

Curriculum Vita		السيرة الذاتية			
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Name (English)		Fouad	Sayed	Ibrahim	الاسم (إنجليزي)
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Academic Title	Professor		Others Titles (Specify)		
Institute/University	Country		College/Directorate	Department	
Assiut University	Egypt		Faculty of Science	Mathematics Department	
Nationality		Date of Birth		Country of Birth	
Egyptian		27-7-1953		Egypt	
Languages		Arabic	English		
Major field		Specialization field			
Applied Mathematics		Fluid Mechanics			
Key words which describe your field	Computations Fluids Mechanics	Numerical Methods	Heat Transfer	Mass	Nanofluids
Qualifications					
Degree	Date awarded	Institute/University	Country		
B. Sc.	1976	Assiut	Egypt		
M. Sc.	1980	Assiut	Egypt		
Ph. D.	1987	Assiut	Egypt		
Work Experience					
Date: From - To	Position	Institute/University	Country		
1976-1980	Demonstrator	Assiut	Egypt		
1980-1987	Assistant Lecture	Assiut	Egypt		
1980-2002	Assistant Professor	Assiut	Egypt		
1990-1996	Assistant Professor	Faculty of Teachers in MadenaElmnawara	Saudi Arabia		
2002-2010	associate professor	Assiut	Egypt		
2010-2011	Professor	Assiut	Egypt		
2011-Now	Professor	Umm Al-Qura	Saudi		

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					Arabia
Current Research Interests					
<ul style="list-style-type: none"> - Heat and mass Transfer in boundary layer flow - Numerical methods for solving eigenvalue problems - Nanofluids. 					
Publications					
<ol style="list-style-type: none"> 1- KM Abualnaja, MS Elgendy, FS Ibrahim, Unsteady Mixed Convection Flow along Symmetric Wedge with Variable Surface Temperature Embedded in a Porous Medium Saturated with a Nanofluid, Journal of Applied Mathematics and Physics, Vol. 9, No. 1 (2021) pp. 101-126. 2- Abdullah A Abdullah, Fouad S Ibrahim, Ali J Chamkha, Nonsimilar Solution of Unsteady Mixed Convection Flow near the Stagnation Point of a Heated Vertical Plate in a Porous Medium Saturated with a Nanofluid, Journal of Porous Media, Vol. 21, No. 4 (2018) pp. 363-388. 3- Al-Harbi, S. M. and Ibrahim, F. S., Unsteady mixed convection boundary layer flow along a symmetric wedge with variable surface temperature embedded in a saturated porous medium, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 25, No. 5 (2015) 1162-1175. 4- Abdullah, A. A., Ibrahim, F. S., Abdel Gawad, A. F. and Batyyb, A., Investigation of Unsteady Mixed Convection Flow near the Stagnation Point of a Heated Vertical Plate embedded in a Nanofluid-Saturated Porous Medium by Self-Similar Technique, American Journal of Energy Engineering, Vol. 3, No. 4-1 (2015) 42-51. 5- Abdullah, A. A. and Ibrahim, F. S., Mixed Convection Stagnation Point Flow of a Vertical Surface Embedded in a Porous Medium Permeated by a Nanofluid, Recent Researches in Applied Mathematics, Simulation and Modelling, Proceedings of the 9th International Conference on Applied Mathematics, Simulation, Modelling (ASM '15), Konya, Turkey May 20-22, (2015) 68-77. 6- Hady, F. M., Ibrahim, F. S., Abdel-Gaied, S. M. and Eid, M. R., Radiation effect on viscous flow of a nanofluid and heat transfer over a nonlinearly stretching sheet, Nanoscale Research Letters, 7:229 doi:10.1186/1556-276X-7-229(2012). 7- Hady, F. M., Ibrahim, F. S., El-Hawary, H. M. H. and Abdelhady, A. M., Effect of Suction/Injection on Natural Convective Boundary-Layer Flow of A Nanofluid Past A Vertical Porous Plate Through A Porous Medium, J. of Mod. Meth.in Numer. Math., Vol. 3, No. 1, 53–63(2012). 