surface with thermal radiation and Chemical reaction, *Powder Technology* 315 (2017) 194 – 204 (ELSEVIER, SCI Journal). ISSN: 0032-5910. UGC: 30088.
- 6) P. Sudarsana Reddy, P. Sreedevi, Ali J. Chamkha, Ali F. Al-mudhaf, Heat and Mass Transfer boundary layer flow over a Vertical Cone through Porous Media filled with Cu – Water and Ag – Water Nanofluid, *Heat Transfer Reseach* 49(2), 119 – 143, 2018. (SCI – E Journal). ISSN: 1064-2285. UGC: 14276.
- 7) M. Santhi, K.V. Suryanarayana Rao, P. Sudarsana Reddy, P. Sreedevi, Heat and Mass transfer analysis of steady and unsteady nanofluid flow over Stretching sheet with double stratification, *Nanoscience and Technology: An International Journal (In Press)* 2019. (Begell House Publishers, ESCI Journal), ISSN: 2572-4258.

- 8) P. Sreedevi, P. Sudarsana Reddy, Ali. J. Chamkha, Heat and Mass transfer analysis of nanofluid over linear and non-linear stretching surface with thermal radiation and Chemical reaction, *Powder Technology* 315 (2017) 194 – 204. (ELSEVIER, SCI Journal).
- 9) P. Sudarsana Reddy, P. Sreedevi, Ali J. Chamkha, MHD boundary layer flow, heat and mass transfer analysis over a rotating disk through porous medium saturated by Cu-water and Ag-water nanofluid with chemical reaction, *Powder Technology* 307 (2017) 46 – 55. (ELSEVIER, SCI Journal).
- 10) P. Sreedevi, K.V. Suryanarayana Rao, P. Sudarsana Reddy, Ali. J. Chamkha, Heat and Mass transfer flow over a vertical cone through nanofluid saturated porous medium under convective boundary condition with suction/injection, *Journal of Nanofluids*, Vol.6, pp. 476-486, 2017. (ESCI Journal). ISSN: 2169-432X. UGC: 48725.
- 11) P. Sudarsana Reddy, P. Sreedevi, Ali J. Chamkha, MHD Natural Convection Boundary layer flow of Nanofluid over a Vertical Cone with Chemical Reaction and Suction/Injection” *Computational Thermal Science* 27(1), pp. 1 – 18, 2017. (ESCI Journal).
- 12) P. Sudarsana Reddy, P. Sreedevi, Ali J. Chamkha, Ali F. Al-mudhaf, Heat and Mass Transfer boundary layer flow over a Vertical Cone through Porous Media filled with Cu – Water and Ag – Water Nanofluid, *Heat Transfer Research*, 49(2), 119 – 143, 2018. (SCI-E Journal), 2017.
- 13) P. Sreedevi, P. Sudarsana Reddy and A. J. Chamkha, Thermo – Diffusion and Diffusion – Thermo effects on MHD heat and mass transfer of Micropolar fluid over stretching sheet, *International Journal of Fluid Mechanics Research*, 44(3), 241 – 256, 2017 (ESCI Journal).
- 14) P. Sudarsana Reddy, P. Sreedevi, Ali J. Chamkha, Heat and Mass transfer flow of a nanofluid over an inclined plate under enhanced boundary conditions with magnetic field and thermal radiation, *Heat transfer – Asian Research (ESCI Journal)*, 46(7), 815 – 839, 2017.
- 15) Y. Rajaobula Reddy, M. Suryanarayana Reddy, P. Sudarsana Reddy, Ali. J. Chamkha, Effect of Brownian motion and Thermophoresis on Heat and Mass transfer flow over a Horizontal circular cylinder filled with Nanofluid, *Journal of Nanofluids*, Vol.6. 702 -710, 2017. (ESCI Journal). ISSN: 2169-432X. UGC: 48725.
- 16) P. Sudarsana Reddy, Ali J. Chamkha, Heat and Mass transfer Characteristics of Nanofluid over Horizontal circular cylinder, *Ain Shams Engineering Journal* 9, 707 -716, 2018. Doi.org/10.1016/j.asej.2016.03.015. (ESCI , Elsevier Journal). ISSN: 2090 – 4479. UGC: 3149.
- 17) P. Sudarsana Reddy, P. Sreedevi, and A. J. Chamkha, Heat and Mass Transfer Characteristics of MHD three-dimensional flow over a Stretching Sheet filled with water - based Alumina nanofluid, *International Journal of Numerical Methods for Heat and Fluid Flow*, 28 (2018) 532 - 546. (SCI-Expanded Journal). ISSN: 0961 - 5539. UGC: 17271.
- 18) P. Sudarsana Reddy, P. Sreedevi, and A. J. Chamkha, MHD convective flow of SWCNTs-water and MWCNTs-water nanofluid over a vertical cone with thermal radiation and chemical reaction, *Journal of Porous Media*, Accepted, (SCI Journal). ISSN: 1091 – 028X. UGC: 22387.

- 19) P. Sreedevi, P. Sudarsana Reddy and A. J. Chamkha, Magneto-hydrodynamics heat and mass transfer analysis of single and multi - wall carbon nanotubes over vertical cone with convective boundary condition, *International journal of Mechanical sciences*, 135 (2018) 646 – 655, (ELSEVIER, SCI Journal). ISSN: 0020 – 7403. UGC: 17147. I.F:2.884.
- 20) P. Sudarsana Reddy, P. Sreedevi, and A. J. Chamkha, MHD boundary layer heat and mass transfer characteristics of nanofluid over a vertical cone under convective boundary condition, *Propulsion and Power Research* 7, (2018), 308 – 319, (ESCI Journal). ISSN: 2212-540X. UGC: 48294.
- 21) K. Jyothi, P. Sudarsana Reddy, M. Suryanarayana Reddy, Influence of Magnetic field and Thermal radiation on convective flow of SWCNTs-water and MWCNTs-water nanofluid between rotating stretchable disks with convective boundary conditions, *Powder Technology* 331 (2018) 326 - 337 (ELSEVIER, SCI Journal). ISSN: 0032-5910. UGC: 30088.