

Dr. Hafiz Muhammad Ali

CV

UPDATED: MAY/2018

1. BIOGRAPHICAL SKETCH

1.1 GENERAL INFORMATION					
Surname:	ALI	Maiden name	None		
First names:	Hafiz Muhammad				
Title:	Dr.	Gender:	Male	Citizenship:	Pakistan
Date of birth:	13/08/1981		Age:	36	
Email address:	h.m.ali@uettaxila.edu.pk , h.m.ali@qmul.ac.uk				
Institution most recently affiliated with:	University of Engineering and Technology Taxila, Pakistan				
Position:	Associate Professor				
Postal address:	Mechanical Engineering Department, University of Engineering and Technology Taxila, 47050, Pakistan.				
Telephone number:	0092-3325606044	Fax number:	None at present		

1.2 ACADEMIC QUALIFICATIONS OBTAINED			
Degree/ Diploma	Field of study	HE institution	Year obtained
Postdoctoral Scholar	Heat Transfer	University of California (UC)	2016
Ph.D. Mechanical Engineering	Condensation Heat Transfer	Queen Mary, University of London	2011
B.Sc.	Mechanical Engineering	University of Engineering and Technology, Taxila, Pakistan	2006

2. RESEARCH OUTPUT

Book Chapters

1. Ali, H. M. (2017). [Condensation Heat Transfer on Geometrically Enhanced Horizontal Tube: A Review](#), Heat Exchangers - Advanced Features and Applications, Prof. S M Sohel Murshed (Ed.), **InTech**, DOI: 10.5772/65896.
2. Ali, H. M. Sajid, M. U. and Arshad, A. (2017). [Heat Transfer Applications of TiO₂ Nanofluids](#), Application of Titanium Dioxide, Magdalena Janus (Ed.), **InTech**, DOI: 10.5772/intechopen.68602.

Monograph

3. Akram, N., Moazzam, M.U., Ali, H. M., Ajaz, A., Saleem, A. (2018). [Experimental investigation of waste heat recovery through surface of rotary kiln](#), page 27-34, Contemporary Problems of Power Engineering and Environmental Protection 2017, Krzysztof Pikoń and Lucyna Czarnowska (Ed.), **Department of Technologies and Installations for Waste Management, Silesian University of Technology**. ISBN 978-83-950087-1-9

Publications in peer-reviewed/refereed journals (with total Impact Factor over 150)

4. Ali, H. M. and Briggs, A. (2012), [Condensation of R-113 on Pin-Fin Tubes: Effect of Circumferential Pin Thickness and Spacing](#), Vol. 33, Issue 3, Pages 205-212, **Heat Transfer Engineering**.
Impact Factor: 1.235
5. Ali, H. M. and Briggs, A. (2012), [Condensation of ethylene glycol on Pin-Fin Tubes: Effect of Circumferential Pin Thickness and Spacing](#), Vol. 49, Pages 9-13, **Applied Thermal Engineering**.
Impact Factor: 3.356
6. Ali, H. M. and Briggs, A. (2012), [Enhanced Condensation of ethylene glycol on Pin-Fin Tubes: Effect of Pin Geometry](#), Vol. 134, 011503, **ASME J. of Heat Transfer**.
Impact Factor: 1.866
7. Ali, H. M. and Briggs, A. (2013), [Condensation Heat Transfer on Pin-Fin Tubes: Effect of Thermal Conductivity and Pin Height](#), Vol. 60, Pages 465-471, **Applied Thermal Engineering**.
Impact Factor: 3.356
8. Khattak, Z., Ahmed, J., Ali, H.M. and Shah, S. (2013), [Contemporary Dust Control Techniques in Cement Industry. Electrostatic Precipitator – A Case Study](#), Vol. 22, Issue 2, Page 202-209, **World Applied Sciences Journal**.
9. Ali, H.M., Khattak, Z., Ahmed, J., and Shah, S. (2014), [CDM \(Clean Development Mechanism\) Investigation of WHR \(Waste Heat Recovery\) Unit \(A Cement Plant Case Study\)](#), Vol. 17, Issue 6B, Page 2765-2772, **Information-An International Interdisciplinary Journal**.
Impact Factor: 0.358 (Thomson Reuters 2012)
10. Jajja, S.A., Ali, W. Ali, H.M. and Siddiqui, A.M. (2014), [Water Cooled Mini Channel Heat Sinks for Microprocessor Cooling: Effect of Fin Spacing](#), Vol. 64, Page 76-82, **Applied Thermal Engineering**.
Impact Factor: 3.356
11. Ali, H. M. and Briggs, A. (2014), [An investigation of Condensate Retention on Pin-Fin Tubes](#), Vol. 63, Issue 2, Page 503-510, **Applied Thermal Engineering**.
Impact Factor: 3.356

