

Curriculum Vitae



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Personal

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Education

- Ph.D. in Mechanical Power Engineering, University of Technology, Bratislava, Slovak Republic, 1997.
- M.Sc. In Mechanical Power Engineering, Mechanical Engineering Department, Mansoura University, Mansoura, Egypt, February 1990.
- B.Sc. in Mechanical Power Engineering, Mechanical Engineering Department, Mansoura University, Mansoura, Egypt, May 1984.

Academic Records

- Vice dean for Postgraduate Studies and Research, Faculty of Engineering, Tanta University, Tanta, from Jun 2016 till now.
- Head of Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Tanta, from September June 2013 to 1/6/2016
- Vice dean for Community service and environment development, Faculty of Engineering, Tanta University, Tanta, from 11/Jun 2010 till 11 Jun2013.
- Head of Mechanical Power Engineering Department, Faculty of Engineering, Tanta University, Tanta, from September 2009 to June 2010 and From June 2013 tell now.
- Head of the hydraulic and irrigation department from 13 October 2012 to 2013
- Professor Dr.; Department of Mechanical Engineering, Faculty of Engineering, Tanta University, from March 2008.

- Assistant Professor; Department of Mechanical Engineering, Faculty of Engineering, Tanta University, from March 2003.
- Lecturer of Mechanical Engineering, Faculty of Engineering, Tanta University, from 1998 till 2003.
- Assistant Lecturer; Department of Mechanical Engineering, Faculty of Engineering, Tanta University, from 1991 till 1996.
- Demonstrator (teaching and research assistant); Higher Technological Institute Tenth of Ramadan, Tenth of Ramadan, from 1988 till 1990.

Other Activities, Community service and Environmental Development

- Director of the Center for Science and Environmental Technology at the University of Tanta 2015
- Member of the Egyptian Association for Water Technology
- Member of the Association of industry and the environment.
- Member of the Standing Committee for Academic upgrade professors and assistant professors edition of 2008-2011
- Member of the Standing Committee for Academic upgrade professors and assistant professors edition of 2012-2015
- Vice Chairman of Research and Consultation Center Management Engineering, Faculty of Engineering , Tanta University from 2011 to 2013.
- Member of the Council of Environmental Science and Technology at the University of Tanta 2011-2015.
- Vice Chairman of the Board and Management Unit production workshops , Faculty of Engineering, Tanta University from 2011 to 2013
- Vice Chairman of the Board of a special nature management unit (five units), Faculty of Engineering, Tanta University from 2011 to 2013 .
- Participation in setting a five-year research plan Tanta University .
- Participate in the Commission on the Status of the national plan for the scientific research Arab Republic of Egypt

Research Activities

- Renewable Energy Systems.
- Desiccant Dehumidification Systems.
- Refrigeration and Air Conditioning.
- Water Desalination.
- Environmental service projects.
- Air conditioning

