PAPERS PUBLISHED IN REFERRED JOURNALS

1- **Mohamed Ali**, Abdullah Nuhait and Redhwan Almuzaiqer, "The effect of square tube location in a vertical array of square tubes on natural convection heat transfer", **published online** in Heat Transfer Engineering. HTE-3416, July 26, **2017**, http://dx.doi.org/10.1080/01457632.2017.1358485**.**

2- Chakravarthula S. K. RAJU, Naramgari SANDEEP, **Mohamed E. ALI,** Abdullah O. NUHAIT**, "**HEAT AND MASS TRANSFER IN 3D MHD WILLIAMSON-CASSON FLUIDS FLOW OVER A STRETCHING SURFACE WITH NON-UNIFORM HEAT SOURCE/SINK**" In press in the journal Thermal Science. 2017.**

3- M. Jayachandra Babu, N. Sandeep, **M.E. Ali**, Abdullah. O. Nuhait, "Magnetohydrodynamic dissipative flow across the slendering stretching sheet with temperature dependent variable viscosity"**,** Results in Physics 7 (**2017**) 1801–1807, doi: http://dx.doi.org/10.1016/j.rinp.2017.05.018.

4- **Mohamed E. Ali** and Abdullah Alabdulkarem, "On Thermal Characteristics and Microstructure of a New Insulation Material Extracted from Date Palm Trees Surface Fibers", Construction and Building Materials**,** Vol. 138, 1 May **2017**, Pages 276–284**.** http://dx.doi.org/10.1016/j.conbuildmat.2017.02.012.

5- G.Kumaran, N.Sandeep, and **M. E. Ali** "Computational analysis of magnetohydrodynamic Casson and Maxwell flows over a stretching sheet with cross diffusion", Results in Physics, Results in Physics, Volume 7, **2017**, Pages 147–155.

6- **Mohamed Ali** and N.Sandeep, "Cattaneo-Christov model for radiative heat transfer of magnetohydrodynamic Casson-ferrofluid: A numerical study", Results in Physics, Volume 7, **2017**, Pages 21–30.

7- **Mohamed Ali**, "Experimental free convection heat transfer from inclined square cylinders" Heat and Mass Transfer, HAMT-D-16-00138, DOI: 10.1007/s00231-016-1881-7, published online: 14 October 2016August Heat and Mass Transfer, 53(5), 1643-1655, **2017**. http://link.springer.com/article/10.1007/s00231-016-1881-7

8- C.S.K.Raju, N.Sandeep and **M. E. Ali** "Unsteady liquid film flow of electrically conducting magnetic-nanofluids in the vicinity of a thin elastic sheet" Accepted in the Journal of Computational and Theoretical Nanoscience (CTN) vol. 14, No. 2, pp. 1140–1147 (**2017)**.

9- C.S.K.Raju, N.Sandeep and **M. E. Ali** "Effect of temperature dependent viscosity on MHD radiative nanofluid flow caused by heated/cooled cone" in press the Journal of Computational and Theoretical Nanoscience, vol. 14, No. 1, pp. 821–828, **2017** (CTN).

10- Muhammad Mubashir Bhatti, Tehseen Abbas, Mohammad Mehdi Rashidi, **Mohamed El-Sayed Ali**, "Numerical Simulation of Entropy Generation with Thermal Radiation on MHD Carreau Nanofluid towards a Shrinking Sheet" Entropy, Received 8 April 2016. Entropy 2016, 18(6), 200; doi:10.3390/e18060200, pp. 1-14, Entropy- 128573.

11- Tehseen Abbas, Muhammad Ayub, Muhammad Mubashir Bhatti, Mohammad Mehdi Rashidi, **Mohamed El-Sayed Ali**, "Entropy generation on Nanofluid flow through a horizontal Riga plate", Entropy **2016**, 18 (6), 223, pp. 1-11; doi:10.3390/e18060223, entropy-132099, Received: 3 May **2016**.

12- Muhammad Mubashir Bhatti, Tehseen Abbas, Mohammad Mehdi Rashidi, **Mohamed El-Sayed Ali**, Zhigang Yang, "Entropy Generation on MHD Eyring-Powell Nanofluid through a permeable Stretching Surface" Entropy **2016**, 18 (6), 224, pp. 1- 14; doi:10.3390/e18060224, (entropy-129175)**.**

13- M.M.Rashidi, M.Jayachandra Babu, N.Sandeep and **M. E. Ali**, "MHD squeezing flow of nanofluid between parallel plates in the presence of aligned magnetic field", in press the *Journal of Computational and Theoretical Nanoscience (CTN), ISSN: 1546-1955 (Print): EISSN: 1546-1963 (Online),* vol. 13, No. 11, pp. 8700-8709, **2016.**

14- Jia Qing, Muhammad Mubashir Bhatti, Munawwar Ali Abbas, Mohammad Mehdi Rashidi**, Mohamed El-Sayed Ali**, "Entropy Generation on MHD Casson Nanofluid Flow over a Porous Stretching/Shrinking Surface" *Entropy* **2016**, *18*(4), 123; doi:10.3390/e18040123 (registering DOI), pp. 1-14, *Received: 24 February 2016 / Revised: 28 March 2016 / Accepted: 30 March* **2016** */ Published: 6 April **2016***. (This article belongs to the Special Issue Entropy in Nanofluids). Entropy-121964.

