

BIBLIOGRAPHY

- [1] Abbasbandy S., Homotopy analysis method for heat radiation equations. *Int. Comm. Heat. Mass. Transfer*, 34 (2007) 380–387.
- [2] Acharya N, Das K, Kundu P. K., The squeezing flow of Cu-water and Cu-kerosene nanofluids between two parallel plates, *Alexandria Engineering Journal*, 55 (2016) 1177–1186.
- [3] Akbar N., Butt A., Physiological Transportation of Casson Fluid in a Plumb Duct, *Communications in Theoretical Physics*, 63 (2015) 347-352.
- [4] Akbar N. S., Tripathi D., Khan Z. H., Anwar Bég O., Mathematical model for ciliary-induced transport in MHD flow of Cu-H₂O nanofluids with magnetic induction, *Chin. J. Phys.*, 55 (2017) 947-962.
- [5] Alsaedi A, Awais M, Hayat T, Effects of heat generation/ absorption on stagnation point flow of nanofluid over a surface with convective boundary conditions, *Commun. Nonlinear Sci. Numer. Simulat.* 17 (2012) 4210–4223.
- [6] Animasaun I., Effects of thermophoresis, variable viscosity and thermal conductivity on free convective heat and mass transfer of non-darcian MHD dissipative Casson fluid flow with suction and nth order of chemical reaction, *Journal of the Nigerian Mathematical Society*, 34 (2015) 11–31.
- [7] Azmi W.H., Sharma K.V., Mamat R, Najafi K.V., Mohamad M.S., The enhancement of effective thermal conductivity and effective dynamic viscosity of nanofluids – A review, *Renewable and Sustainable Energy Reviews*, 53 (2016) 1046-1058.
- [8] Babu M. J., Sandeep N., Saleem S., , Free convective MHD Cattaneo-Christov flow over three different geometries with thermophoresis and Brownian motion, *Alexandria Engineering Journal*, 56 (2017) 659-669.
- [9] Casson N., A flow equation for the pigment oil suspensions of the printing ink type, C.C. Mills (Eds.), *Rheology of Disperse Systems*, Newyork Oxford: Pergamon, (1959) 84-104.
- [10] Das S., Jana R. N., Makinde O. D., MHD Boundary layer slip flow and heat transfer of nanofluid past a vertical stretching sheet with non-uniform heat generation/absorption. *International Journal of Nanoscience*, 13 (2014).
- [11] Das S., Mandal H. K., Jana R. N., Makinde O. D., Magneto-Nanofluid flow past an

- impulsively started porous flat plate in a rotating frame. *Journal of nanofluids*, 4 (2015) 167-175.
- [12] Ellahi R., Aziz S., Zeeshan A., Non Newtonian nanofluids flow through a porous medium between two coaxial cylinders with heat transfer and variable viscosity, *Journal of Porous Media*, 16 (2013) 205-216.
- [13] England W. G., Emery A. F., Thermal radiation effects on the laminar free convection boundary layer of an absorbing gas, *J. Heat Transf.*, 91 (1969) 37-44.
- [14] Freidoonimehr N., Rashidi M. M., Mahmud S.,: Unsteady MHD free convective flow past a permeable stretching vertical surface in a nanofluid, *International Journal of Thermal Sciences* 87 (2015) 136 - 145.
- [15] Ganji D.D, Malvandi A., Natural convection of nanofluids inside a vertical enclosure in the presence of a uniform magnetic field, *Powder Technology* 263 (2014) 50-57.
- [16] Hatami M., Jing D., Song D., Sheikholeslami M., Ganji D. D., Heat transfer and flow analysis of nanofluid flow between parallel plates in presence of variable magnetic field using HPM, *Journal of Magnetism and Magnetic Materials*, 396 (2015) 275-282.
- [17] Hatami M., Sheikholeslami M., Ganji D.D., Laminar flow and heat transfer of nanofluid between contracting and rotating disks by least square method, *Powder Technol.* 253 (2014) 769–779.
- [18] Hatami M., Sheikholeslami M., Ganji D.D., Nanofluid flow and heat transfer in an asymmetric porous channel with expanding or contracting wall, *Journal of Molecular Liquids* 195 (2014) 230–239.
- [19] Hatami M., Sheikholeslami M., Hosseini M., Ganji D. D., Analytical investigation of MHD nanofluid flow in non-parallel walls, *Journal of Molecular Liquids* 194 (2014) 251–259.
- [20] Hayat T., Aziz A., Muhammad T., Alsaedi A., Three-dimensional flow of nanofluid with heat and mass flux boundary conditions, *Chin. J. Phys.* 55 (2017) 1495-1510.
- [21] Hayat T., Hussain S., Muhammad T., Alsaedi A., Ayub M., Radiative flow of Powell–Eyring nanofluid with convective boundary conditions, *Chin. J. Phys.* 55 (2017) 1523-1538.
- [22] Hayat T., Khan M. I., Waqas M., Alsaedi A., Khan M., Radiative flow of micropolar nanofluid accounting thermophoresis and Brownian moment, *International Journal of Hydrogen Energy*, 42 (2017) 16821-16833.