Publications

a) Research Articles

1. Abdel-Salam. M. S., Rayan M. A. Gad. H. E. Kabeel A. E.: “Passive solar ventilation using an air heater”, International meeting on heat transfer, Monastir, 22-26, 1991, Tunisia. pp. 705-716.
2. Kabeel A. E., Mearik K.: “The active solar air heaters longitudinal fins and triangular absorbers”, International Conference of renewable energy, Brno, Czech Republic, 16-17.5 1995, pp.93-112.
3. Kabeel A. E., Mearik K.:” Solar air heater used for cooling the building”, International Conference of indoor climate of buildings, SSTP, Slovak Society of Environmental Technology Higher Tatra, 28-30.11 1995, pp.377-384.
4. Kabeel A. E., Mearik K.: ” Solar air heater for drying agricultural products 7 celostana Konferencie, Nizkoteplonta vykurovanie”, Strovo, 1995, st. 27-33.
5. Kabeel A. E., Mearik K.: ”Computational modeling and experimental analysis for triangular and longitudinal fin-absorbers of solar air collectors”, EuroSun 96, Freiburg, Germany, 16-19.9 1996.
6. Mearik K., Kabeel A. E.,”Slnečne vzduchové kolektory na účely susenia poľnohospodárskych produktov “, TZB-Haus Technik, 1996, st.30-32.
7. Kabeel A. E., Mearik K.: ”Shape optimization for absorber plates of solar air collectors”, An International Journal of Renewable Energy, Vol. 13, No. 1, pp. 121-131, 1998.
8. Rayan M. A., Kabeel A. E., Risha A. A.: “Optimization of solar still destilator system”, Third International water technology conference IWTC, Alexandria, Egypt, 20-23.3, 1998.
9. Kabeel A. E.: “ Forced heat transfer coefficient and pressure drop in solar air collectors”, 6th International Conference of energy and environment, Cairo Egypt, 1998, pp.427-431.
10. Taher S. F., Kabeel A. E., Bastawisi A. E., Abdellah G: “Effect of plasticizers on the thermal properties of concrete”, International Conference of indoor climate of buildings, SSTP, Slovak Society of Environmental Technology Higher Tatra, 7-10.12 1998, pp.275-281.
11. Rayan M. A., Kabeel A. E.: ” An investigation on solar still distillation system”, IDA World Congress on Desalination and Water Reuse, San Diego, California, September, 1999.
12. Kabeel A. E.: Application of honeycomb bed as a desiccant carrier for absorption of water from air, International Journal of Renewable Energy Engineering, Vol. 2, No. 3, December 2000, pp 233-243.
13. Kabeel A. E.: The influence of air flow rate and temperature on the moisture absorption and regeneration process, Mansoura University Journal (MEJ), Faculty of Engineering, Vol. 25, No. 4, December 2000
14. Hamed A. M., Kabeel A. E.:” Performance of horizontal regenerator augmented by vertical draught duct”, International Journal of Renewable Energy Engineering, Vol. 1, No. 3, December 1999, pp104-109
15. Kabeel A. E., Rayan M. A.:” Theoretical and experimental investigation on the influence of still glass cover cooling on water productivity”, Mansoura University Journal (MEJ), Faculty of Engineering, Vol. 25, No. 2, June 2000
16. Kabeel A. E., Hamed A. M.:” Performance enhancement of solar still using planar reflector”, Mansoura University Journal (MEJ), Faculty of Engineering, Vol. 24, No. 1, march 1999, pp.42-51.
17. Kabeel A. E., "Experimental investigation on the performance of solar water collector in green house", 12th International Mechanical Power Engineering Conference, October 30, November 1, 2001.

18. Kabeel A. E., "Transient model of the performance of solar water collector under green house", Mansoura University Journal (MEJ), Faculty of Engineering, Vol. 27, No. 3, June 2002, pp. M 14-32
19. H. A. Abdalla, E. a. El shenawy, A. E. Kabeel, Z. M. Omara, "Swirl effect on axisymmetric annular sudden –expansion flows", International Conference on compressor and coolants 23-26 September 2001, Slovak Republic.
20. H. A. Abdalla, E. a. El shenawy, A. E. Kabeel, Z. M. Omara, "Experimental performance analysis of annular diffusers with and without swirl", The international congress on fluid dynamics, Cairo, Egypt, December 19-21, 2001.
21. A. M. ElZahaby, M. S. El-Kady, - A. E. Kabeel, S. A. El-Agouz, "Mixed convection heat transfer from protruding heat sources mounted on a conductive plate in laminar flow (part 1 numerical model)", 12th International Mechanical Power Engineering Conference, October 30, November 1, 2001, pp H73-84
22. A. M. ElZahaby, M. S. El-Kady, Kabeel A. E, S. A. El-Agouz, "Mixed convection heat transfer from protruding heat sources mounted on a conductive plate in laminar flow (part 2 effect of geometric parameters)", 12th International Mechanical Power Engineering Conference, October 30, November 1, 2001, pp H85-99.
23. Kabeel A. E, 'Mass/ Heat transfer from a vertical plate with pressure gradient using naphthalene sublimation", Scientific Bulletin Ain Shams University, Faculty of Engineering, Vol. 37, No. 2, June 30, 2002, pp. 639-656.
24. M. M. Bekheit , Kabeel A. E, E. A. Elnegiry , A. M. Hamed, "Theoretical and experimental investigation of a roof-type solar still augmented with corrugated wick cloth layer", 12th International Mechanical Power Engineering Conference, October 30, November 1, 2001, pp. R73-85.
25. M. S. Elkady, E. A. Elnegery , Kabeel A. E , "Mixed convection heat transfer in vertical channel with single protruding heat source", 12th International Mechanical Power Engineering Conference, October 30, November 1, 2001, pp H191-208.
26. A. M. ElZahaby, M. S. El-Kady, A. E. Kabeel, S. A. El-Agouz, "Cooling of heat sources using partially filling porous media", Sixteenth International Symposium on air Breathing Engines , August 31-September5, 2003, Cleveland, Ohio, USA
27. A. M. ElZahaby, A. H. Bawady, A. E. Kabeel, S. A. Wilson, A. s. Eldaba, "Evaluation emissions characteristics from vehicles at road test with different operation condition", International Conference on Environment Engineering, Ain Shams university, April 9-11 2005.
28. A. M. ElZahaby, A. H. Bawady, A. E. Kabeel, S. A. Wilson, A. s. Eldaba, "Emission characteristics from vehicles at idling condition", International Conference on Environment Engineering, Ain Shams university , April 9-11 2005.
29. Ahmed M. Hamed, A. Khalil, -Kabeel A. E, M.M. Bassuoni and A.M. Elzahaby, "Performance analysis of dehumidification rotating wheel using liquid desiccant", International Journal of Renewable Energy, Volume 30, Issue 11, September 2005, Pages 1689-1712
30. Kabeel A. E, "Augmentation of the performance of solar regenerator of open absorption cooling system", International Journal of Renewable Energy, Volume 30, Issue 3, March 2005, Pages 327-338
31. Kabeel A. E, "Application of sandy bed solar collector system for water extraction from air", International Journal of Energy Research, 2006, 30,Pages 381-394