12. Bashir, M.A, Ali, H.M, Khalil, S, Ali, M. and Siddiqui, A.M. (2014), [Comparison of Performance Measurements of Photovoltaic Modules during Winter Months in Taxila, Pakistan](#), Vol. 2014, Article ID 898414, **International Journal of Photoenergy**.
Impact Factor: 1.277
13. Jajja, S.A., Ali, W. and Ali, H.M. (2014), [Multi Walled Carbon Nanotube Nanofluids for thermal management of high heat generating computer processors](#), Vol. 43 (7), Page 653-666, **Heat Transfer- Asian Research**.
14. *Ali, H.M and Abubaker, M. (2014), [Effect of Vapour Velocity on Condensate Retention on Horizontal Pin-Fin Tubes](#), Vol. 86, Page 1001-1009, **Energy Conversion and Management**.
Impact Factor: 5.589
15. Ali, H.M and Ali, A. (2014), [Measurements and Semi-Empirical Correlation for Condensate Retention on Horizontal Integral-Fin Tubes: Effect of Vapour Velocity](#), Vol. 71, Issue 1, Page 24-33, **Applied Thermal Engineering**.
Impact Factor: 3.356
16. Ali, H.M and Briggs, A. (2015), [A Semi-Empirical Model for Free-Convection Condensation on Horizontal Pin-Fin Tubes](#), Vol. 81, Page 157-166, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
17. Ali, H.M, Bhatti, A. I. and Ali, M., (2015), [An Experimental Investigation of Performance of a Double Pass Solar Air Heater with Thermal Storage Medium](#), Vol. 19, Issue 5, Page 1699-1708, **J. Thermal Science**.
Impact Factor: 1.093
18. Ali, M., Vukovic, V., Sheikh, M. A. and Ali, H. M. (2015), [Enhancement and Integration of Desiccant Evaporative Cooling System Model under Transient Operating Conditions](#), Vol. 75, Page 1093-1105, **Applied Thermal Engineering**.
Impact Factor: 3.356
19. Ali, H. M., Ali, H., Liaquat, H., Maqsood, H. T. B. and Nadir, M. A. (2015), [Experimental Investigation of Heat Transfer Augmentation for Car Radiator using Zno-Water Nanofluids](#), Vol. 84, Page 317-324, **Energy**.
Impact Factor: 4.52
20. Ali, M., Vukovic, V., Sheikh, M. A. and Ali, H. M. (2015), [Performance Investigation of Desiccant Evaporative Cooling System Configurations in Different Climatic Zones](#), Vol. 97, Page 323-339, **Energy Conversion and Management**.
Impact Factor: 5.589
21. Noor, F., Imran, S., Ali, Z., Hussain, A., Ali, H. M. and Mehmood, S. (2015), [Oxidation Behaviour of Nanoaluminum Particles in the Atmosphere of Air and Nitrogen](#), Vol. 43 (1), Page 47-56, **Journal of the Pakistan Institute of Chemical Engineers (JPICChE)**.
22. Ahsan, A., Ali, M. and Ali, H. M., Rasheed, T., Qadeer, M.A. and Khan, S.A., (2015), [Implementation Analysis of ISO 50001:2011 Energy Management System \(EnMS\) on a Small/Medium Enterprise](#), Vol. 20 (2), Page 72-80, **Technical Journal of UET Taxila**.
23. Ali, H. M. and Qasim, M. Z. (2015), [Free Convection Condensation of Steam on Horizontal Wire Wrapped Tubes: Effect of Wire Thermal Conductivity, Pitch and Diameter](#), Vol. 90, Page 207-214, **Applied Thermal Engineering**.