15- Mohammad Mehdi Rashidi, Muhammad Mubashir Bhatti, Munawwar Ali Abbas, **Mohamed El-Sayed Ali**, "Entropy generation on MHD blood flow of Nanofluid due to peristaltic wave", *Entropy* 2016, 18(4), 117, pp. 1-16; doi:10.3390/e18040117 (registering DOI), Received: 19 January 2016 / Revised: 24 March 2016 / Accepted: 24 March 2016 / Published: 1 April **2016**. (This article belongs to the Special Issue Entropy in Nanofluids).

16- A. Hajipour, M.M. Rashidi, **M. Ali**, Z. Yang, O. Anwar Bég "Thermodynamic Analysis and Comparison of the Air-Standard Atkinson and Dual-Atkinson Cycles with Heat Loss, Friction and Variable Specific Heats of Working Fluid," AJSE (Arabian Journal for Science and Engineering) published online on 23-10-2015, May **2016**, Volume 41, Issue 5, pp. 1635-1645, DOI: 10.1007/s13369-015-1903-7.

17- M.M. Rashidi, A. Basiri Parsa, L. Shamekhi, F. Nazari and **M. Ali**, "Exergetic optimization of a multi-stage compression transcritical refrigeration cycle", *Int. J. Exergy, Vol. 20, No. 1, pp. 22-47*, **2016**

18- **Mohamed Ali**, "Microstructure, Thermal Analysis and Acoustic characteristics of Calotropis procera (Apple of Sodom) fibers", Journal of Natural Fibers on 31-12-2013. 2014 Impact Factor: 0.460, Ranking: 15/22 (Materials Science, Textiles) ©2014 Thomson Reuters, **ISSN:** 1544-0478 (Print), 1544-046X (Online), (DOI:10.1080/15440478.2015.1029198), Journal of Natural Fibers, Volume: 13, Issue: 03, pages 343 - 352, 01 Jun **2016**.

19- **Mohamed Ali** and Eugen Magyari, "Mixed convection boundary layer flows induced by continuous vertical surfaces stretched with uniform or linear skin friction boundary conditions", Rev. Téc. Ing. Univ. Zulia. Vol. 38, Nº 2, 80 - 89, **2015**, Revista Tecnica De La Facultad De Ingenieria Universidad Del Zulia (Technical Journal of the Faculty of Engineering, TJFE), ISI Impact factor 0.047. ISSN: 0254-0770.

20- **Mohamed Ali** and Abdullah Alabdulkarem, "Laminar mixed convection boundary layer flow induced by a permeable surface stretched with prescribed skin friction boundary conditions", Advances in Mechanical Engineering, **2015**, Vol. 7(9), 1–11, 2015, DOI: 10.1177/1687814015605747, ISI Impact factor: 0.575.

21- **Ali, M**., Zeitoun, O., Al-Ansary, H., and Nuhait, A., "Experimental study for air cooling using a membrane covered tray", *Journal of Porous media*, volume 18, Issue 9, pp. 834-842, **2015**, Impact Factor: 0.867, ISSN Print: 1091-028X, ISSN Online: 1934-0508.

22- F. Garoosi, L. Jahanshaloo, M.M. Rashidi, A. Badakhsh, **M. ALi**, "Numerical simulation of natural convection of the nanofluid in heat exchangers using a Buongiorno model" *Applied Mathematics and Computation*, Volume 254, 1 March **2015**, Pages 183–203. ISI Impact factor 1.600, http://www.sciencedirect.com/science/article/pii/S0096300314017779

23- M. M. Rashidi, **M. Ali**, and B. Rostami, "Heat and mass transfer for MHD visco-elastic fluid flow over a vertical stretching sheet with considering Soret and Dufour effects", *Mathematical Problems in Engineering*, Special issue: Modeling and Analysis in Thermodynamics and Heat Transfer (MTHT) Volume 2015, Article ID 861065, 12 pages, http://dx.doi.org/10.1155/2015/861065, ISI Impact factor 1.082.

24- Hamad MAA, Mohammad Ferdows, and **Mohamed Ali**, "Lie group analysis on Brownian motion and thermophoresis effect on free convective boundary-layer flow on a vertical cylinder embedded in a nanofluid-saturated porous medium", *Journal of Applied Mathematics*, Special issue: Computational Science in smart grids and energy systems (SGRID), Volume 2015(2015), Article ID 741352, 6 pages, http://dx.doi.org/10.1155/2015/741352 . ISI Impact factor 0.720

25- **Mohamed Ali**, Abd-Elrahman El-leathy and Ziad Al-Sofyany, "The effect of nanofluid concentration on the cooling system of a vehicles radiator", *Advances in Mechanical Engineering*, Volume **2014**, Article ID 962510, 13 pages, http://dx.doi.org/10.1155/2014/962510, ISI Impact factor 0.500.