32. A. M. ElZahaby, A. M. Hamed, -Kabeel A. E, M. K. Elseady, "Theoretical and experimental investigation on the absorption refrigeration system", Mansoura Engineering Journal, Vol 31, No. 2, June 2006.
33. Kabeel A. E, "Water production from air using multi-shelves solar glass pyramid system", International Journal of Renewable Energy, Volume 32, Issue 1, January 2007, Pages 157-172
34. Kabeel A. E, "Solar powered air conditioning system using rotary honeycomb desiccant wheel", International Journal of Renewable Energy, Volume 32, Issue 11, September, 2007, Pages 1842-1857.
35. Kabeel A. E, "Adsorption desorption operations of multilayer desiccant packed bed for dehumidification applications", Renewable energy, January 2009, pp. 255-265
36. A. M. ElZahaby, E. A. El-shenway, Kabeel A. E., A. I Bakry, Z. M. Omara, Noise attenuation and associated thrust increase by using the ejectors, 6th International engineering conference, Faculty of engineering, Mansoura/Sharm El-Sheikh, 20-23 March 2008-05-18
37. A. M. ElZahaby, E. A. El-shenway, Kabeel A. E., A. I Bakry, Z. M. Omara, The cooling and infrared signature suppression by using ejectors, 6th International engineering conference, Faculty of engineering, Mansoura/Sharm El-Sheikh, 20-23 March 2008-05-18
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42. , Kabeel A. E., Khalil A, Liquids cooling of electronic heat sources, Mansoura Engineering Journal, Mansoura Engineering Journal, march 2009
43. El-Zahaby A. M. , Kabeel A. E., , Bakry A. I. and Omiana H, Enhancement of Solar Desalination Still Productivity using Flash Evaporation, Thirteenth International Water Technology Conference, March 2009 Egypt.
44. Kabeel A. E.,, Performance of solar still with a concave wick evaporation surface, Energy, Vol.34, pp.1504-1509, 2009
45. Kabeel A. E.,, Hamed A., El-Agouz M. S. A, Cost Analysis of Different Solar Configurations, Energy, Volume 35, Issue 7, July 2010, Pages 2901-2908
46. Kabeel A. E. , Mofreh. H. Hamed and Z.M. Omara, Augmentation of the basin type solar still using photovoltaic powered turbulence system, 7th International Engineering Conference, Faculty of Engineering, Mansoura University, Egypt March 2010
47. Ahmed M Hamed, Kabeel A. E.,, Seidan E. Shafei, Ayman A. Aly, A technical Review on The Extraction of Water from Atmospheric Air in Aride Zone, JP Journal of Heat and Mass Transfer 4 (3), pp. 213-228 , 2010