Impact Factor: 3.356

24. Ali, H.M and Abubaker, M. (2015), [Effect of Circumferential Pin Thickness on Condensate Retention as a Function of Vapor Velocity on Horizontal Pin-Fin Tubes](#), Vol. 91, Page 245-251, **Applied Thermal Engineering**.
Impact Factor: 3.356
25. Ali, H. M., Azhar, M. D., Saleem, M., Saeed, Q. S and Saieed, A. (2015), [Water Based Mgo Nanofluids for Thermal Management of Car Radiator](#), Vol. 19, Issue 6, Page 2039-2048, **J. Thermal Science**.
Impact Factor: 1.093
26. Ali, H. M. and Arshad, W. (2015), [Thermal Performance Investigation of Staggered and Inline Pin Fin Heat Sinks using Water Based Rutile and Anatase TiO₂ nanofluids](#), Vol. 106, Page 793-803, **Energy Conversion and Management**.
Impact Factor: 5.589
27. Bashir, M.A, Ali, H.M, Ali, M. and Siddiqui, A.M. (2015), [An Experimental Investigation of Performance of Photovoltaic Modules in Pakistan](#), Vol. 19, Issue Suppl. 2, Page 525-534, **J. Thermal Science**.
Impact Factor: 1.093
28. Ali, M, Ali, H.M, Moazzam, W and Saeed, M.B (2015), [Performance enhancement of PV cells through micro-channel cooling](#), Vol. 3(4), Page 699-710, **AIMS Energy**.
29. Ali, H.M, Mahmood, M, Bashir, M.A, Ali, M. and Siddiqui, A.M. (2016), [Outdoor Testing of Photovoltaic Modules during Summer in Taxila, Pakistan](#), Vol. 20, Issue 1, Page 165-173, **J. Thermal Science**.
Impact Factor: 1.093
30. Khalid, O., Ali, M., Sheikh, N. A., Ali, H.M. and Manzoor, M. S. (2016), [Experimental Analysis of An Improved Maisosenko Cycle Design under Low Velocity Conditions](#), Vol. 95, Page 288-295, **Applied Thermal Engineering**.
Impact Factor: 3.356
31. Ali, H. M., Qasim, M. Z. and Ali, M. (2016), [Free Convection Condensation Heat Transfer of Steam on Horizontal Square Wire Wrapped Tubes](#), Vol. 98, Page 350-358, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
32. Guo, H., Ali, H. M. and Hassanzadeh, A., (2016), [Simulation Study of Flat-Sheet Air Gap Membrane Distillation Modules coupled with an Evaporative Crystallizer for Zero Liquid Discharge Water Desalination](#), Vol. 108, Page 486-501, **Applied Thermal Engineering**.
Impact Factor: 3.356
33. Ali, H. M., Ali, H., Ali, M., Imran, S., Kamran, M. S. and Farukh, F., (2016), [Effect of Condensate Flow Rate on Retention Angle on Horizontal Low-Finned Tubes](#), **Online**, **J. Thermal Science**.
Impact Factor: 1.093
34. Ali, H. M. and Arshad, W. (2017), [Effect of Channel Angle of Pin-Fin Heat Sink on Heat Transfer Performance using Water based Graphene Nanoplatelets Nanofluids](#), Vol. 106, Page 465-472, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458