26- M.M. Rashidi, A. Hajipour, A. Mousapour, **M. Ali**, Gongnan Xie, N. Freidoonimehr, "First and second-law efficiency analyses and ANN prediction of a Diesel cycle with internal irreversibility, variable specific heats, heat loss and friction considerations", *Advances in Mechanical Engineering*, Volume 2014, Article ID 359872, 16 pages, **2014**, http://dx.doi.org/10.1155/2014/359872, ISI Impact factor 0.500. Volume: 6, Article first published online: April 15, 2017, Issue published January 1, 2014.

27- Zeitoun, O., **Ali, M.**, Al-Ansary, H. and Nuhait, A., "Ceramic tubes membrane technology as a new humidification technique for gas turbine inlet air cooling", *International Journal of Thermal Sciences*, vol. 80, June, pp. 1-10, **2014**, ISI, Impact factor: 2.47

28- M.M. Rashidi, **M. Ali**, N. Freidoonimehr, B. Rostami, M. Anwar Hossain, "Mixed Convective Heat Transfer for MHD Visco-Elastic Fluid Flow over a Porous Wedge with Thermal Radiation", *Advances in Mechanical Engineering*, Volume 2014 (**2014**), Article ID 735939, 10 pages, http://dx.doi.org/10.1155/**2014**/735939, ISI, Impact factor: 1.061

29- M.M. Rashidi, A. Aghagoli1, **M. Ali**, "Thermodynamic analysis of a steam power plant with double reheat and feed water heaters", *Advances in Mechanical Engineering*, Volume 2014, Article ID 940818, 11 pages, 2014, http://dx.doi.org/10.1155/**2014**/940818, ISI Impact factor: 1.o61

30- **Ali, M**., Zeitoun, O., Al-Ansary, H. and Nuhait, A., "Humidification technique using new modified MiniModule membrane contactors for air cooling", Advances in Mechanical Engineering, vol. 2013, Article ID 174016, 11 pages, **2013**. doi:10.1155/2013/174016. ISI, Impact factor: 1.061

31- Hany A. Al-Ansary, Jamel A. Orfi and **Mohamed E. Ali**, "Impact of the Use of a Hybrid Turbine Inlet Air Cooling System in Arid Climates", Energy Conversion and Management, 75, pp.214-223, **2013**. ISI, Impact factor: 2.775

32- **Ali, M**., 'Mixed Convection Boundary Layer Flows Induced by a Permeable Continuous Surface Stretched with Prescribed Skin Friction', World Academy of Science, Engineering and Technology, International Science Index 78, 7(6), 631 – 636, **2013**.

33- Mohammad M. Rashidi, **Mohamed Ali**, Navid Freidooni Mehr, and Foad Nazari, "Parametric Analysis and Optimization of Entropy Generation in Unsteady MHD Flow over a Stretching Rotating Disk using Artificial Neural Network and Particle Swarm Optimization Algorithm" ENERGY, Volume **55**, 15 June, Pages 497-510, **2013**, ISI, Impact factor: 3.487.

34- **Mohamed Ali** and Khaled Al-Salem, "The effect of suction or injection on the boundary layer flows induced by continuous surfaces stretched with prescribed skin friction," *Meccanica*, **48**, 7, pp. 1587- 1597, **2013**. ISI, Impact factor: 1.774

35- O. Zeitoun, **Mohamed Ali** and H. Al-Ansary, "The effect of particle concentration on cooling of a circular horizontal surface using nanofluid jets", *Nanoscale and Microscale Thermophysical Engineering*, vol. 17, Issue 2, pp. 154-171, **2013**. ISI, Impact factor: 1.056,

36- **Mohamed Ali**, O. Zeitoun and Salem Almotairi, "Natural convection heat transfer inside vertical circular enclosure filled with water-based Al_2O_3 nanofluids", *Int. Journal of Thermal Sciences* , **Vol.** 63, January 2013, PP 115-124, **2013.** ISI, Impact factor: 2.142, **Extracted from M. SC.**

37- **Mohamed Ali,** O. Zeitoun, Salem Almotairi and Hany Al-Ansary, "The effect of Alumina-water nanofluid on natural convection heat transfer inside vertical circular enclosure heated from above", *Heat Transfer Engineering*, **Vol**. 34, issue 15, pp. 1289-1299, **2013**. ISI, Impact factor: 0.892, **Extracted from M. SC.**

38- O. Zeitoun and **Mohamed Ali,** "Nanofluid impingement jet heat transfer", *Nanoscale Research Letters*, **7**:139, **2012**- ISI, Impact factor: 2.56.