- [23] Hayat T., Qayyum S., Alsaedi A., Ahmad B., Magnetohydrodynamic (MHD) nonlinear convective flow of Walters-B nanofluid over a nonlinear stretching sheet with variable thickness, *Int. J. Heat Mass Transfer* 110 (2017) 506-514.
- [24] Hayat T., Saleem A., Tanveer A., Alsaedi F., Numerical study for MHD peristaltic flow of Williamson nanofluid in an endoscope with partial slip and wall properties, *Int. J. Heat Mass Transfer*, 114 (2017) 1181-1187.
- [25] Hayat T., Waqas M., Khan M. I., Alsaedi A., Shehzad S. A., Magnetohydrodynamic flow of burgers fluid with heat source and power law heat flux, *Chin. J. Phys*, 55 (2017) 318-330.
- [26] Kakac S., Pramuanjaroenkij A., Review of convective heat transfer enhancement with nanofluids, *Int. J. Heat Mass Transfer*, 52 (2009) 3187–3196.
- [27] Kamran A., Hussain S., Sagheer M., Akmal N., A numerical study of magnetohydrodynamics flow in Casson nanofluid combined with Joule heating and slip boundary conditions, *Results in Physics*, 7 (2017) 3037-3048.
- [28] Kataria H. R, Mittal A.S., 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.
- [29] Kataria H. R, Mittal A.S., 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*, 34 (2015) 303–317.
- [30] Kataria H. R., Mittal A. S., Analysis of Casson Nanofluid Flow in Presence of Magnetic Field and Radiation, *Mathematics Today* 33 (2017) 99-120.
- [31] Kataria H. R., Mittal A. S., Velocity, mass and temperature analysis of gravitydriven convection nanofluid flow past an oscillating vertical plate in presence of magnetic field in a porous medium, *Applied Thermal Engineering*, 110 (2017) 864 - 874.
- [32] Kataria H. R., Patel H. R., Effect of thermo-diffusion and parabolic motion on MHD Second grade fluid flow with ramped wall temperature and ramped surface concentration, *Alexandria Engineering Journal*, 57 (2018) 73-85.
- [33] Kataria H. R., Patel H. R., 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.
- [34] Kataria H. R., Patel H. R., Sing R., Effect of magnetic field on unsteady natural convection flow of a micropolar fluid between two vertical walls . Ain Shams Engineering Journal, 8 (2017) 87-102.
 - [35] Kataria H. R., Patel H. R., 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.
 - [36] Kataria H. R., Patel H. R.,: Heat and Mass Transfer in MHD Second Grade Fluid Flow with Ramped Wall Temperature through Porous Medium, Mathematics Today, 32 (2016) 67-83.
 - [37] Koo J., Kleinstreuer C., Laminar nanofluid flow in microheat-sinks, Int. J. Heat Mass Transfer, 48 (2005) 2652–2661.
 - [38] Kumar R., Sood S., Sheikholeslami M., Shehzad S. A., Nonlinear thermal radiation and cubic autocatalysis chemical reaction effects on the flow of stretched nanofluid under rotational oscillations, J. Colloid Interface Science 505 (2017) 253–265.
 - [39] Kumaran G and Sandeep N., Thermophoresis and Brownian moment effects on parabolic flow of MHD Casson and Williamson fluids with cross diffusion, Journal of Molecular Liquids, 233 (2017) 262–269.
 - [40] Liao S. J., Beyond perturbation: Introduction to homotopy Analysis Method, Chapman and Hall/CRC Press, Boca Raton (2003).
 - [41] Madaki A. G., Roslan R., Rusiman M. S., Raju C. S. K., Analytical and numerical solutions of squeezing unsteady Cu and TiO₂-nanofluid flow in the presence of thermal radiation and heat generation/absorption, Alexandria Engineering Journal, (2017), <https://doi.org/10.1016/j.aej.2017.02.011>.
 - [42] Mahanta G. and Shaw S., 3D Casson fluid flow past a porous linearly stretching sheet with convective boundary condition Alexandria Engineering Journal, 54 (2015) 653–659.
 - [43] Mahapatra T. P., Pal D., Mondal D., "Natural convection in a lid-driven square cavity filled with Darcy-Forchheimer porous medium in the presence of thermal radiation." International Journal of Nonlinear Science 11 (2011) 366 - 379.
 - [44] Makinde O. D., Khan W. A., Khan Z. H. : Buoyancy effects on MHD stagnation point flow and heat transfer of a nanofluid past a convectionly heated stretching/shrinking sheet.