35. Arshad, A., **Ali, H. M.**, Ali, M. and Manzoor, S., (2017), [Thermal Performance of Phase Change Material \(PCM\) based Pin-Finned Heat sinks for Electronics Devices: Effect of Pin Thickness and PCM Volume Fraction](#), Vol. 112, Page 143-155, **Applied Thermal Engineering**.
Impact Factor: 3.356
36. **Ali, H. M.** (2017), [An Analytical Model for Prediction of Condensate Flooding on Horizontal Pin-fin Tubes](#), Vol. 106, Page 1120-1124, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
37. Farooqi, M.I, Nasir, M.A, **Ali, H. M.** and Ali, Y. (2017), [Experimental validation of transverse shear behavior of Nomex core for composite sandwich panels](#), Vol. 53 (2), Page 193-202, **Mechanics of Composite Materials**.
Impact Factor: 0.834
38. Arshad, W. and **Ali, H. M.** (2017), [Graphene nanoplatelets nanofluids thermal and hydrodynamic performance on integral fin heat sink](#), Vol. 107, Page 995-1001, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
39. **Ali, H. M.**, Generous, M. M., Ahmad, F. and Irfan, M., (2017), [Experimental Investigation of Nucleate Pool Boiling Heat Transfer Enhancement of TiO₂-Water based Nanofluids](#), Vol. 113, Page 1146-1151, **Applied Thermal Engineering**.
Impact Factor: 3.356
40. Ali, M., Sheikh, N. A., Khalid, O., Manzoor, S. and **Ali, H. M.**, (2016), [Parametric Investigation of a Counter-Flow Heat and Mass Exchanger based on Maisotsenko Cycle](#), **Online, J. Thermal Science**.
Impact Factor: 1.093
41. Ali, H., Kamran, M. S., **Ali, H. M.** Imran, S., Farukh, F., and Wang, H. S., (2017), [Marangoni Condensation of Steam-Ethanol Mixtures on a Horizontal Low-Finned Tube](#), Vol. 117, Page 366-375, **Applied Thermal Engineering**.
Impact Factor: 3.356
42. Khan, S. A., Ali, M., Shehryar, M., Tanzeel-Ur-Rashid, Khalil, M. S., **Ali, H. M.** and Gilani, S. I., (2017) [Performance Analysis of a Low Capacity Solar Tower Water Heating System in Climate of Pakistan](#), Vol. 143, Page 84-99, **Energy and Buildings**.
Impact Factor: 4.067
43. Arshad, W. and **Ali, H. M.** (2017), [Experimental Investigation of Heat Transfer and Pressure Drop in a Straight Minichannel Heat Sink with TiO₂ Nanofluid](#), Vol. 110, Page 248-256, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
44. **Ali, H. M.** and Arshad, A., (2017), [Experimental investigation of n-eicosane based circular pin-fin heat sinks for passive cooling of electronic devices](#), Vol. 112, Page 649-661, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
45. **Ali, H. M.**, Zafar, M.A, Bashir, M.A, Nasir, M. A., Ali, M. and Siddiqui, A.M. (2017), [Effect of Dust Deposition on the Performance of Photovoltaic Modules in Taxila, Pakistan](#), Vol. 21 (2), Page 915-923, **J. Thermal Science**.
Impact Factor: 1.093
46. Shah, N. U. H., Arshad, A., Abbas, A., **Ali, H. M.** and Ali, M., (2017), [Thermal Analysis of a Mini Solar Pond of Small Surface Area while extracting Heat from Lower Convective Layer](#), **Online, J. Thermal Science**.

Impact Factor: 1.093

47. Chaudhary, G. Q., Ali, M., Ashiq, M., **Ali, H. M.** and Amber, K. P. (2017), [Experimental and model-based performance investigation of a solid desiccant wheel dehumidifier](#), **Online**, **J. Thermal Science**.
Impact Factor: 1.093
48. Ashraf, M. J., **Ali, H. M.**, Usman, H. and Arshad, A., (2017), [Experimental passive electronics cooling: parametric investigation of pin-fin geometries and efficient phase change materials](#), Vol. 115 (B), Page 251-263, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
49. Iqbal, M. H., Ali, M., Sheikh, N. A., **Ali, H.M.** and Manzoor, M. S. (2017), [Performance Investigation of Air Velocity Effects on PV Modules under Controlled Conditions](#), Vol. 2017, Article ID 3829671 (10 Pages), **International Journal of Photoenergy**.
Impact Factor: 1.277
50. Rana, K., Manzoor, S., Sheikh, N. A., Ali, M. and **Ali, H. M.**, (2017), [Gust Response of a Rotating Circular Cylinder in the Vortex Suppression Regime](#), Vol. 115 (B), Page 763-776, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
51. Ali, A. M., Arshad, W., **Ali, H. M.**, Ali, M. and Nasir, M. A. (2017), [Evaluation of Nanofluids Performance for Simulated Microprocessor](#), Vol 21 (5), pages 2227-2236, **J. Thermal Science**.
Impact Factor: 1.093
52. Ali, H., Hayat, N., Farukh, F., Imran, S. and **Ali, H. M.** (2017), [Key design features of multi glazed windows: A Review](#), Vol. 21, Issue 6B, Page 2673-2687, **J. Thermal Science**.
Impact Factor: 1.093
53. Arshad, A., **Ali, H. M.**, Khushnood, S. and Jabbal, M., (2018), [Experimental investigation of PCM based round pin-fin heat sinks for thermal management of electronics: Effect of pin-fin diameter](#), Vol. 117, Page 861-872, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
54. **Ali, H. M.**, Arshad, A., Jabbal, M. and Verdin, P.G., (2018), [Thermal management of electronics devices with PCMs filled pin-fin heat sinks: A comparison](#), Vol. 117C, Page 1199-1204, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
55. Abubaker, M., **Ali, H. M.** Noor, F., Imran, M. and Ambreen, T., (2017), [Condensate Retention of Water-Ethanol Mixture on Horizontal Enhanced Condensing Tubes](#), **Online**, **J. Thermal Science**.
Impact Factor: 1.093
56. Bashir, M. A., **Ali, H. M.**, Amber, K. P., Bashir, M. W., Ali, H. and Imran, S., (2017), [Performance Investigation of Photovoltaic Modules by Back Surface Water Cooling](#), Vol. 21 (2), Page 290, **J. Thermal Science**.
Impact Factor: 1.093