39- **Mohamed Ali** and O. Zeitoun, "Discovering and manufacturing a new natural insulating material extracted from a plant grows up in Saudi Arabia" *J. of Engineered Fibers and Fabrics*, Volume 7, Issue 4, pp. 88-94, **2012**.- ISI, Impact factor: 0.889.

40- H. Al-Ansary, O. Zeitoun and **Mohamed Ali**, "Numerical Modeling of Natural Convection Heat Transfer Around Horizontal Triangular Cylinders." *Numerical Heat Transfer, Part A Applications*, vol. 61, Issue 3, pp 201-219, **2012**.- ISI, Impact factor: 1.183

41- S. Nadeem, Abdul Rehman, **Mohamed E. Ali**, "The boundary layer flow and heat transfer of a nanofluid over a vertical slender cylinder", Proceedings of the Institution of

Mechanical Engineers, Part N: *Journal of Nanoengineering and Nanosystems*, December **2012**, 226(4), pp.165- 173.

42- R. Ellahi, Arshad Riaz, S. Nadeem and **M. Ali**, "Peristaltic flow of Carreau fluid in a rectangular duct through a porous medium", journal of *Mathematical Problems in Engineering*, vol. 2012, Article ID 329639, 24 pages, **2012**. doi:10.1155/2012/329639, ISI, Impact factor: 0.777

43- Noreen Sher Akbar, S. Nadeem and **Mohamed Ali** "Influence of Heat and chemical reactions on hyperbolic tangent fluid model for blood flow through a tapered artery", *Heat Transfer Research* **43**(1), 69–94 (**2012**). ISI, Impact factor: 0.078.

44- Sohail Nadeem, Sadaf Ashiq and **Mohamed Ali**, "Williamson Fluid Model for the Peristaltic Flow of Chyme in Small Intestine," journal of *Mathematical Problems in Engineering*, Volume 2012, Article ID 479087, 18 pages, **2012**- ISI, Impact factor: 0.689

45- S. Nadeem, Noreen Sher Akbar and **Mohamed Ali**, "Endoscopic effects on the peristaltic flow of an Eyring-Powell fluid", *Meccanica*, Vol. 47, No. 3, pp. 687-697, **2012**.- ISI, Impact factor: 1.056.

46- **Mohamed Ali**, O. Zeitoun and A. Nuhait "Forced convection heat transfer over horizontal triangular cylinder in cross flow." *International Journal of Thermal Sciences*, vol. **50**, No. 1, pp 106- 114, **2011**.- ISI, Impact factor: 1.667.

47- Zeitoun, **Mohamed Ali**, and A. Nuhait, "Convective heat transfer around a triangular cylinder in an air cross flow", *International Journal of Thermal Sciences*, Vol. 50,No. 9, pp. 1685- 1697, **2011**.- ISI, Impact factor: 1.667.

48- **Mohamed E. Ali** and Hany Al-Ansary, "General correlations for laminar and transition natural convection heat transfer from vertical triangular cylinders in air," *Experimental Heat Transfer*, vol. 24, Issue 2, pp. 133- 150, **2011**.- ISI, Impact factor: 0.450.

49- Patrick D. Weidman and **Mohamed E. Ali,** "Aligned and nonaligned radial stagnation flow on a stretching cylinder", *Europen Journal of Mechanics- B/Fluids,* vol. **30**, No. 1, pp 120- 128, **2011**.- ISI, Impact factor: 1.068.

50- S. Nadeem, Noreen Sher Akbar, Ahmet Yildirm, Anwar Hussain and **Mohamed Ali**, "Series solutions for the stagnation flow of a maxwell fluid over a shrinking sheet", *Composites: Mechanics, Computations, An International Journal*, Vol. 2, No. 4, pp1-15, **2011**.

51- Noreen Sher Akbar, S. Nadeem and **Mohamed Ali**, "Jeffry fluid model for blood flow through a tapered artery with a stenosis", *Journal of Mechanics in Medicine and Biology*, Vol. 11, No. 3, pp. 529- 545, **2011**.- ISI, Impact factor: 0.493.

52- Colorado-Garrido D., **M. E. Ali**, Garcia-Valladares O. and Hernandez J. A., "Heat transfer using a correlation for natural convection from vertical helical coils in oil and glycerol/water solution", *Energy*, vol. 36, No. 2, pp. 854-863, **2011**.- ISI, Impact factor: 3.597.

53- O. Zeitoun, **Mohamed Ali**, and A. Nuhait, "Numerical study of forced convection around heated horizontal triangular ducts", *Advanced Computational Methods and Experiments in Heat Transfer XI, WIT Transactions on Engineering Sciences*, vol. 68, pp. 201-212, **2010**.