International Journal of Heat and Mass Transfer 62 (2013) 526-533.

- [45] Makinde O. D.: Computational modelling of nanofluids flow over a convectively heated unsteady stretching sheet. *Current Nanoscience*, 9 (2013) 673-678.
- [46] Motsumi T. G., Makinde O. D.: Effects of thermal radiation and viscous dissipation on boundary layer flow of nanofluids over a permeable moving flat plate. *Physical Scripta*, 86, (2012).
- [47] Mustafa M., Khan J. A., Hayat T., Alsaedi A., Buoyancy effects on the MHD nanofluid flow past a vertical surface with chemical reaction and activation energy, *Int. J. Heat Mass Transfer*, 108 (2017) 1340-1346.
- [48] Nadeem S., Mehmood R., Akbar N. S. Thermo-diffusion effects on MHD oblique stagnation-point flow of a viscoelastic fluid over a convective surface, *Eur. Phys. J. Plus* 129 (2014) 1-18.
- [49] Nadeem S., Mehmood R., Akbar N. S., Partial slip effect on non-aligned stagnation point nanofluid over a stretching convective surface *Chinese Physics B* 24 (1) (2015).
- [50] Nadeem S., Mehmood R., Akbar N. S., Combined effects of magnetic field and partial slip on obliquely striking rheological fluid over a stretching surface, *Journal of Magnetism and Magnetic Materials*, 378 (2015) 457–462.
- [51] Nadeem S., Mehmood R., Motsab S. S., Numerical investigation on MHD oblique flow of a Walter's B type nano fluid over a convective surface, *International Journal of Thermal Sciences* 92 (C) (2015) 162-172
- [52] Narayana P. and Babu D., Numerical study of MHD heat and mass transfer of a Jeffrey fluid over a stretching sheet with chemical reaction and thermal radiation, *Journal of the Taiwan Institute of Chemical Engineers*, 59 (2016) 18–25.
- [53] Nayak M. K., Dash G. C., Singh L. P., Heat and mass transfer effects on MHD viscoelastic fluid over a stretching sheet through porous medium in presence of chemical reaction, *Propulsion and Power Research*, 5 (2016) 70–80.
- [54] Ostrach, S., An analysis of laminar free-convection flow and heat transfer about a flat plate parallel to the direction of the generating body force, *NACA Report*, 1111 (1953) 63-79.
- [55] Oyelakin I. S., Mondal S., Sibanda P., Unsteady Casson nanofluid flow over a stretching sheet with thermal radiation, convective and slip boundary conditions, *Alexandria Engineering Journal*, 55 (2016) 1025-1035.