57. Arshad, A., **Ali, H. M.**, Yan, W-M., Hussein, A. K., and Ahmadlouydarab, M., (2018), [An experimental study of enhanced heat sinks for thermal management using n-eicosane as phase change material](#), Vol. 132, Page 52-66, **Applied Thermal Engineering**.
Impact Factor: 3.356
58. Akram, M., Moazzam, M. U., **Ali, H. M.**, Ajaz, A. and Saleem, A., Kilic, M., Mobeen, A., (2017), [Improved waste heat recovery through surface of kiln using phase change material](#), **Online**, **J. Thermal Science**.
Impact Factor: 1.093
59. Amber, K. P., **Ali, H. M.**, Aslam, M. W., Kousar, A., Ikram, F., Ahmad, Z. and Hussain, S. K. (2018), [Heating and Cooling Degree-Days Maps for Pakistan](#), 2018, 11(1), 94; doi: 10.3390/en11010094, **Energies**.
Impact Factor: 2.262
60. Chatha, M. B., **Ali, H. M.**, Ali, M. and Bashir, M. A. (2017), Experimental investigation of monocrystalline and polycrystalline solar modules at different inclination angles, **Accepted**, **J. of Thermal Engineering**.
Impact Factor: 0.000
61. Mahbubul, I. M., Khan, M. M. A., Ibrahim, N. I., **Ali, H. M.**, Saidur, R. and Al-Sulaiman, F. A., (2018), [Carbon nanotube nanofluid in enhancing the efficiency of evacuated tube solar collector](#), Vol. 121, Page 36-44, **Renewable Energy**.
Impact Factor: 4.357
62. Ali, M., Vukovic, V., **Ali, H. M.** and Sheikh, M. A. (2018), [Performance Analysis of Solar Assisted Desiccant Cooling System Cycles in World Climate Zones](#), Vol. 140(4), 041009, **Journal of Solar Energy Engineering: Including Wind Energy and Building Energy Conservation**.
Impact Factor: 1.571
63. Kilic, M. and **Ali, H. M.** (2018), [Numerical investigation of combined effect of nanofluids and multiple impinging jets on heat transfer](#), **Online**, **J. Thermal Science**.
Impact Factor: 1.093
64. **Ali, H. M.**, Ashraf, M. J., Giovannelli, A., Hassan, F., Hamid, H. M., Irshad, T. B., Irfan, M. and Arshad, A., (2018), [Thermal management of electronics: an experimental optimization of triangular, rectangular and circular pin-fins heat sinks for various PCMs](#), Vol.123, Page 272-284, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458
65. Khan, M. M. A., Ibrahim, N. I., Mahbubul, I. M., **Ali, H. M.**, Saidur, R. and Al-Sulaiman, F. A., (2018), [Evaluation of Solar Collectors Designs with Integrated Latent Heat Thermal Energy Storage: A Review](#), Vol. 166, Page 334-350, **Solar Energy**.
Impact Factor: 4.018
66. **Ali, H.M.**, Babar, H., Shah, T.R., Sajid, M.U., Qasim, M.A. and Javed, S., (2018), [Preparation Techniques of TiO₂Nanofluids and Challenges: A Review](#), Vol. 8, 587, **Applied Sciences**.
Impact Factor: 1.679
67. Saieed, A., Pao, W. and **Ali, H.M.**, (2018), [Prediction of phase separation in a T-Junction](#), Vol. 97, Page 160-179, **Experimental Thermal and Fluid Science**.
Impact Factor: 2.830

68. Sajid, M. U. and Ali, H. M. (2018), [Thermal conductivity of hybrid nanofluids: A critical review](#), Vol.126, Page 211-234, **International J. of Heat and Mass Transfer**.
Impact Factor: 3.458