8- A. M. Elaiw, A. M., Bakr, A. A., Alghamdi, M. A. and Ibrahim, F. S., Effect of Variable Viscosity on Vortex Instability of Non-Darcy Mixed Convection Boundary Layer Flow Adjacent to a Nonisothermal Horizontal Surface in a Porous Medium Mathematical Problems in Engineering, Vol. 2012, Article ID 691802, doi:10.1155/2012/691802(2012). 9- Hady, F. M., Ibrahim, F. S., El-Hawary, H. M. H. and Abdelhady, A. M., Forced Convection Flow of Nanofluids Past Power Law Stretching Horizontal Plates, Applied Mathematics, Vol. 3, 121-126 (2012) 10- Elaiw, A. M., Bakr, A. A. and Ibrahim, F. S., Effect of variable viscosity on vortex instability of non-Darcy free convection boundary layer flow adjacent to a non-isothermal horizontal surface in a porous medium, Boundary Value Problems 2012, 2012:26 doi:10.1186/1687-2770-2012-26(2012). 11- F.M. Hady, F. M., Ibrahim, F. S., Abdel-Gaied S.M. and Eid M. ., Effect of heat generation/absorption on natural convective boundary-layer flow from a vertical cone embedded in a porous medium filled with a non-Newtonian nanofluid, International Communications in Heat and Mass Transfer, Vol. 38, 1414–1420 (2011). 12- Hady, F. M., Ibrahim, F. S., Abdel-Gaied. S. M. and Eid, M. R., Boundary-layer non-Newtonian flow over vertical plate in porous medium saturated with nanofluid, Appl. Math. Mech. -Engl. Ed., Vol. 32, No.12, 1577–1586 (2011). 13- Elaiw, A. M., Ibrahim, F. S., Bakr, A. A. and Salama, A. A., Effect of Variable Viscosity on Vortex Instability to a Non-isothermal Horizontal Surface in a Porous Medium, Arab J Sci. Eng., Vol. 36, No. 8, 1517-1528 (2011). 14- Hady, F.M., Ibrahim, F.S., Abdel-Gaied. S.M. and Eid, M.R., Influence of yield stress on free convective 					

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<p>boundary-layer flow of a non-Newtonian nanofluid past a vertical plate in a porous medium, Journal of Mechanical Science and Technology, Vol. 25, No.8, 2043-2050 (2011).</p> <p>15- Elaiw, A. M., Ibrahim, F. S., Bakr, A. A and Gorla, R.S.R., Instability of Non-Darcian Mixed Convection Flow Over a Horizontal Permeable Surface Embedded in a Saturated Porous Medium, International J. of Fluid Mechanics Research, Vol. 37, No. 1, 15-30 (2010).</p> <p>16- Ibrahim, F. S.,Hady, F.M., Abdel-Gaied S. M., Eid and M. R., Influence of chemical reaction on heat and mass transfer of non-Newtonian fluid with yield stress by free convection from vertical surface in porous medium considering Soret effect, Appl. Math. Mech.-Engl. Ed., Vol. 31, No. 6, 675–684 (2010).</p> <p>17- Ibrahim, F. S.,Hady, F. M., Abdel-Gaied S. M. and Eid, M. R., Natural Convection of Non-Newtonian Power-Law Fluid over Axisymmetric and Two-Dimensional Bodies of Arbitrary Shape in a Fluid-Saturated Porous Medium, International Journal of Applied Mathematical Analysis and Applications, Vol. 1, No. 2, 127-136(2009).</p> <p>18- Ibrahim, F. S.,Hady, F. M., Abdel-Gaied S. M. and Eid, M. R., Heat and Mass Transfer in a Non-Newtonian Fluid Saturated Porous Medium over a Permeable Power-Law Stretched Sheet with Considering Heat Source or Sink, International Journal of Applied Mathematical Analysis and Applications Vol. 1, No. 2, 113-125(2009).</p> <p>19- Ibrahim, F. S., Hassanien, I. A. and Gorla, R.S.R., Microstructure effect on mixed convection flow over a non-isothermal vertical surface, International J. of Fluid Mechanics Research, Vol. 36, No. 2, 145-153 (2009).