

# Mostafa Abdallah Ahmed

## *Curriculum Vitae*



### Personal Data

Full Name **Mostafa Abdallah Ahmed Abdelhafez**  
Nationality Egyptian  
Address Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt  
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major specialization **Fluids Mechanics**  
Current position **Lecturer**  
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Google Scholar [Please Click Here](#)  
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### Research Interest

Fluids Mechanics (Heat and Mass Transfer in Nanofluids) .

### Scopus Information's

Scopus ID	No. of articles in Scopus	Citations in Scopus	h-index in Scopus
57193515705	18	129	4

## Work Experience

- 2019 Lecture at Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt.
- 2011 Teaching Assistant at Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt.
- 2005 Instructor at Mathematics Department, Faculty of Science, Sohag University, Sohag, Egypt.

## Teaching (Undergraduate Courses)

Mathematics Courses.

## Languages

- Arabic Native
- English Very Good (Speaking – Writing - Listening)
- Russian Good (Speaking – Writing - Listening)

## Computer Skills

Expert ICDL certificate, Fundamentals of Digital Transformation Certificate (FDTC)

## Social skills

Football

## Publications

1. Hady F. M., Mohamed R. Eid, Abd-Elsalam M.R. And Mostafa A. Ahmed. Soret effect on natural convection boundary-layer flow of a non-Newtonian nanofluid over a vertical cone embedded in a porous medium, IOSR Journal of Mathematics (IOSR-JM) ,Volume 8, Issue 4 (Sep. - Oct. 2013), PP. 51-61.
2. Hady F. M., Mohamed R. Eid, Abd-Elsalam M.R. And Mostafa A. Ahmed. The Blasius and Sakiadis Flow in a Nanofluid through a Porous Medium in the Presence Of Thermal Radiation under a Convective Surface Boundary Condition, International Journal of Engineering and Innovative Technology (IJEIT) ,Volume 3, Issue 3, September 2013, PP. 225-234.
3. Hady F. M., Mohamed R. Eid And Mostafa A. Ahmed. A Nanofluid Flow in a Non-Linear Stretching Surface Saturated in a Porous Medium with Yield Stress Effect. Appl. Math. Inf. Sci. Lett. (2014) 2, No.2, PP. 43-51.
4. Hady F. M., Mohamed R. Eid And Mostafa A. Ahmed. Slip Effects on Unsteady MHD Stagnation Point Flow of a Nanofluid over Stretching Sheet in a Porous Medium with Thermal Radiation, Journal of Pure and Applied Mathematics: Advances and Applications (2014) 12, No. 2, PP. 181-206.
5. Abdelhafez M.A., Tsybulin V.G. Anisotropy effect on the convection of a heat-conducting fluid in a porous medium and cosymmetry of the darcy problem, Fluid Dynamics.2017.. 52. № 1. 49-57.
6. Abdelhafez M.A., Tsybulin V.G. Numerical simulation of convective motion in an anisotropic porous medium and cosymmetry conservation, Computational Mathematics and Mathematical Physics. 2017. . 57. № 10. PP. 1706-1719.
7. Abdelhafez M.A., Tsybulin V.G. Anisotropic Problem of Darcy Convection: Family of Steady Flows