Published full-length conference papers

69. Ali, H. M. and Briggs, A. (2009), Condensation of ethylene glycol on Pin-Fin Tubes: Effect of Circumferential Pin Geometry, Paper No. 65, 11th UK National Heat Transfer Conference, London, UK.
70. Ali, H. M. and Briggs, A. (2010), Condensation of Ethylene Glycol on Pin-Fin Tubes: Effect of Circumferential Pin Spacing and Thickness, proceedings of ASME-ATI-UIT Conference on Thermal and Environmental Issues in Energy Systems, Sorrento, Italy, pp. 1475-1480.
71. Ali, H. M., A Hassan and A Briggs (2010), Enhanced Condensation of Ethylene Glycol on Three-Dimensional Pin-Fin Tubes, 14th International Heat Transfer Conference, August 8-13 2010, Washington, DC, USA, Paper No. IHTC14-22110, pp. 11-17.
DOI: 10.1115/IHTC14-22110
72. Ali, H. M. and Briggs, A., (2011), Effect of Tube Material on Condensation Heat Transfer on Pin-Fin Tubes, Paper No. 96, Proc. 12th U.K. Nat. Conf. on Heat Transfer, Leeds.
73. Briggs, A. and Ali, H.M., (2012), Surface Tension Enhanced Heat Transfer During Condensation on Finned Surfaces, Paper No. FG-59, 7th International Symposium on Multiphase Flow, Heat Mass Transfer and Energy Conversion, Xi'an, China.
74. Ali, H. M. and Briggs, A. (2013), An investigation of Condensate Retention on Pin-Fin Tubes, Proc. of the World Congress on Engineering 2013 (WCE 2013), Vol. 3, pp 1941-1946, July 3-5 2013, Imperial College, London, UK.
75. Bashir, M.A, Ali, H.M, Ali, M. and Siddiqui, A.M. (2013), An Experimental Investigation of Performance of Photovoltaic Modules in Pakistan, Proc. of the International Symposium on Innovative Materials for Processes in Energy Systems 2013 (IMPRES2013), Paper No. IMPRES2013-070, Sep. 4-6, Fukuoka, Japan.
76. Ali, M, Ali, H.M, Moazzam, W and Saeed, M.B. (2015), Performance enhancement of PV cells through micro-channel cooling, WEENTECH Proceedings in Energy, Global Conference on Energy and Sustainable Development (GCESD), 24- 26, February 2015, Technology Park, Coventry University Coventry, United Kingdom, Vol. 1, pp. 211-217.
77. Ali, H. M., Arshad, A., Khan, T. A. and Nabeel, M. (2016), An Experimental Study of Square Profile Pin-Fin based Heat Sinks subjected to Latent Heat Thermal Energy Storage (LHTES) module, International Conference on Energy of Environmental and Economic Sustainability (ICEEES2016), Paper No. F.01, Oct. 20-23, Lahore, Pakistan.
78. Ali, H. M., Bilal, M., Hashir, M. and Arshad, A. (2016), Experimental investigations on thermal performance of electronic devices using round pin heat sink incorporating phase change material, International Conference on Energy of Environmental and Economic Sustainability (ICEEES2016), Paper No. F.03, Oct. 20-23, Lahore, Pakistan.
79. Khattak, Z., Ali, H. M., et al. (2016), Plate Fin and Pin Fin Heat Sink Various Designs Aspects, International Conference on Energy of Environmental and Economic Sustainability (ICEEES2016), Paper No. F.05, Oct. 20-23, Lahore, Pakistan.

