

- Communications in Nonlinear Science and Numerical Simulation, 14 (2009) 1267-1283.
- [11] Y. Zhang, L. Zheng, Analysis of MHD thermosolutal Marangoni convection with the heat generation and a first-order chemical reaction, *Chem. Eng. Sci.*, 69 (2012), pp. 449-455.
- [12] F. S. Ibrahim, A. M. Elaiw, A. A. Bakr, Effect of the chemical reaction and radiation absorption on the unsteady MHD free convection flow past a semi infinite vertical permeable moving plate with heat source and suction, *Commun. Nonlinear Sci. Numer. Simul.*, 13 (2008), pp. 1056-1066.
- [13] M. Q. Al-Odat, T. A. Al-Azab, Influence of chemical reaction on transient MHD free convection over a moving vertical plate, *Emirates J. Eng. Res.*, 12 (3) (2007), pp. 15-21.
- [14] M. A. Seddeek, A. A. Darwish, M. S. Abdelmeguid, Effects of chemical reaction and variable viscosity on hydromagnetic mixed convection heat and mass transfer for Hiemenz flow through porous media with radiation, *Commun. Nonlinear Sci. Numer. Simul.*, 12 (2007), pp. 195-213.
- [15] D. Pal, B. Talukdar, Perturbation analysis of unsteady magnetohydrodynamic convective heat and mass transfer in a boundary layer slip flow past a vertical permeable plate with thermal radiation and chemical reaction, *Commun. Nonlinear Sci. Numer. Simul.*, 15 (2010), pp. 1813-1830.
- [16] T. Hayat, A. Saleem, A. Tanveer, F. Alsaadi, Numerical analysis for peristalsis of Williamson nanofluid in the presence of an endoscope, *Int. J. Heat Mass Transfer*, 114 (2017), pp. 395-401.
- [17] Z. Asghar, N. Ali, Analysis of mixed convective heat and mass transfer on peristaltic flow of Fene-P fluid with chemical reaction, *J. Mech.*, 32 (2016), pp. 83-92.
- [18] T. Hayat, M. I. Khan, M. Farooq, A. Alsaedi, M. Waqas, T. Yasmeen, Impact of Cattaneo-Christov heat flux model in flow of variable thermal conductivity fluid over a variable thicked surface, *Int. J. Heat Mass Transf.*, 99 (2016), pp. 702-710.
- [19] T. Hayat, M. I. Khan, M. Farooq, T. Yasmeen, A. Alsaedi, Stagnation point flow with Cattaneo-Christov heat flux and homogeneous-heterogeneous reactions, *J. Mol. Liq.*, 220 (2016), pp. 49-55.
- [20] M. G. Reddy, Heat and mass transfer on magnetohydrodynamic peristaltic flow in a porous medium with partial slip, *Alex. Eng. J.*, 55 (2016), pp. 1225-1234.
- [21] S. Hina, M. Mustafa, T. Hayat, A. Alsaedi, Peristaltic transport of Powell-Eyring fluid in a curved channel with heat/mass transfer and wall properties, *Int. J. Heat Mass Transf.*, 10 (2016), pp. 156-165.
- [22] T. Hayat, M. Quratulain, F. Alsaadi Rafiq, M. Ayub, Soret and Dufour effects on peristaltic transport in curved channel with radial magnetic field and convective conditions, *J. Magn. Magn. Mater.*, 405 (2016), pp. 358-369.
- [23] T. Hayat, M. Rafiq, B. Ahmad, Soret and Dufour effects on MHD peristaltic flow of Jeffrey fluid in a rotating system with porous medium, *PLOS One*, 11 (2016), 10.1371/journal.pone.0145525.
- [24] P. S. Reddy, A. J. Chamkha, Soret and Dufour effects on MHD convective flow of Cu -water and Zn -water nanofluids past a stretching sheet in porous media with heat generation/absorption, *Adv. Powder Tech.*, 27 (2016), pp. 1207-1218
- [25] C. Y. Hsiao, W. J. Chang, M. I. Char, B. C. Tai, Influence of thermophoretic particle deposition on MHD free convection flow of non-Newtonian fluids from a vertical plate embedded in porous media considering Soret and Dufour effects, *Appl. Math. Comput.*, 244 (2014), pp. 390-397.
- [26] T. Hayat, H. Yasmin, M. Al-Yami, Soret and Dufour effects in peristaltic transport of physiological fluids with chemical reaction: A mathematical analysis, *Comp. Fluids*, 89 (2014), pp. 242-253.
- [27] M. I. Khan, M. Waqas, T. Hayat, A. Alsaedi, A comparative study of Casson fluid with homogeneous-heterogeneous reactions, *J. Colloids Interface Sci.*, 498 (2017), pp. 85-90.
- [28] M. I. Khan, T. Hayat, M. I. Khan, A. Alsaedi, A modified homogeneous-heterogeneous reactions for MHD stagnation flow with viscous dissipation and Joule heating, *Int. J. Heat Mass Transf.*, 113 (2017), pp. 310-317.
- [29] J. A. Weaver, R. Viskanta, Natural convection due to horizontal temperature and concentration gradients (2): species inter diffusion, Soret and Dufour effects, *Int. J. Heat Mass Transfer*, 34 (1991), pp. 3121-3133.
- [30] M. Anghel, H. S. Takhar, I. Pop, Dufour and Soret effects on free convection boundary-layer over a vertical surface embedded in a porous medium, *Studia Universitatis Babeş-Bolyai. Math.*, XLV (4) (2000), pp. 11-22.
- [31] A. Mahdy, MHD non-darcian free convection from a vertical wavy surface embedded in porous media in the presence of Soret and Dufour effect, *Int. Commun. Heat Mass Transfer*, 36 (2009), pp. 1067-1074.
- [32] A. Mahdy, Soret and Dufour effect on double diffusion mixed convection from a vertical surface in a porous medium saturated with a non-Newtonian fluid, *J. Non Newtonian Fluid Mech.*, 165 (2010), pp. 568-575.
- [33] R. R. Kairi, P. V. S. N. Murthy, The effect of melting and thermo-diffusion on natural convection heat mass transfer in a non-Newtonian fluid saturated non-Darcy porous medium, *Open Transp. Phenom. J.*, 1 (2009), pp. 7-14.
- [34] D. Srinivasacharya, Ch. RamReddy, Mixed convection heat and mass transfer in a non-Darcy micropolar fluid with Soret and Dufour effects, *Nonlinear Anal. Model. Control*, 16 (2011), pp. 100-115.
- [35] P. K. Kundu, K. Das, S. Jana, Combined effects of thermophoresis and chemical reaction magnetohydrodynamics mixed convection flow, *J. Thermophys. Heat Transfer*, 27 (4) (2013).

- [36] K. Das, Influence of thermophoresis and chemical reaction on MHD micropolar fluid flow with variable fluid properties, *Int. J. Heat Mass Transfer*, 55 (2012), pp. 7166-7174.