



Curriculum Vitae of a faculty member

1. Personal information

Name	Loay B. Younis
Academic Degree	Assoc. Prof. Dr. from EMU
Job Title	Instructor
General Major	Thermal science
Mobil No.	
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Website	

2. Qualifications

Degree	Date of Graduation	Name of university	Country	Major
Doctorate	2002	EMU	North Cyprus	Thermal science
Master	1997	EMU	North Cyprus	Fluid
Bachelor	1984	Mosul	Mosul	general

3. Experiences

Employment	Job Title	Period
Cyprus International University (CIU)	Asst. Prof. Dr. in Industrial Engineering department	2002
Eastern Mediterranean University (EMU)	Asst. Prof. Dr. in Mechanical engineering department	2002-2007
Eastern Mediterranean University (EMU)	Assoc. Prof. Dr. in Mechanical engineering department	2008-2011

4. Researches & Scientific activities

1	L. B. Y. Aldabbagh and I. Sezai, "Numerical Simulation of Three-Dimensional Laminar, Square Twin-jet Impingement on a flat Plate, Flow Structure and Heat Transfer", Numerical Heat Transfer, Part A , Vol. 41, No. 8, pp. 835-850, 2002 .
2	L. B. Y. Aldabbagh and I. Sezai, "Numerical simulation of three-dimensional multiple impinging square jets", Int. Journal of Heat and Fluid Flow , Vol. 23, No. 4, pp. 509-518, 2002 .
3	L. B. Y. Aldabbagh, I. Sezai, and A. A. Mohamad, "Three-Dimensional Investigation of a Laminar Impinging Square Jet Interaction with Cross-flow", Int. J. of Heat Transfer , Vol. 125, pp. 243-249, 2003 .
4	L. B. Y. Aldabbagh, and I. Sezai, "Numerical Simulation of Three-Dimensional Laminar Array of Impinging Square Jets with Spent Fluid Removal", Int. J. of Thermal Science , Vol. 43, No. 3, pp. 241-247, March 2004 .
5	I. Sezai, and L. B. Y. Aldabbagh, "A Three-Dimensional Numerical Investigation of Flow and Heat Transfer Characteristic of Inline Jet Arrays", Numerical Heat Transfer, Part A , Vol. 45, pp. 271-288, 2004 .
6	I. Sezai, L. B. Y. Aldabbagh, U. Atikol, H. Hacisevki "Performance Improvement by using Dual Heaters in a Storage-type Domestic Electrical Water-Heater", Applied Energy , Vol. 81, pp. 291-305, 2005 .
7	L. B. Y. Aldabbagh and I. Sezai, "Three-Dimensional Numerical Investigation of Laminar Single and Three Impinging Jets in a Cross-flow", Int. Journal of Transport Phenomena , Vol. 7, No.4, pp. 255-271, 2005 .
8	U. Atikol, L. B. Y. Aldabbagh, I. Sezai "Effect of Standing Time After Usage on the Performance of Storage-Type Domestic Electrical Water-Heaters", Journal of the Energy Institute , Vol. 79, No. 1, pp. 53-58, 2006 .
9	L. B. Y. Aldabbagh, and A. A. Mohamad, "Effect of Jet-to-Plate Spacing in Laminar Array Jets Impinging", Journal of Heat and Mass Transfer , Vol. 43, No. 3, pp. 265-273, 2007 .
10	L. B. Y. Aldabbagh, Manesh H. F., and A. A. Mohamad, "Unsteady Natural Convection inside a Porous Enclosure Heated from side," Journal of porous media , Vol. 11, No. 1, pp. 73-83, 2007 .
11	L. B. Y. Aldabbagh, Mohsen Sharifpur, and Mahdi Zamani, "Experimental study of free convection from a vertical flat plat in porous media," Defect and diffusion