54- **Mohamed E. Ali** and Hany Al-Ansary, "Experimental Investigations on Natural Convection Heat Transfer Around Horizontal Triangular Ducts," *Heat Transfer Engineering*, Vol. 31, No. 5, pp. 350- 361, **2010**.- ISI, Impact factor: 0.937

55- **Mohamed Ali**, "Natural Convection Heat Transfer along Vertical Rectangular Ducts", *Heat and Mass Transfer*, vol. 46, No. 2, pp. 255-266, **2009**.http://www.springerlink.com/openurl.asp?genre=article&id=doi:10.1007/s00231-009-0561-2.- ISI, Impact factor: 0.673

56- **Mohamed E. Ali** and O. Zeitoun, "Nanofluids forced convection heat transfer inside circular tubes" *Int. J. Nanoparticles*, Vol. 2, Nos. 1/2/3/4/5/6, pp. 164- 172, **2009**.

57- O. Zeitoun and **Mohamed E. Ali**, "Nanofluids natural convection heat transfer in horizontal annulus" *Int. J. Nanoparticles*, Vol. 2, Nos. 1/2/3/4/5/6, pp. 173- 181, **2009**.

58- Suhil Kiwan **and Mohamed E. Ali**, "Near Slit Effects on the Flow and Heat Transfer from a Stretching Plate in a Porous Media," Numerical Heat Transfer, Part A, Applications, vol. 54, No. 1, pp. 93-108, **2008**.- ISI, Impact factor: 1.183

59- **Mohamed E. Ali**, "The effect of lateral mass flux on the natural convection boundary layers induced by a heated vertical plate embedded in a saturated porous medium with internal heat generation', *Int. J. of Thermal science*, Vol. **46**, No. 2, pp 157-163, **2007**.- ISI, Impact factor: 1.667

60- **Mohamed E. Ali** and E. Magyari " Unsteady Fluid and Heat Flow Induced by a Submerged Stretching Surface while its Steady Motion is Slowed Down Gradually", *Int. J. Heat and Mass Transfer*, Vol. **50**,pp 188-195, **2007**.- ISI, Impact factor: 1.899

61- **Mohamed E. Ali**, "Natural Convection Heat Transfer from Horizontal Rectangular Ducts," *ASME, J. of Heat Transfer*, Vol. **129**, No. 9, PP. 1195-1202, **2007**.- ISI, Impact factor: 0.942

62- **Mohamed E. Ali**, "The effect of variable viscosity on mixed convection heat transfer along a vertical moving surface", *Int. J. of Thermal Science*, Vol. **45**, No. 1, PP. 60-69, **2006.**- ISI, Impact factor: 1.667

63- **Mohamed E. Ali**, "Natural convection heat transfer from vertical helical coils in oil" *Heat Transfer Engineering- An International Journal*,vol. 27, No. 3, pp. 79- 85, **2006.** - ISI, Impact factor: 0.937

64- O. Zeitoun and **Mohamed Ali**, "Numerical investigation of natural convection around isothermal horizontal rectangular ducts", *Numerical Heat Transfer, Part A: Applications,* Vol. **50**. , pp. 189-204, **2006**.- ISI, Impact factor: 1.183

65- **Mohamed E. Ali** and Geoffrey B. McFadden, "Linear stability of cylindrical Couette Flow in the convection regime", *Physics of Fluids*, vol. **17**, 054112, No. 5, pp. 1-11, **2005**.- ISI, Impact factor: 1.722

66- O. Zeitoun and **Mohamed Ali**, "Natural convection heat transfer from isothermal horizontal rectangular ducts", *Alexandria Engineering Journal*, Vol. **44**, No. 5, pp. 695-704, **2005**.-

67- **Mohamed E. Ali**, "The buoyancy effects on the boundary layers induced by continuous surfaces stretched with rapidly decreasing velocities" *Heat and Mass Transfer*, vol. **40**, No. 3-4, pp. 285-291, **2004**.- ISI, Impact factor: 0.673

68- **Mohamed E. Ali**, "Free convection heat transfer from the outer surface of vertically oriented helical coils in Glycerol-Water solution" *Heat and Mass Transfer*, vol. **40**, No. 8, pp. 615-620, **2004.**- ISI, Impact factor: 0.673

69- **Mohamed E. Ali**, Deepanjan Mitra, John A. Schwille, and Richard M. Lueptow, "Hydrodynamic stability of a suspension in cylindrical Couette flow," *Physics of Fluids*, Vol. **14**, No. 3, PP 1236-1243, **2002**.- ISI, Impact factor: 1.722, **Extracted from M. SC.**

70- **Mohamed E. Ali** and Fahd Al-Yousef, "Laminar mixed convection boundary layers induced by a linearly stretching permeable surface" *Int. J. Heat and Mass Transfer*,vol. **45**, issue 21, pp. 4241-4250, **2002**.- ISI, Impact factor: 1.899, **Extracted from M. SC.**

71- E. Magyari, **M. E. Ali**, and B. Keller "Heat and mass transfer characteristics of the self-similar boundary-layer flows induced by continuous surfaces stretched with rapidly decreasing velocities*," Heat and Mass Transfer*, vol. **38**, issue (1-2), pp. 65-74, **2001**.- ISI, Impact factor: 0.673

72- Sami Al-Sanea and **Mohamed E. Ali**, "The effect of extrusion slit on the flow and heat transfer characteristics from a continuously moving material with suction or injection," *Int. J. of Heat and Fluid Flow*, Vol. **21**, No. 1, pp. 84-91, **2000**.- ISI, Impact factor: 1.802

73- **Mohamed E. Ali**, "Boundary layer flow characteristics of a stretched surface with suction or injection," *J. of King Abdulaziz* University, Engineering Sciences, **Special Issue**, pp. 235-243 (1420 A. H./ **1999** A. D.)