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49. Kabeel A. E, G.I. Sultan , Z.A. Zyada and M.I. El-Hadary, Performance study of spot cooling of tractor cabinet , Energy, Volume 35, Issue 4, April 2010, Pages 1679-1687
50. S. A. El-agouz, M.M. Bekheit, A.E. Kabeel, Dielectric liquid cooling natural convection of electronic components mounted on rectangular enclosures, Mansoura Engineering Journal , March 2010
51. Kabeel A. E , Dehumidification and humidification process of desiccant solution by air injection, Energy, Volume 35, Issue 12, December 2010, Pages 5192-5201
52. A.M. El-Zahaby, A.E. Kabeel, A.I. Bakry, S.A. El-Agouz, O.M. Hawam, Enhancement of solar still performance using a reciprocating spray feeding system—An experimental approach, Desalination, Volume 267, Issues 2-3, 15 February 2011, Pages 209-216
53. A.E. Kabeel, S.A. El-Agouz, Review of researches and developments on solar stills, Desalination, Volume 276, Issues 1-3, 2 August 2011
54. Z.M. Omara, Mofreh H. Hamed, A.E. Kabeel, Performance of finned and corrugated absorbers solar stills under Egyptian conditions , Desalination, Volume 277, Issues 1-3, 15 August 2011, Pages 281-287
55. El-Zahaby, A.M., Kabeel, A.E., Bakry, A.I., Khaira, A.M., Effect of disk offset angle on the hydrodynamic performance of rotating disk skimmers during oil spill recovery, Environment Engineering Science 28 (2), pp. 113-119, 2011
56. A.E. Kabeel, A.Khalil1, Z.M. Omara and M.M. Younes, Improving the Performance of Stepped Solar Still, Fifteenth International Water Technology Conference 2011
57. A. E. Kabeel, Augmentation of Dehumidification and Humidification Processes of Desiccant Air Conditioning system, Eighth Saudi Engineering Conference, December 2011
58. A. E. Kabeel, Water Recovery from Atmospheric Air in arid regions Using Solar Energy, , The 26th Arab Engineering Conference on Water Resources in Arab Countries, KSA, January 2012
59. A.E. Kabeel, A.Khalil1, Z.M. Omara and M.M. Younes Theoretical and Experimental Study of Modified Stepped Solar Still, Desalination, 289, 15 March 2012, Pages 12–20
60. A. E. Kabeel and Emad M. S. El-Said, “A hybrid solar desalination system of air humidification dehumidification and water flashing evaporation , Sixteenth International Water Technology Conference 2012, Istanbul, Turkey, May 7-10, 2012
61. A.E. Kabeel, Mofreh. H. Hamed, Z.M. Omara, Augmentation of the basin type solar still using photovoltaic powered turbulence system, Desalination and water treatment Journal 48(2012)182-190
62. A.M El-Zahaby,., A. E Kabeel,., M. M. Bassyini, M A. Ahmed, Effect of inter cooling on the performance of solar energy assisted hybrid air conditioning system with one rotor six stage rotary desiccant cooling system, Fourth international renewable energy congress, Sousse, Tunisia, 2012
63. A.M El-Zahaby,., A. E Kabeel,., M. M. Bassyini, M A. Ahmed, Numerical comparison of the performance of solar energy assisted hybrid air conditioning system with one rotor, two, four and six stage rotary desiccant cooling system, Fourth international renewable energy congress, Sousse, Tunisia 2012
64. A. E. Kabeel and Emad M. S. El-Said, Technological Aspects of Advancement in Low Capacity Solar Thermal Desalination Units, International Journal of Sustainable Energy, pages 1-18, 2013