- [56] Oztop H.F., Abu-Nada E., Numerical study of natural convection in partially heated rectangular enclosures filled with nanofluids, *Int. J. Heat Fluid Flow* 29 (2008) 1326–1336.
- [57] Pramanik S, Casson fluid flow and heat transfer past an exponentially porous stretching surface in presence of thermal radiation, *Ain Shams Engineering Journal*, 5 (2014) 205–212.
- [58] Rashidi M. M., Ali M., Freidoonimehr N., Rostami B., Hossain M. A., Mixed convective heat transfer for MHD viscoelastic fluid flow over a porous wedge with thermal radiation, *Advances in Mechanical Engineering*, (2014), 735939.
- [59] Rashidi M. M., Erfani E., Analytical Method for Solving Steady MHD Convective and Slip Flow due to a Rotating Disk with Viscous Dissipation and Ohmic Heating, *Engineering Computations* 29 (6), (2012) 562–579.
- [60] Reddy P. B. A., Magnetohydrodynamic flow of a Casson fluid over an exponentially inclined permeable stretching surface with thermal radiation and chemical reaction, *Ain Shams Engineering Journal*, 7 (2016) 593–602.
- [61] Rosseland S, *Astrophysik und atom-theoretische Grundlagen*, Springer-Verlag, Berlin, 1931.
- [62] Sengupta S and Ahmed N, Chemical reaction interaction on unsteady MHD free convective radiative flow past an oscillating plate embedded in porous media with thermal diffusion, *Advances in Applied Science Research*, 6 (2015) 87-104.
- [63] Sheikholeslami M. KKL correlation for simulation of nanofluid flow and heat transfer in a permeable channel, *Physics Letters A* 378(45) (2014) 3331-3339.
- [64] Sheikholeslami M., Abelman S., Ganji D.D., Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation, *International Journal of Heat and Mass Transfer* 79 (2014) 212–222.
- [65] Sheikholeslami M., Bhatti M. M., Active method for nanofluid heat transfer enhancement by means of EHD, *International Journal of Heat and Mass Transfer*, 109 (2017) 115 – 122.
- [66] Sheikholeslami M., Bhatti M. M., Forced convection of nanofluid in presence of constant magnetic field considering shape effects of nanoparticles, *Int. J. Heat Mass Transfer* 111 (2017) 1039–1049.
- [67] Sheikholeslami M., Chamkha A. J., Flow and convective heat transfer of a ferro-nanofluid in a double-sided lid-driven cavity with a wavy wall in the presence of a variable magnetic

- field, Numerical Heat Transfer, Part A 69 (2016) 1186-1200.
- [68] Sheikholeslami M., Chamkha A. J., Rana P., Moradi R., Combined thermophoresis and Brownian motion effects on nanofluid free convection heat transfer in an L-shaped enclosure, Chinese Journal of Physics, 55 (2017) 2356-2370.
- [69] Sheikholeslami M., Ellahi R., Three dimensional mesoscopic simulation of magnetic field effect on natural convection of nanofluid, International Journal of Heat and Mass Transfer 89 (2015) 799-808. 3.1.26, 44
- [70] Sheikholeslami M., Ellahi R., Vafai K., Study of Fe₃O₄-water nanofluid with convective heat transfer in the presence of magnetic source, Alex. Eng. J. (2017) <https://doi.org/10.1016/j.aej.2017.01.027>.
- [71] Sheikholeslami M., Ganji D. D., Ashorynejad H. R., Investigation of squeezing unsteady nanofluid flow using ADM, Powder Technology, 239 (2013) 259-265.
- [72] Sheikholeslami M., Ganji D. D., Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. Physica A 417 (2015) 273-286.
- [73] Sheikholeslami M., Ganji D.D, Three dimensional heat and mass transfer in a rotating system using nanofluid, Powder Technology 253 (2014) 789-796.
- [74] Sheikholeslami M., Ganji D.D., Domairry G., Numerical simulation of two phase unsteady nanofluid flow and heat transfer between parallel plates in presence of time dependent magnetic field, Journal of the Taiwan Institute of Chemical Engineers, 46 (2015) 43-50.
- [75] Sheikholeslami M., Ganji D.D., Heat transfer of Cu–water nanofluid flow between parallel plates, Powder Technol. 235 (2013) 873–879.
- [76] Sheikholeslami M., Ganji D.D., Rashidi M. M., Magnetic field effect on unsteady nanofluid flow and heat transfer using Buongiorno model, Journal of Magnetism and Magnetic Materials, 416 (2016) 164 - 173.
- [77] Sheikholeslami M., GorjiBandpy M., Ellahi R., Hassan M., Soleimani S., Effects of MHD on Cu–water nanofluid flow and heat transfer by means of CVFEM, J. Magn. Mater. 349 (2014) 188–200.
- [78] Sheikholeslami M., Gorji-Bandpy M., Free convection of ferrofluid in a cavity heated from below in the presence of an external magnetic field, Powder Technology 256 (2014) 490-498.
- [79] Sheikholeslami M., Gorji-Bandpy M., Ganji D. D., Rana P., Soleimani S.,