74- **Mohamed E. Ali**, "Laminar natural convection from a constant heat flux helical coiled tubes," *Int. J. of Heat and Mass Transfer*, vol. **41**, No. 14, pp. 2175-2182, **1998**.- ISI, Impact factor: 1.899

75- **Mohamed E. Ali**, and Fahd Al-Yousef, "Laminar mixed convection from a continuously moving vertical surface with suction or injection", *Heat and Mass Transfer*, Vol. **33**, No. 4, pp. 301-306, **1998**.- ISI, Impact factor: 0.673, **Extracted from M. SC.**

76- **Mohamed E. Ali**, "The effect of suction or injection on the laminar boundary layer development over a stretched surface," *J. of King Saud University Engineering Sciences*, Vol. **8**, pp. 43-58, **1996**.

77- **Mohamed E. Ali**, "On thermal boundary layer on a power-law stretched surface with suction or injection," *Int. J. of Heat and Fluid Flow*, Vol. **16**, issue 4, pp. 280-290, **1995**.- ISI, Impact factor: 1.802

78- **Mohamed E. Ali**, "Experimental investigation of natural convection from vertical helical coiled tubes," *Int. J. Heat Mass Transfer*, Vol. **37**, No. 4, pp. 665-671, **1994**.- ISI, Impact factor: 1.899

79- **Mohamed E. Ali**, "Heat transfer characteristics of a continuous stretching surface," *Warme- und Stoffubertragung*, Vol. **29**, pp. 227-234, **1994**.- ISI, Impact factor: 0.673

80- **Mohamed E. Ali** and P. D. Weidman, "On the linear stability of cellular spiral Couette flow," *Phys. Fluids A*, Vol. **5**, pp. 1188-1200, **1993**.- ISI, Impact factor: 1.722

81- **Mohamed Ali** and P. D. Weidman, "On the stability of circular Couette flow with radial heating," *J. Fluid Mech.*, Vol. **220**, pp. 53-84 **1990**.- ISI, Impact factor: 2.457, **Extracted from Ph. D.**

82- P. D. Weidman and **M. E. Ali**, "Stability of Taylor-Couette flow with radial heating," *Instabilities and Nonequilibrium Structures II*, E Tirapegui and D. Villarroel (eds.), pp. 255-268 (**1989**) by Kluwer Academic publishers, **Extracted from Ph. D.**

PAPERS PUBLISHED IN REFEREED CONFERENCE PROCEEDINGS

1- Mohamed Ali, Abdullah Alabdulkarem & Ali Alrewiba, "The effectof using an internal cooling coil on the performance of a basin solar still", Summer Heat Transfer Conference (SHTC), Hyatt Regency Bellevue, Bellevue, Washington, USA, July 9 - 14, 2017. Paper # HT2017-5148.

2- Mohamed Ali, Abdullah Nuhait & Redhwan Almuzaiqer, "Natural convection from the middle square tube in arrays of horizontal tubes", Summer Heat Transfer Conference (SHTC), Hyatt Regency Bellevue, Bellevue, Washington, USA, July 9 - 14, **2017**. Paper # HT2017-5134.

3- **Mohamed Ali**, Abdullah Nuhait & Redhwan Almuzaiqer, "Natural convection from a single square tube in a cascade of horizontal tubes", Proceedings of the First Pacific Rim Thermal Engineering Conference, PRTEC March 13-17, 2016, Hawaii's Big Island, USA, Paper # **PRTEC-15231**

4- **Mohamed Ali**, Abdullah Nuhait & Redhwan Almuzaiqer, "Study of Free Convection Heat transfer from a Single Square Cylinder in a Cascade of Cylinders" Proceedings of International Conference on Science, Management, Engineering and Technology 2015 (ICSMET 2015), 18th & 19th of March, pp. 20- 25, 2015, Dubai, UAE.

5- **Mohamed Ali**, "New natural insulating material extracted from the Apple of Sodam fibers", Scientific forum Towards a Better Environmental Future held at Shaqra University on 27-10-2014 (3-1-1436H) in Shaqra, Riyadh region, Saudi Arabia.

6- **Ali, M**., "New Natural Insulating Material", TechConnect World Innovation Conference & Expo., Washington, DC, USA, June 15- 18, 2014.

7- **Ali, M**., Zeitoun, O., Al-Ansary, H., and Nuhait, A., "Numerical Simulation of GE 7001 EA Gas Turbine Using Experimental Data for Compressor Inlet Air Cooling", Proceedings of the 10th International Conference on Heat transfer, Fluid mechanics and Thermodynamics, Orlando, Florida, USA, 14- 16 July, 2014.