- and Its Disintegration during the Destruction of Cosymmetry, *Fluid Dynamics*. 2018. . 53. № 6. PP. 738-749.
8. Abdelhafez M.A., Tsybulin V.G. Modeling of anisotropic convection for the binary fluid in porous medium, *Computer Research and Modeling* 2018. . 10. № 6. PP. 801-816.
  9. Abdelhafez M.A., Tsybulin V.G. Multistability of Stationary Motions for Darcy Convection Anisotropic Problem, *EPH-International Journal of Mathematics and Statistics* 2019. . 5. № 5. PP. 23-27.
  10. Abdelhafez M.A. Anisotropy Effects and Cosymmetry of Convective Flows for Nanofluids in Porous Medium, *Evolutions in Mechanical Engineering* 3(1) 2019 PP. 1—3.
  11. Abo-Dahab S., Abdelhafez M., Mebarek-Oudina F., Bilal S. MHD Casson nanofluid flow over nonlinearly heated porous medium in presence of extending surface effect with suction/injection, *Indian J Phys* (2021), pp. 1-15
  12. Bouslimi J., Abdelhafez M.A., Abd-Alla A.M., Abo-Dahab S.M., Mahmoud K.H. MHD mixed convection nanofluid flow over convectively heated nonlinear due to an extending surface with solet effect, *Complexity*. 2021(20):5592024.
  13. Abdelhafez M. A., Awad A. A., Nafe M. A. and Eisa D. A. Time-dependent viscous flow of higher-order reactive MHD Maxwell nanofluid with Joule heating in a porous regime, *Waves Random Complex Medium*, 2021(31): 1–21.
  14. Abd-Alla A.M., Abo-Dahab S.M., Abdelhafez M.A., Thabet E. N. Effects of heat transfer and the endoscope on Jeffrey fluid peristaltic flow in tubes, *Multidiscip Model Mater Struct*. 2021;17(5):895–914.
  15. Abd-Alla A.M., Abo-Dahab S.M., Abdelhafez M.A., Thabet E. N. Effects of heat transfer and the endoscope on Jeffrey fluid peristaltic flow in tubes, *Multidiscip Model Mater Struct*. 2021;17(5):895–914.
  16. Abd-Alla A.M., Abo-Dahab S.M., Abdelhafez M.A., Farhan A.M. Rotational Effect on the Propagation of Waves in a Magneto-Micropolar Thermoelastic Medium, *Computers Materials Continua*, 2021 69 (1), 205-220.
  17. Abdelhafez M.A., Abo-Dahab S.M. Soret effect and chemical reaction on a nonlinear, heated, convective flow of a MHD mixed nanofluid within a porous medium due to an extending surface, *J. Korean Phys. Soc.* (2022). <https://doi.org/10.1007/s40042-022-00414-0>.
  18. Abdelhafez M. A., Abd-Alla A. M. Abo-Dahab S. M. MHD convective non-Darcy flow of a nanofluid through a porous stretching sheet with thermal buoyancy and chemical reaction, *Waves in Random and Complex Media* (2022), DOI: 10.1080/17455030.2022.2026524.
  19. Abdelhafez M.A., Awad A.A., Nafe M.A. and Eisa D.A. Flow of mixed convection for radiative and magnetic hybrid nanofluid in a porous material with Joule heating, *Heat Transfer*. 2022; 1- 23. doi:10.1002/htj.22433.
  20. Abdelhafez, M.A., Awad, A.A., Nafe, M.A. and Eisa D.A. Effects of yield stress and chemical reaction on magnetic two-phase nanofluid flow in a porous regime with thermal ray, *Indian J Phys* (2022). <https://doi.org/10.1007/s12648-022-02288-1>.
  21. Abd-Alla A. M., Abo-Dahab S. M., Esraa N. Thabet and Abdelhafez M. A. Impact of inclined magnetic field on peristaltic flow of blood fluid in an inclined asymmetric channel in the presence of heat and mass transfer, *Waves in Random and Complex Media*, (2022). DOI: 10.1080/17455030.2022.2084653.
  22. Abd-Alla, A.M., Abo-Dahab, S.M., Thabet, E.N. and Abdelhafez, M. A. Peristaltic pump with heat and mass transfer of a fractional second grade fluid through porous medium inside a tube, *Sci Rep* 12, 10608 (2022). doi.org/10.1038/s41598-022-14773-y.
  23. Abd-Alla A. M., Abbas Ibrahim A., Abo-Dahab S. M., Elmhedy Yasmine, Sapoor Hussein and Abdelhafaz M. A. (2022) Effect of magnetic field and heat transfer on peristaltic flow of a micropolar fluid through a porous medium, *Waves in Random and Complex Media*, DOI: 10.1080/17455030.2022.2058111.