- Magnetohydrodynamic free convection of Al_2O_3 -water nanofluid considering thermophoresis and Brownian motion effects, *Comput. Fluids* 94 (2014) 147–160.
- [80] Sheikholeslami M., Gorji-Bandpy M., Ganji D.D.: Lattice Boltzmann method for MHD natural convection heat transfer using nanofluid, *Powder Technology* 254 (2014) 82-93.
- [81] Sheikholeslami M., Hatami M., Ganji D.D., Analytical investigation of MHD nanofluid flow in a semi-porous channel, *Powder Technol.* 246 (2013) 327–336.
- [82] Sheikholeslami M., Hatami M., Ganji D.D., Micropolar fluid flow and heat transfer in a permeable channel using analytical method, *J. Mol. Liq.* 194 (2014) 30–36.
- [83] Sheikholeslami M., Hatami M., Ganji D.D., Nanofluid flow and heat transfer in a rotating system in the presence of a magnetic field, *J. Mol. Liq.* 190 (2014) 112–120.
- [84] Sheikholeslami M., Hayat T., Alsaedi A., MHD free convection of Al_2O_3 - water nanofluid considering thermal radiation: A numerical study, *International Journal of Heat and Mass Transfer* 96 (2016) 513-524.
- [85] Sheikholeslami M., Hayat T., Alsaedi A., Numerical simulation of nanofluid forced convection heat transfer improvement in existence of magnetic field using Lattice Boltzmann Method, *International Journal of Heat and Mass Transfer*, 108 (2017) 1870 - 1883.
- [86] Sheikholeslami M., Kataria H. R., Mittal A. S., Radiation effects on heat transfer of three dimensional nanofluid flow considering thermal interfacial resistance and micro mixing in suspensions, *Chinese Journal of Physics*, 55 (2017) 2254 - 2272.
- [87] Sheikholeslami M., Magnetohydrodynamic nanofluid forced convection in a porous lid driven cubic cavity using Lattice Boltzmann Method, *Journal of Molecular Liquids*, (2017): 10.1016/j.molliq.2017.02.020.
- [88] Sheikholeslami M., Rashidi M. M., Ganji D.D. , Effect of non-uniform magnetic field on forced convection heat transfer of Fe_3O_4 -water nanofluid, *Comput. Methods Appl. Mech. Engrg.* 294 (2015) 299-312.
- [89] Sheikholeslami M., Rashidi M. M., Hayat T., Ganji D.D. , Free convection of magnetic nanofluid considering MFD viscosity effect, *Journal of Molecular Liquids* 218 (2016) 393–399.
- [90] Sheikholeslami M., Rokni H. B., Effect of melting heat transfer on nanofluid flow in existence of magnetic field considering Buongiorno Model, *Chin. J. Phys.*, 55 (2017) 1115-

1126.

- [91] Sheikholeslami M., Rokni H. B., Free convection of CuO-H₂O nanofluid in a curved porous enclosure using mesoscopic approach, *Int. J. Hydrogen Energy*, 42 (2017) 14942-14949.
- [92] Sheikholeslami M., Rokni H. B., Influence of EFD viscosity on nanofluid forced convection in a cavity with sinusoidal wall, *Journal of Molecular Liquids*, (2017), <http://dx.doi.org/10.1016/j.molliq.2017.02.042>.
- [93] Sheikholeslami M., Rokni H. B., Influence of melting surface on MHD nanofluid flow by means of two phase model, *Chin. J. Phys.* 55 (2017) 1352-1360.
- [94] Sheikholeslami M., Sadoughi M., Mesoscopic method for MHD nanofluid flow inside a porous cavity considering various shapes of nanoparticles, *Int. J. Heat Mass Transfer* 113 (2017) 106–114.
- [95] Sheikholeslami M., Shamlooei M., Fe₃O₄ - H₂O nanofluid natural convection in presence of thermal radiation, *International Journal of Hydrogen Energy*, (2016) <http://dx.doi.org/10.1016/j.ijhydene.2017.02.031>.
- [96] Sheikholeslami M., Shehzad S. A., CVFEM for influence of external magnetic source on Fe₃O₄-H₂O nanofluid behavior in a permeable cavity considering shape effect, *Int. J. Heat Mass Transfer* 115 (2017) 180–191.
- [97] Sheikholeslami M., Shehzad S. A., Magnetohydrodynamic nanofluid convective flow in a porous enclosure by means of LBM, *Int. J. Heat Mass Transfer*, 113 (2017) 796-805.
- [98] Sheikholeslami M., Shehzad S. A., Magnetohydrodynamic nanofluid convection in a porous enclosure considering heat flux boundary condition, *Int. J. Heat Mass Transfer* 106 (2017) 1261–1269.
- [99] Sheikholeslami M., Shehzad S. A., Thermal radiation of ferrofluid in existence of Lorentz forces considering variable viscosity, *Int. J. Heat Mass Transfer* 109 (2017) 82–92.
- [100] Sheikholeslami M., Soleimani S., Ganji D. D.: Effect of electric field on hydrothermal behavior of nanofluid in a complex geometry, *Journal of Molecular Liquids* 213 (2016) 153-161.
- [101] Sheikholeslami M., Vajravelu K., Rashidi M. M., Forced convection heat transfer in a semi annulus under the influence of a variable magnetic field, *International Journal of Heat and Mass Transfer* 92 (2016) 339-348.