65. A.E. Kabeel, T. Abou El Maaty, Y. El Samadony, The effect of using nano-particles on corrugated plate heat exchanger performance, *Applied Thermal Engineering*, Volume 52, Issue 1, pp 221-229, 2013
66. Y. A. F. El-Samadony, A. M. Hamed, A. E. Kabeel, Dynamic Performance Evaluation of Single Bed Desiccant Dehumidification System, *International Journal of Renewable and Sustainable Energy*. Vol. 2, No. 1, pp. 18-25, 2013
67. Z. M. Omara, A. E. Kabeel, M. M. Younes, Enhancing the stepped solar still performance using internal reflectors, *Desalination journal* , Volume 314, 2, Pages 67-72, April 2013
68. A. E. Kabeel, E. A. Elkenany, O. M. Hawam, Experimental study of the performance of solar still using a reciprocating intermittent spray feeding system, *Journal of Renewable and Sustainable Energy* 5, 2013
69. A. E. Kabeel and Emad M. S. El-Said, Sustainable and Renewable Alternative Drinking Water Source for Gulf Countries Needs, The 16th Arab Gulf Engineering conference, KSA, February 2013
70. A. E. Kabeel and M. M. Bassyini, Theoretical performance study of a liquid desiccant regenerator supported with scavenging air heat exchanger, *Journal of Renewable Sustainable Energy*, Volume 5,2 pp 134-148, 2013
71. Yasser A. F. El-Samadony, Ahmed M. Hamed, Abd Elnaby Kabeel, Performance Evaluation of Single Bed Desiccant Desorption Process, *Natural Resources journal* 4, 69-75, 2013,
72. A.E. Kabeel, Talal Abou Elmaaty, Emad M.S. El-Said, Economic analysis of a small-scale hybrid air HDH–SSF (humidification and dehumidification–water flashing evaporation) desalination plant, *Energy*, Volume 53, 1 May 2013, Pages 306-311.
73. A. M Hamed, A.E. Kabeel, A Khalil, Sh. M. El-Htmy, Experimental study on the adsorption/desorption process of an inclined circular bed, *El mansoura Engineering Journal*, Vol. 38, No 2, June 2013
74. A.E. Kabeel and Emad M.S, Development strategies and solar thermal energy utilization for water desalination systems in remote regions: a review, *Desalination and water treatment* 06/2013 1(1):1-18.
75. A.E. Kabeel and Emad M.S , A hybrid solar desalination system of air humidification–dehumidification and water flashing evaporation Part I. A numerical investigation, *Desalination*, Volume 320, 1 July 2013, Pages 56-72
76. A. E. Kabeel, Mofreh H. Hamed, Z. M. Omara, S. W. Sharshir, Water Desalination Using a Humidification-Dehumidification Technique—A Detailed Review, *Natural Resource Journal* Vol.4 No.3, July 2013, Pages 286-305
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78. A. E. Kabeel, Ali M Almagar, Enhancement of the processes of desiccant air conditioning system, *International Journal of Research in Engineering and Technology*, Volume: 02 Issue: 08, Aug-2013 1–10
79. A. E. Kabeel, Ali M Almagar, Seawater greenhouse in desalination and economics, seventeenth international water technology conference, Istanbul Turkey 5-7 Nov 2013
80. A.M El-Zahaby,., A. E Kabeel,., M. M. Bassyini, M A. Ahmed, A mathematical model for predicting the performance of the solar energy assisted hybrid air conditioning system, with one-rotor

- six-stage rotary desiccant cooling system. *Energy Conversion and Management*, 77, pp. 129-142(2014).
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 91. A.E. Kabeel, Emad M.S. El-Said A hybrid solar desalination system of air humidification dehumidification and water flashing evaporation Part II. Experimental investigation, *Desalination* 341 (2 014) 50–60
 92. Asem E. Gad , M. G. Ghasoub M and A. E. Kabeel, Taba Egypt RO Desalination Plant: A case Study, *Mansoura Environment Journal*, June 2014
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- 100.A.E. Kabeel, Z.M. Omara, F.A. Essa, Enhancement of modified solar still integrated with external condenser using nanofluids: An experimental approach, *Energy Conversion and Management*, Volume 78, February 2014, Pages 493-498
- 101.Mofreh H. Hamed, A.E. Kabeel, Z. M. Omara, S. W. Sharshir Mathematical and experimental investigation of a solar humidification-dehumidification desalination unit, *Desalination*, Volume 358, 16 February 2015, Pages 9-17
- 102.A.E.Kabeel and Emad M. S. El-Said, Greenhouse with Humidification-Dehumidification system as an Alternative Source of Fresh water for Irrigation and Drinking Needs in Arid Areas: A Review, *Engineering Science and Technology, an International Journal*, Volume 18, Issue 2, June 2015, Pages 294–301
- 103.F.A. Essa, A.E. Kabeel , and Z.M. Omara. Effect of using nanofluids and providing vacuum on the yield of corrugated wick solar still , *International water technology conference, Sharm El Sheikh– Egypt* 12 – 14 March 2015.
- 104.Emad M. S. El-Said, A. E. Kabeel Experimental and theoretical study of a nanofluid solar collector assisted - hybrid desalination system for small communities needs, *International water technology conference, Sharm El Sheikh– Egypt* 12 – 14 March 2015.
- 105.A. E. Kabeel , S.A.Dafea and Emad M. S. El-Said, A Review of Magnetic Field Effects on Flow and Heat Transfer in Liquids: Present Status and Future Potential for Studies and Applications, *Renewable and Sustainable Energy Reviews*, Volume 45, May 2015, Pages 830-837 A.E. Kabeel.
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- 107.A..E. Kabeel and A.S. Abdullah, Experimental study of the new bayonet heat exchanger, *Energy Engineering Journal* , Online Publication Date: 12 May 2015.
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115. Z.M. Omara, A.E. Kabeel, F.A. Essa, Effect of using nanofluids and providing vacuum on the yield of corrugated wick solar still, *Energy Conversion and Management*, Volume 103, October 2015, Pages 965-972
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140. A.E. Kabeel, M.M. Bassuoni and M.A. Rozza , Experimental Study for New Design Solar Still 19th International Water Technology Conference, Sharm Elsheikh Egypt 21 – 23 April 2016