</p> <p>20- Ibrahim, F. S., Variable permeability effect on vortex instability of free convection flow over inclined heated surfaces in porous media, Mechanics and Mechanical Engineering, Vol. 13 No. 2, 55-67(2009).</p> <p>21- Elaiw, A.M., Ibrahim, F. S. and Bakr, A.A., Variable permeability and inertia effect on vortex instability of natural convection flow over horizontal permeable plates in porous media, Communications in Nonlinear Science and Numerical Simulations, Vol., 14, No. 5, 2190-2201 (2009).</p> <p>22- Elaiw, A. M. and Ibrahim, F. S., Variable permeability effect on vortex instability in buoyancy induced flow over non-isothermal inclined heated surfaces in porous media, International Journal of Modern Mathematics, Vol. 4, No. 2 (2009).</p> <p>23- Ibrahim, F. S., Elaiw, A. M. and Bakr, A. A., Influence of Viscous Dissipation and Radiation on Unsteady MHD Mixed Convection Flow of Micropolar Fluids, Applied Mathematics & Information Sciences, Vol. 2, No. 2, 143-162(2008).</p> <p>24- Hady, F. M., Ibrahim, F. S., Abdel-Gaied, S.M. and Eid, M.R., Influence of Chemical Reaction on Mixed Convection of Non-Newtonian Fluids Along Non-isothermal Horizontal Surface in Porous Media, Proceedings of the World Congress on Engineering 2008 Vol. III, WCE 2008, July 2 - 4, 2008, London, U.K.</p> <p>25- Ibrahim, F.S., Unsteady mixed convection flow in the stagnation region of a three dimensional body embedded in a porous medium, Nonlinear Analysis: Modeling and Control, Vol. 13, No. 1, 31-46(2008).</p> <p>26- Elaiw, A.M. and Ibrahim, F.S., Vortex instability of mixed convection boundary layer flow adjacent to a non-isothermal horizontal surface in a porous medium with variable permeability, Journal of Porous Media, Vol. 11, No. 3, 305-321(2008).</p> <p>27- Ibrahim, F. S., Elaiw, A. M. and Bakr, A. A., Effect of 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, Comm. in Nonlinear Science and Numerical Simulation, Vol. 13, 1056-1066 (2008).</p> <p>28- Elaiw, A. M., Ibrahim, F. S., and Bakr, A. A., The influence of variable permeability on vortex instability of a horizontal combined free and mixed convection flow in a saturated porous medium, ZAMM. Z. Angew. Math.Mech., Vol. 87, No. 7, 528-536(2007).</p> <p>29- Ibrahim, F. S., and Hamad, M.A.A., Group method analysis of mixed convection boundary-layer flow of a micropolar fluid near a stagnation point on a horizontal cylinder, ActaMechanica, Vol. 181, No. 1-2, 65-81(2006).</p> <p>30- Ibrahim, F. S., Hassanien, I. A. and Bakr, A. A., Thermal effects on Stokes's second problem for unsteady micropolar fluids flow, Applied Mechanics and Computation, Vol. 173, 916-937(2006).</p> <p>31- Hassanien, I. A., Ibrahim, F. S., and Omer, Gh. M., Unsteady flow and heat transfer of a viscous fluid in the stagnation region of a three-dimensional body embedded in a porous medium, Journal of Porous Media, Vol. 9, No. 4, 357-372 (2006).</p> <p>32- Ibrahim, F. S., Mansour, M. A. and Hamad, M. A. A., Lie-group analysis of radiative and magnetic field effects on free convection and mass transfer flow past a semi-infinite vertical flat plate, Electronic Journal of</p>					