8- **Ali, M.**, Zeitoun, O., Al-Ansary, H., and Nuhait, A., "Experimental Study for air cooling using membrane covered tray", 5th International Conference on Porous Media and Their Applications in Science, Engineering and Industry, June 22- 27, 2014, Kona, Hawaii, Eds, ECI Symposium Series, Volume (2014). http://dc.engconfintl.org/porous_media_V/49

9- **M. Ali**, "Mixed convection boundary layer flows induced by a permeable continuous surface stretched with prescribed skin friction", Proceedings of the International

Conference on Heat transfer, Fluid mechanics and Thermodynamics, Toronto, Canada, 20- 21 June, 2013.

10- **M. Ali**, A. El-leathay and Z. Al-Sofyany, "The effect of using Al_2O_3- water nanofluid as a coolant in vehicles radiator", Proceedings of the 3rd International Conference on Nanotechnology: Fundamentals and Applications, paper # 184, Montreal, Quebec, Canada, 7- 9 August, 2012.

11- **Ali, M.**, Zeitoun, O., Al-Ansary, H., and Nuhait, A., "Air cooling using a matrix of ceramic tubes", Fourth International Conference on Porous Media and its Applications in Science, Engineering and Industry, June 17- 22, volume 1453, pp. 307-311, 2012, Potsdam, Germany.

12- **Mohamed Ali** and Khaled Al-Salem, "Boundary layer flows induced by permeable continuous surface stretched with prescribed skin friction" 2nd International Conference on Fluid Mechanics and Heat and Mass Transfer, Corfu Island, Greece, July 14-16, 2011.

13- **Mohamed Ali** and Obida Zeitoun, "Thermal conductivity of a new natural insulating material extracted from some plant grows up in Saudi Arabia" International Conference on innovative Technologies, IN-TECH 2011, Bratislava, Slovakia, September 1-3, 2011.

14- Patrick D. Weidman and **Mohamed E. Ali,** "Symmetric and asymmetric radial stagnation flows on a stretching cylinder", Euromech Fluid Mechanics Conference 8, September 13-16, 2010, Altes Koenigliches Kurhaus, Bad Reichenhall, Germany.

15- **Mohamed Ali**, O. Zeitoun and A. Nuhait "Forced convection heat transfer over horizontal triangular cylinder in cross flow." Proceedings of the 7th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, 19- 21 July 2010, Antalya, Turkey.

16- **Mohamed E. Ali** and Hany Al-Ansary "Natural Convection Heat Transfer from Vertical Triangular Ducts" Proceedings of 2009 ASME Summer Heat Transfer Conference (HT09- 2009), San Francisco, California, USA, July 19-23, 2009. Paper # HT2009-88607(vol. 2, pp. 421-428, 2009).

17- O. Zeitoun, **Mohamed Ali** and A. Nuhait "Numerical study of forced convection around heated horizontal triangular ducts" Fourteenth International Conference on Computational Modeling and Experimental Measurements, 10-12 June 2009, Algarve, Portugal.

18- **Mohamed Ali** and O. Zeitoun, "Nanofluids Forced Convection Heat Transfer inside Circular Tubes" Proceedings of the International Conference on Nanotechnology (ICON008), June 17-19, 2008, Jeddah, Saudi Arabia.

19- O. Zeitoun and **Mohamed Ali**, "Nanofluids Natural Convection Heat Transfer in Horizontal Annulus" Proceedings of the International Conference on Nanotechnology (ICON008), June 17-19, 2008, Jeddah, Saudi Arabia.

20- **Mohamed E. Ali** "Natural Convection Heat Transfer from Vertical Square Ducts" Proceedings of 2008 ASME Summer Heat Transfer Conference, Jacksonville, FL, USA, August 10-14, 2008. Paper # HT2008-56413, (vol. 1, pp. 293-300).

21- **Mohamed E. Ali** and Hany Al-Ansary, "Empirical Correlations for Natural Convection Heat Transfer from Horizontal Triangular Ducts," 6th international Engineering Conference, Mansoura/Sharm El-sheikh, March 18-23, 2008, Egypt.

22- **Mohamed E. Ali**, "Free Convection Investigation on Heat Transfer from Horizontal Rectangular and Square Ducts", Al-Azhar Engineering 9th International Conference (AEIC 2007), Cairo, Egypt, April 12-14, 2007.

23- Suhil Kiwan and **Mohamed E. Ali**, "Flow and Heat Transfer Characteristics Induced by a Stretching Surface in a Porous Media", 7th Saudi Engineering Conference (SEC7), Riyadh, Saudi Arabia, December 2-5, 2007.

24- **Mohamed E. Ali** and Hany Alansary, "Natural Convection Heat Transfer from Horizontal Triangular Ducts ", 7th Saudi Engineering Conference (SEC7), Riyadh, Saudi Arabia, December 2-5, 2007.