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155.Z.M. Omara, A.E. Kabeel, A.S. Abdullah, A review of solar still performance with reflectors, Renewable and Sustainable Energy Reviews, Volume 68, Part 1, February 2017, Pages 638-649

Under publication

156.A.E. Kabeel, Z.M. Omara, and F.A. Essa Numerical investigation of modified solar still using nano fluids and external condenser under review in Renewable energy journal.

157.Z.M. Omara, A.E. Kabeel, and F.A. Essa, The augmentation of a solar still distillate yield by using absorber plate coated with black nanofluids under review in Desalination journal.

158.A.E. Kabeel, Mohamed abdelgaied, Performance analysis of a solar dryer unit integrated with a rotary desiccant wheel, under review in the renewable energy journal

159.S.W. Sharshia, Guilong Peng , Lirong WU , Nuo Yang , F.A. Essa , A.E. Kabeel, Investigating the performance of solar still with film cooling when using nanofluid and phase change material under review in Applied energy journal

Awards and Honors

- State Award for Excellence in Engineering Sciences 2013
- Abdul Hameed Shoman Award for Arab Researchers (Jordan)2014
- Tanta University Award for Excellence in Performance 2014
- Tanta University Award for the highest deployment of international research at the university level rate 2013
- Tanta University Award for the highest deployment of international research at the university level rate 2014
- Tanta University Award for the highest deployment of international research at the university level rate 2015
- The Tanta University recognition award prize in Engineering Sciences 2001. .
- Mentioned in the Marquis World Encyclopedia of WHO IS WHO in the world (Outstanding world personalities) 7th edition to appear December 2008.

b) Attend and Participate in Conferences, Seminars and Courses:

Year	Place	Conference
1991	Monastir, Tunisia	International meeting on heat transfer
1995	Brno, Czech Republic,	International Conference of renewable energy,
1995	Higher Tatra ,Slovakia	International Conference of indoor climate of buildings, SSTP, Slovak
1996	Freburg, Germany	EuroSun 96
1998	Alexandria, Egypt	Third International water technology conference IWTC

1998	Cairo Egypt,	6 th International Conference of energy and environment,
1998	Higher Tatra , Slovakia	International Conference of indoor climate of buildings
1999	San Diego, California,	IDA World Congress on Desalination and Water Reuse,
2001	Cairo, Egypt	12 th International Mechanical Power Engineering Conference
2001	Cairo, Egypt	The international congress on fluid dynamics
2001	Slovak Republic	International Conference on compressor and coolants
2001	Elmansoura , Egypt	12 th International Mechanical Power Engineering Conference
2003	Cairo, Egypt	Seven International water technology conference IWTC
2003	Cleveland, Ohio, USA.	Sixteenth International Symposium on air Breathing Engines
2004	Alexandria, Egypt	Eight International water technology conference IWTC
2005	Egypt	Ain Shams university conference on environmental engineering
2008	Egypt	6th International engineering conference, Faculty of engineering, Mansoura/Sharm El-Sheikh
2008	Egypt	Ninth international congress of fluid dynamics and propulsion , Alexindria , Egypt
2009	Egypt	Thirteenth International Water Technology Conference
2010	Egypt	7 th International Engineering Conference, Faculty of Engineering, Mansoura University
2009	KSA	Conference on water desalination in the Arab countries
2010	KSA	International Engineering Conference on Regions, Arid Hot
2010	KSA	Conference on water desalination in the Arab countries, 11-14 April 2010
2011	KSA	Conference on water desalination in the Arab countries
2011	KSA	Workshop solar energy and desalination processes status and development perspectives, 17 April 2011
2011	KSA	Workshop M:arine environment impacts of discharge from desalination plant 17 April 2011
2011	Egypt	15 th International Water Technology Conference
2012	KSA	The 26 th Arab Engineering Conference on Water Resources in Arab Countries
2012	Turkey,	Sixteenth International Water Technology