- [102] Sheikholeslami M., Zeeshan A., Mesoscopic simulation of CuO-H₂O nanofluid in a porous enclosure with elliptic heat source, *Int. J. Hydrogen Energy*, 42 (2017) 15393-15402.
- [103] Sheikholeslami M., Ganji D. D. Ferrohydrodynamic and Magnetohydrodynamic effects on ferrofluid flow and convection heat transfer, *Energy*, 75 (2014) 400-410.
- [104] Sheikholeslami M., Ganji D. D. Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM, *Comput. Methods Appl. Mech. Engrg.*, 283 (2015) 651-663.
- [105] Sheikholeslami M., Ganji D. D., External Magnetic Field Effects on Hydrothermal Treatment of Nanofluid, *Numerical and Analytical Studies*, Elsevier (2016).
- [106] Sheikholeslami M., Ganji D. D., Javed M. Y. Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model, *Journal of Magnetism and Magnetic Materials* 374 (2015) 36-43.
- [107] Sheikholeslami M., Ganji D. D., Rashidi M. M. Ferrofluid flow and heat transfer in a semi Annulus enclosure in the presence of magnetic source considering thermal radiation, *Journal of the Taiwan Institute of Chemical Engineers* 47 (2015) 6-17.
- [108] Sheikholeslami M., Rashidi M. M., Ganji D. D., Numerical investigation of magnetic nanofluid forced convection heat transfer in existence of variable magnetic field using two phase model, *Journal of Molecular Liquids* 212 (2015) 117-126.
- [109] Sheikholeslami M., Seyednezhad M., Nanofluid heat transfer in a permeable enclosure in presence of variable magnetic field by means of CVFEM, *Int. J. Heat Mass Transfer* 114 (2017) 1169-1180.
- [110] Sulochana C., Ashwinkumar G.P., Sandeep N., Transpiration effect on stagnation-point flow of a Carreau nanofluid in the presence of thermophoresis and Brownian motion, *Alexandria Engineering Journal* 55(2016), 1151–1157.
- [111] Ullah I., Shafie S., Khan I., Hsiao K. L., Brownian diffusion and thermophoresis mechanisms in Casson fluid over a moving wedge, *Results in Physics*, 9 (2018) 183-194.
- [112] Usman M., Hamid M., Khan U., Din S. T. M., Iqbal M. A., Wang W., Differential transform method for unsteady nanofluid flow and heat transfer, *Alexandria Engineering Journal*, (2017) <https://doi.org/10.1016/j.aej.2017.03.052>.
- [113] Usman M., Soomro F. A., Haq R. U., Wang W., Deftlerli O., Thermal and velocity slip effects on Casson nanofluid flow over an inclined permeable stretching cylinder via

collocation method, *International Journal of Heat and Mass Transfer*, 122 (2018) 1255-1263.

[114] Vadasz P., *Emerging Topics in Heat and Mass Transfer in Porous Media*. Springer, New York (2008).

[115] Vafai K, *Handbook of porous media*. C. R. C Press, 2 (2005) 141–377.

[116] Waqas M., Khan M. I., Hayat T., Alsaedi A., Khan M. I., On Cattaneo–Christov double diffusion impact for temperature-dependent conductivity of Powell–Eyring liquid, *Chin. J. Phys.*, 55 (2017) 729-737.