25- Hany Alansary, O. Zeitoun and **Mohamed E. Ali** "Numerical Study of Natural Convection from a Uniformly Heated Horizontal Triangular Ducts ", 7th Saudi Engineering Conference (SEC7), Riyadh, Saudi Arabia, December 2-5, 2007**.**

26- **Mohamed E. Ali**, "Experimental Investigation on Heat Transfer Coefficient from Horizontal Rectangular Ducts by free convection," The 4th Saudi Technical Conference and exhibition," Riyadh, Saudi Arabia, Vol. **III**, pp. 19-27, 2-6/12/2006.

27- **Mohamed E. Ali**, "The effect of lateral mass flux on the natural convection boundary layers induced by a vertically heated plate embedded in a saturated porous medium with internal heat generation' 5th International Engineering Conference, Mansoura-Sharm El-Shekh, March 27-31, 2006.

28- **Mohamed E. Ali**, "The effect of variable viscosity on flow and heat transfer of mixed convection induced by a continuous moving surface" *Proceedings of Fourth international Engineering Conference (**4th IEC**)*, 20-22 April, 2004, Mansoura University, Sharm El-Shiekh, Egypt.

29- **Mohamed E. Ali** and Geoffrey B. McFadden, "Linear stability of cylindrical Couette Flow using a convection regime base flow" Proceedings of *International Mechanical Engineering Conference (IMEC2004)*, Kuwait Society of Engineers, Part **1**, Paper # IMEC04-1001, pp. 1-19, December 5-8, 2004, Kuwait.

30- **Mohamed E. Ali**, "The effect of variable viscosity on a mixed convection boundary layer induced in manufacturing of extruded vertical materials" *Proceeding of the 2nd IIEC-2004*, December 19-21, 2004, Riyadh, Kingdom of Saudi Arabia.

31- **M. E. Ali**, "Natural convection heat transfer from vertical helical coils in high Prandtl number fluid" *Proceedings of Al-Azhar Engineering 7th International Conference (**AEIC**)*, **CD code M04/05**, 7-10 April, 2003, Al-Azhar University, Cairo, Egypt.

32- **Mohamed E. Ali**, Deepanjan Mitra, and Richard M. Lueptow, "Stability of a Suspension in Taylor Couette Flow" Proceedings of the Seventh International Conference of Fluid Dynamics and Propulsion (ICFDP7), December 19-21, (2001), Cairo, Egypt, Paper No. ICFDP7-2001056.

33- **Mohamed E. Ali** and Fahd Al-Yousef, “Laminar mixed convection boundary layers induced by a linearly stretching permeable surface” Proceedings of the Seventh International Conference of Fluid Dynamics and Propulsion (ICFDP7), December 19-21, (2001), Cairo, Egypt, ICFDP7-2001014.

34- **Mohamed E. Ali**, "The buoyancy effects on the boundary layers induced by continuous surfaces stretched with rapidly decreasing velocities" *Proceedings of the 6th Saudi Engineering Conference,*vol. **5**, pp. 591-605, 14-17 December, 2002, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia**.**

35- **Mohamed E. Ali**, “Heat and mass transfer characteristics of continuously moving surfaces” *Trends in Heat, Mass & Momentum Transfer*, Vol. **6**, pp. 135-140, (2000), India. (Invited review article).

36- **Mohamed E. Ali** and Fahd A-Yousef, “ Heat transfer and flow field on an extruded vertical material with suction or blowing*”, The Fifth Saudi Engineering Conference*, vol. **4**, pp. 341-351, March 1-4, 1999, Makkah Al-Mukarramah, Saudi Arabia.

37- **Mohamed E. Ali**, “Natural convection from vertical helical coiled tubes in air,” *Proceedings of the 33rd National Heat Transfer Conference,* Aug. 15-17, 1999, Albuquerque, New Mexico, USA, Paper No. **NHTC 99-114**.

38- **Mohamed E. Ali** and Fahd Al-Yousef, “Heat transfer and flow field on an extruded vertical material,” *The 10th International Conference on Mechanical Power Engineering*, vol. **1**, pp. 207-219, Dec., 16-18, 1997, Assiut, Egypt.

39- **Mohamed E. Ali**, “Heat transfer characteristics of a stretched surface with suction or injection,” *Fifth International Conference of Fluid Mechanics,* Vol. **III**, pp. 959-971, (1995), Cairo, Egypt.

40- **Mohamed E. Ali**, “Boundary layer flow characteristics of a stretched surface with suction or injection,” *The Fourth Saudi Engineering Conference*, Vol. **IV**, pp385-394, (1995), Jeddah, Saudi Arabia.

41- **Mohamed E. Ali** and Patrick D. Weidman, "Symmetry and instability of radially heated circular Couette flow in a tall vertical annulus,” 3rd. *International Congress of Fluid Mechanics,* Vol. **I**, Sec. 5, pp. 271-283, (1990), Cairo, Egypt.