		Conference, Istanbul, MAY 7-10, 2012
2012	Tunisia	International renewable energy congress, December 20-22, 2012, Sousse, Tunisia
2012	Egypt	The 3th conference for enhancing scientific research Tanta Egypt 18-18 November 2012
2013	KSA	The 16th Arab Gulf engineering conference, KSA, February 2013
2013	Istanbul-Turkey	Seventeenth International Water Technology Conference, 5-7 November 2013
2013	Egypt	Eleventh international conference of fluid dynamics, Alexandria, Egypt, 19-21 December 2013
2014	Tunisia	The 5th International Renewable Energy Congress IREC'2014 will be held on March 25 - 27, 2014 in Hammamet – Tunisia
2015	Egypt	18th International Water Technology Conference, Sharm Elsheikh Egypt 12-14 March 2015
2015	Egypt	8 th international engineering conference El mansoura a Novamner 2015 nd Sharm El Sheikh 19-22
2016	Tunisia	The seventh international renewable energy congress IREC 2016, Hammamet Tunisia, March 22-24
2016	Egypt	19th International Water Technology Conference, Sharm Elsheikh Egypt 21 – 23 April 2016

C) Supervision of the Theses (M.Sc. and Ph.D.):

- Masters and PhD Thesis have been discussed - number of these **30** Thiess.
- Masters and PhD Thesis under preparation for discussion- number of these **20** Thiess.

D) Activities in the Field of Teaching:

- **Undergraduate teaching of materials the following Courses:**
 - Heat Transfer (Second and Third Mechanics)
 - New and Renewable Energy (Third Mechanics)

- Engineering Economy (Second Mechanics)
- Engineering Drawing (Prep Engineering)
- Security Industrial (Second Mechanics)
- History of Science Engineering (Engineering Prep.)
- Hydraulic Machinery (Second Power)
- Mechanical power stations (Third electrical forces)
- Projects B.Sc. (Fourth Mechanics)
- Technical Reports (First Mechanics)
- Computer application in technical writing
- B Sc. Projects
- **Teaching at the postgraduate level for the following Courses:**
- Advanced Heat and Mass Transfer (MS)
- Heat Transfer in one and multi-directional (M.SC.)
- Convection Heat Transfer (M.SC.)
- Solar Energy
- Water desalination
- Advanced Thermodynamics
- Diploma projects.

- Research activities

- Reviewer in many journals such as Energy journal, Desalination journal , Applied Thermal energy journal, Energy conversion and management and green energy journal
- Scientific Committee in -MFTP 2012 Agadir, Morocco

E) Other Activities in Faculty and outside:

- Participate in the building of laboratories in the Faculty.
- Member of the work in Control Team.
- Member of the participants in summer training.
- Participation in the discussion of theses.

- Participate in the preparation of internal regulations of the Faculty of undergraduate Studies.
- Participate in the preparation of internal regulations of the Faculty of Graduate Studies.
- Member of the work in quality Team.
- Attend the sessions of the development of Faculty members.
- Participation in discussions of M.SC. and Ph.D. thesis in the Faculty and outside.
- Participation in arbitration research in local and international journals (Energy, Desalination, Renewable energy, Energy convergent and management, Green energy,.....).

F) Books:

1-Solar Collectors: Energy Conservation, Design and Applications:

- Book chapter: Solar air Heaters, Applications and Design Configurations, Nova publishers 2009.

2-Solar still Innovation: review article:

- Book chapter: Desalination research progress, Nova publishers 2008.

3- Ventilation: Types, Standards and Problems

- Book chapter: Ventilation Systems, Nova publishers 2011

4- Economic book, Tanta University, Faculty of Engineering, 2008.