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<p>Differential Equations, Vol. 2005, No. 39, 1-17(2005).</p> <p>33- Ibrahim, F. S., Mansour, M. A. and Abdel-Gaied, S. M., Radiative and thermal dispersion effects on non-Darcy natural convection with lateral mass flux for non-Newtonian fluid from a vertical flat plate in a saturated porous medium, Transport in Porous Media, 61, 45-57(2005).</p> <p>34- Hassanien, I.A., Ibrahim, F S., Orner, Gh.M., Effect of variable permeability and viscous dissipation on a non-Darcy Natural convection regime with thermal dispersion, Journal of Porous Media, Vol. 8, No. 2, 237-246(2005).</p> <p>35- Ibrahim, F. S., Hassanien, I.A., Bakr and A.A., Nonclassical thermal effects in Stoke's second problem for micropolar fluids. ASMA J. Applied Mechanics, Vol. 72, No. 4, 468-474 (2005).</p> <p>36- Hassanien, IA., Ibrahim, F.S. and Omer, Gh.M., Unsteady free convection flow in the stagnation-point region of a rotating sphere embedded in a porous medium, Mechanics and Mechanical Engineering, Vol. 7, No. 2, 89-98(2004).</p> <p>37- Ibrahim, F. S., Hassanien, I.A. and Bakr, A.A., Unsteady MHD micropolar fluid flow and heat transfer over a vertical porous plate through porous medium in the presence of thermal and mass diffusion with constant heat source, Canadian J. of Physics, Vol. 82, No.10, 775-790 (2004).</p> <p>38- Ibrahim, F.S. and Hessian, H.A., Influence of intrinsic decoherence in the presence of Strak shift on nonclassical properties of the two-mode JCM, International Journal of Theoretical Physics, Vol. 42, No. 7, 1651-1669 (2003).</p> <p>39- Ibrahim, F.S. and Omer, Gh.M., Nonsimilarity solutions for mixed convection from vertical plate embedded in a porous medium with variable permeability – variable wall heat flux, Mechanics and Mechanical Engineering, Vol. 5, No. 2, 155-168 (2001).</p> <p>40- Ibrahim, F.S., Non-Darcian effect on mixed convection of non-Newtonian fluids along a vertical plate with variable heat flux in porous media, Mechanics and Mechanical Engineering, Vol. 5, No. 1, 41-54 (2001).</p> <p>41- Ibrahim, F. S. and Hassanien, I.A., Local nonsimilarity solutions for mixed convection boundary layer flow of a micropolar fluid on horizontal flat plates with variable surface temperature, Applied Mathematics and Computation, Vol. 122, 133-153 (2001).</p> <p>42- Ibrahim, F. S., Abdel-Gaid, S.M. and Gorla, R.S.R., Non-Darcy mixed convection flow along a vertical plate embedded in a non-Newtonian fluid saturated porous medium with surface mass transfer, International Journal of Numerical Methods for Heat & Fluid Flow, Vol. 10, No. 4, 397-408 (2000).</p> <p>43- Ibrahim, F. S. and Hassanien, I.A., Mixed convection boundary layer flow of a micropolar fluid on a horizontal plates with power-low variation in surface temperature, International Journal of Thermal Science, Vol. 39 360-370 (2000).</p> <p>44- Ibrahim, F. S., Hassanien, I.A and Gorla, R.S.R., Microstructure effect on mixed convection flow over a non-isothermal vertical surface, J. of Theoretical and Applied Fluid Mechanics, Vol. 2, No. 1-2, 13-23(1999-2000).</p> <p>45- Ibrahim, F.S., Hassanien, I.A., Influence of variable permeability on combined convection along a non-isothermal wedge in a saturated porous medium, Transport in Porous Media, Vol. 39, 57-71(2000).</p> <p>46- Hassanien, I.A., Ibrahim, F.S., Gorla, R.S.R., Mixed convection boundary layer flow of a micropolar fluid on a horizontal plate, Chem. Eng. Comm., Vol. 170, 117-131(1998).</p> <p>47- Ibrahim, F. S., Flow and heat transfer from a continuous porous surface viscoelastic second-order fluid, Tenth International Conference on Mechanical Power Engineering, Assiut 16-18 Dec. (1997).