80. Arif, S., Azher, D., Ali, M. and **Ali, H. M.** (2016), Performance Analysis Of Different Configurations Of Heating And Cooling For A Multizone Building, International Conference on Energy of Environmental and Economic Sustainability (ICEEES2016), Paper No. F.10, Oct. 20-23, Lahore, Pakistan.
81. Abubaker, M., **Ali, H. M.** et al. (2016), Investigation of Retention Angle on Integral-Fin and Pin-Fin Tubes Using Water-Ethanol Mixture, International Conference on Energy of Environmental and Economic Sustainability (ICEEES2016), Paper No. D.01, Oct. 20-23, Lahore, Pakistan.
82. Khan, A., **Ali, H. M.**, Khushnood, S., Khattak, Z. (2017), Experimental study of horizontal ground source heat exchanger system, Proceedings book of third international conference on advances in mechanical engineering: ICAME 2017, 19-21 Dec2017, Turkey, pp. 428-442.
83. Khattak, Z., Afzal, M. N., **Ali, H. M.**, Khan, A. (2017), Prototyping of Wind-Turbine using Matlab/Simulink approach, Proceedings book of third international conference on advances in mechanical engineering: ICAME 2017, 19-21 Dec2017, Turkey, pp. 565-572.
84. Khattak, Z., Khan, M. M. A., **Ali, H. M.**, Hadi, F. (2017), Energy Regeneration via vehicle braking system, "Inertial- approach", Proceedings book of third international conference on advances in mechanical engineering: ICAME 2017, 19-21 Dec2017, Turkey, pp. 573-580.
85. Khan, A., **Ali, H. M.**, Khushnood, S., Shah, S. S., Ali, M. N., (2018), Utilization of Exhaust Heat of Internal Combustion Engines for Cooling Purpose: A Review, Proceedings abstract book of 1st International Graduate Conference on Emerging Trends in Multidisciplinary Approaches (IGCETMA-2018), 16-18 Feb 2018, Johor Bahru, Malaysia, pp. 63.
86. Akram, M. A., Nawaz, M. N., Mehmood, A., **Ali, H. M.**, Anum, A., Akmal, S, Nizam, L. A., Khushnood, (2018), Experimental Analysis of Tooth Breakage Effect on the Vibration Characteristics of Spur Gears, Proceedings abstract book of 1st International Graduate Conference on Emerging Trends in Multidisciplinary Approaches (IGCETMA-2018), 16-18 Feb 2018, Johor Bahru, Malaysia, pp. 64
87. Khattak, Z., Shah, S., **Ali, H. M.**, Ahmad, J. (2018), Study and Analysis of Magneto Hydro Dynamic Power Generation Technology and its Temperature Sustainability, Proceedings abstract book of 1st International Graduate Conference on Emerging Trends in Multidisciplinary Approaches (IGCETMA-2018), 16-18 Feb 2018, Johor Bahru, Malaysia, pp. 65
88. Tariq, S. L., **Ali, H. M.** and Rasheed, T. U. (2018), Solar energy-the energy of future transport and a case study of solar powered railway in Pakistan, Proceedings book of International Conference on Progresses in Automotive Technologies 2018 (ICPAT 2018), MAY 10-12, 2018, Elite World Prestige Hotel, Istanbul, Turkey, pp. 107-113

3. PROFESSIONAL ACTIVITIES

Member Journal Editorial/Advisory Boards

1. [Member of International Advisory Board, Journal Thermal Science](#)
2. [Member of Editorial Board, Journal of Mechanical Engineering Research](#) (01 July 2014)
3. [Regional Editor, Journal of Thermal Engineering](#) (07 Feb 2015)
4. [Member of Editorial Board, Strojniski vestnik - Journal of Mechanical Engineering](#) (28 Dec 2015)
5. [Member of Editorial Board, The Open Mechanical Engineering Journal](#) (August 2017)

Session Chair at International Conferences

1. Session chaired at 1st International Graduate Conference on Emerging Trends in Multidisciplinary Approaches (IGCETMA-2018), 16-18 Feb 2018, held at University Technology Malaysia (UTM), Johor Bahru, Malaysia.

Lectures Delivered

1. CPD-Lecture delivered on “Condensation Heat Transfer on Enhanced Tubes” held on 15th May 2018 at Wah Engineering College, Wah Cantt, Pakistan.

4. AWARDS

1. **Faculty Development Programme (FDP) Scholarship** awarded by the **Higher Education Commission (HEC)**, Government of Pakistan, for conducting research in the UK. (2007-2011).
2. **Outstanding Reviewer of Applied Thermal Engineering** (2014)
3. **Postdoctoral Fellowship** at University of California, Merced, USA. (2015-2016).
4. **Best Research Paper Award** in 5th HEC Outstanding Research Awards (2013/2014). See above journal publication with *.
5. **Research Productivity Award (RPA)** by Pakistan Council of Science and Technology (PCST) as Category-C scientist (2016-17).
6. **Outstanding Reviewer of Applied Thermal Engineering** (2016)
7. **Outstanding Reviewer of International Journal of Thermal Sciences** (2017)
8. **Outstanding Reviewer of Chemical Engineering and Processing: Process Intensification** (2017)
9. **Outstanding Reviewer of Applied Thermal Engineering** (2017)
10. **Outstanding Reviewer of Solar Energy** (2017)