5- Heat transfer Book, Tanta University, Faculty of Engineering, 2008

6-Mechanical book, Tanta University, Faculty of Engineering, 2012

G) Projects and service environment:

- الاشتراك في عمل المشروع البحثي الخاص بتحديد العمر الافتراضي لشبكة مياه مدينة طنطا.
- المشاركة في التنفيذ وإلقاء المحاضرات في الدورة التدريبية لشركة مطاحن وسط وغرب الدلتا في الفترة من ١٩٩٩-٥-٧ الى ١٩٩٩-٥-٩.
- المشاركة في التنفيذ وإلقاء المحاضرات في الدورة التدريبية لشركة مطاحن وسط وغرب الدلتا في الفترة من ٢٠٠٠-١٠-٧ الى ٢٠٠٠-١٠-٩.
- المشاركة في التنفيذ وإلقاء المحاضرات في الدورة التدريبية للعاملين بالهيئة الاقتصادية لمياه الشرب والصرف الصحي.
- المشاركة في التنفيذ وإلقاء المحاضرات في الدورة التدريبية لنظم الإدارة البيئية لجمعية الصناعة والبيئة فرع وسط الدلتا بشركة الإسكندرية للزيوت والصابون في الفترة من ٢٠٠٠-١٠-١٠ الى ٢٠٠٠-١٠-١٢.

- الاشتراك فى تقييم الأثار البيئية للعديد من المشاريع الصناعية مثل المسبك الفنى الحديث طريق طنطا المحلة الكبرى.
- تصميم أعمال التكييف والتهوية لمسرح كلية الهندسة جامعة طنطا بسبرباى.
- الاشتراك فى المعرض القومى الثانى لمبتكرات الشباب لنوادى العلوم بمركز الزهر للمؤتمرات بمدينة نصر فى الفترة من ٣/٢٩ الى ٤/٢ / ٢٠٠٤
- الاشتراك فى المعرض الدولى الثالث لتكنولوجيا المشروعات الصغيرة بأرض المعارض بمدينة نصر من ٢٠٠٤/٩/٩ الى ٢٠٠٤/٩/١٢.
- الاشتراك فى أسبوع شباب الجامعات بجامعة المنصورة خلال شهر فبراير ٢٠٠٥.
- الاشتراك فى المعرض الدولى الرابع لتكنولوجيا المشروعات الصغيرة بأرض المعارض بمدينة نصر من ٢٠٠٥/٧/٩ الى ٢٠٠٥/٧/٥.
- الاشتراك فى أسبوع شباب الجامعات بجامعة المنوفية خلال شهر فبراير ٢٠٠٧.
- الاشتراك فى الإعداد وتجهيز ندوة تكنولوجيا الاتصالات والمعلومات وشبكات المحمول بكلية الهندسة جامعة طنطا فى ٢٠٠٦/٢/٦.
- الاشتراك فى إعداد لائحة الدراسات العليا بالكلية.
- الاشتراك فى مشروعات خدمة المجتمع بمركز علوم وتكنولوجيا البيئة بجامعة طنطا.
- الاشتراك فى ٨ دورات لتنمية قدرات أعضاء هيئة التدريس.
- الاشتراك فى ملتقى الطاقة الجديد والمتجدده - جامعة طنطا ٢٠٠٨.
- الاشتراك فى ملتقى الطاقة الجديد والمتجدده - جامعة طنطا ٢٠٠٩.
- تقييم الاثر البيئى للمشروعات المختلفه.
- الاشراف على تنفيذ التكييف المركزى لمستشفى الرمد بجامعة طنطا.
- الاشراف على تنفيذ التكييف المركزى لنقابة المهندسين بالمحله الكبرى.
- تنظيم المنتدى البيئى الثالث بكلية الهندسه جامعة طنطا (معالجة مشاكل قش الارز).
- تنظيم والقاء دورات فى تحلية مياه البحر واقتصاديات استخدام الطاقه الشمسيه.
- الاشتراك فى الملتقى الثالث للطاقه الجديد والمتجدده - جامعة طنطا ٢٠١١.
- تصميم والاشراف على تكييف مدرجات كلية التربيه الرياضيه - جامعة طنطا.
- تصميم والاشراف لحمام السباحه كلية التربيه الرياضيه جامعة طنطا.
- عضو اللجنه العلميه الدائمه لترقيه الاساتذه والأساتذه المساعدين (محكم) الدوره من 2011 الى 2016
- عضو اللجنه العلميه الدائمه لترقيه الاساتذه والأساتذه المساعدين الدوره من 2016 الى 2019
- محكم فى مجلات محليه مثل مجله هندسة المنصوره.
- محكم فى مجلات عالميه متعددده مثل مجلات Desalination Journal, Energy Journal
- الاشتراك فى تنظيم العديد من المؤتمرات الدوليه مثل مؤتمر تكنولوجيا المياه ٢٠١٥ و ٢٠١٦ بشرم الشيخ مصر