</p> <p>48- Hady, F.M., Ibrahim, F.S., Forced convection heat transfer on a flat plate embedded in porous media for power-low fluids, Transport in Porous Media, Vol. 28, 125-134(1997).</p> <p>49- Ibrahim, F.S., Hady, F.M., A formulation of mixed convection with thermal radiation in boundary-layer flow adjacent to a vertical flat surface, Modelling,-Measurments-&-Control – B, Vol. 48, No. 1, 1-14(1993).</p> <p>50- Hady, F.M., Ibrahim, F.S., The laminar mixed convection plume along the vertical surface in a transverse magnetic field, Int. J. Engng. Sci., Vol. 29, No. 10, 1289-1293(1991).</p> <p>51- Ibrahim, F.S., Hady, F.M., Mixed convection-radiation interaction in boundary-layer flow over horizontal surfaces, Astrophysics and Space Science, Vol. 168, 263-276(1990).</p> <p>52- Ibrahim, F.S., Hady, F.M., Mixed convection over a horizontal plate with vectored mass transfer in a transverse magnetic field, Astrophysics and Space Science, Vol. 114, 335-344(1985).</p> <p>53- Ibrahim, F.S., Khater, A.H., Hady, F.M. , Convection flow over a uniform-flux vertical surface with variable viscosity, Astrophysics and Space Science, Vol. 112, 303-310(1985).</p> <p>54- El-Khabery, H. A., Ibrahim, F. S., The form factor effect of a nucleus with magnetic moment on photoproduced Electron-Positron pair, BULL. FAC. SCI. , ASSIUT UNIV., 8(2), 129-138(1979).</p>					

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THESES

- 1- Ghreeb M. Omar, Numerical treatment of flow Through Porous media Via non Similarity Analysis, M. Sc. Dissertation, Assiut University, Faculty of Science, Dept. of Math. (2000)
- 2- Mohamed Abd-Allah Hamad, Similarity solutions for partial differential equations of flow and heat transfer in the boundary layer via group theory, M. S. Dissertation, Assiut University, Faculty of Science, Dept. of Math. (2001).
- 3- Hosny A. Amar, Effect of decoherence on some phenomena in quantum optics, Ph. D., Assiut University, Faculty of Science, Dept. of Math. (2003)
- 4- Shar M. Abdel-Gaid, Numerical treatment of some problems for heat and fluids flow through porous media, Ph. D., Assiut University, Faculty of Science, Dept. of Math. (2004)
- 5- Ahmed A. Bakr, Analytical and numerical treatment of convective flow problems of micropolar fluids, M. Sc. Assiut University, Faculty of Science, Dept. of Math. (2004).
- 6- Mohamed Abd-Allah Hamad, Similarity solutions of partial differential equations of flow and heat transfer in the boundary layer via group theory, Ph. D., Assiut University, Faculty of Science, Dept. of Math. (2006).
- 7- Ahmed A. Bakr, Analytical and Numerical Treatment of Convective Flow Problems, Ph. D. Alazahr University, Assiut, Faculty of Science, Dept. of Mathematics (2008).
- 8- Mohamed Abdel-SaborFahmy, Solutions of some problems in mechanics of thermoelastic media, Ph. D. Alazahr University, Assiut, Faculty of Science, Dept. of Mathematics (2008).
- 9- Ghreeb M. Omar, Numerical treatment of some initial value problems for fluid flow through porous media, Ph. D. Dissertation, Assiut University, Faculty of Science, Dept. of Math. (2009)
- 10- Mohamed R. Ead, Hydrodynamics, M Sc. Alssiut University, New Valley, Faculty of Education, Dept. of Science and Mathematics (2009).
- 11- Mohamed R. Ead, On Convective Flow of Nanofluids in Boundary-Layer, , Ph. D., Assiut University, New Valley, Faculty of Education, Dept. of Science and Mathematics. (2012).
- 12- Ahmed M. Abdel-Rahim, Convective flow of nano-fluids, M.Sc. Faculty of Science, Dept. of Mathematics (2012)