	forum, Vol. 273-276, pp. 796-801, 2008.
12	L. B. Y. Aldabbagh, and A. A. Mohamad, "Mixed convection in an impinging laminar Single Square jet", Int. J. of Heat Transfer, Vol. 131, pp. 1-7, 2009.
13	L. B. Y. Aldabbagh, and A. A. Mohamad, "A three dimensional numerical simulations of impinging jet arrays on a moving plate," Int. Journal of heat and mass transfer, Vol. 52, pp. 4894-4900, 2009
14	L. B. Y. Aldabbagh, F. Egelioglu, and M. Ilkan, "Single and double pass solar air heater with wire mesh as packing bed," Energy, Vol. 35, pp. 3783-3787, 2010.
15	A. P. Omojaro, L. B. Y. Aldabbagh, "Experimental performance of single and double pass solar air heater with fins and steel wire mesh as absorber," Applied Energy, Vol. 87, pp. 3759-3765, 2010.
16	Kiyan Parham, Esmaeil Esmaeilzadeh, Ugur Atikol, and L. B. Y. Aldabbagh, "A numerical study of turbulent opposed impinging jets issuing from triangular nozzles with different geometries", Journal of Heat and Mass Transfer, Vol. 47, pp. 427-437, 2011
17	M. Kawajah, L. B. Y. Aldabbagh, and F. Egelioglu, "The effect of using transverse fins on a double pass flow solar air heater using wire mesh as an absorber", Solar Energy, Vol. 85, pp. 1479-1487, 2011.
18	Raheleh Nowzari, L. B. Y. Aldabbagh, and F. Egelioglu, "Single and double pass solar air heater with partially perforated cover and packed mesh", Energy, Vol. 73, pp. 694-702, 2014.
19	A. J. Mahmood, L. B. Y. Aldabbagh, and F. Egelioglu, "Investigation of single and double pass solar air heater with Transverse Fins and a Package Wire Mesh Layer", Energy Conversion and Management, Vol. 89, pp. 599-607, 2015.
20	U. Atikol and L.B.Y. Aldabbagh, "The impact of two-stage discharging on the exergoeconomic fins and a package wire mesh layer", Energy, Vol. 83, pp. 379-386, 2015.
21	Nima Mirzaei, Raheleh Nowzari, and L. B. Y. Aldabbagh, "Finding the Best Configuration for a Solar Air Heater by Design and Analysis of Experiment", Energy Conversion and Management, Vol. 100, pp. 131-137, 2015.
22	Hasan Saygin, Raheleh Nowzari, Nima Mirzaei, L. B. Y. Aldabbagh, "Performance evaluation of a modified PV/T solar collector: A case study in design and analysis of experiment", Solar Energy, Vol. 141, 1 January, pp. 210-221, 2017
23	Raheleh Nowzari, L. B. Y. Aldabbagh, "Experimental study on a solar air heater with various perforated covers", Sadhana, Indian Academy of sciences, Vol. 42, 9 September, pp. 1585-1593, 2017

Chapter in book

Progress in sustainable energy technologies:
generating renewable energy

5. Scientific Conferences

	Conference Name	Date
1	L. B. Y. Aldabbagh and I. Sezai, "Numerical Simulation of Three-Dimensional Laminar	22-26 October, 2001.

	Impinging Square Twin-jets for Small Nozzle to Plate Distances". 2nd Int. Conference on Computational Heat and Mass Transfer, Barazil	
2	L. B. Y. Aldabbagh and I. Sezai, "Three Dimensional Numerical Investigation of Heat Transfer by an Array of Square Impinging Jets with Spent Fluid Removal", 6th Int. Biennial Conf. on Engineering Systems Design and Analysis (ESDA), Istanbul, Turkey	8-11 July, 2002.
3	L. B. Y. Aldabbagh and I. Sezai, "Three-Dimensional Numerical Simulation of a Laminar Impinging Square Jet Through a Cross-flow", 13 th International Symposium on Transport Phenomena (ISTP/ 13), Victoria, Canada	14-18 July, pp. 43-47, 2002.
4	L. B. Y. Aldabbagh and I. Sezai, "Numerical simulation of three-dimensional laminar multiple impinging square jets for a small nozzle to plate spacing", 12 th International Heat Transfer Conference (IHTC12), Grenoble, France, Vol. 2, pp. 411-416	18-23 August, 2002.
5	I. Sezai and L. B. Y. Aldabbagh, "The Effect of Jet-To-Jet Spacing on the Cooling Performance of Impinging Jet Arrays", Proceedings of 3ICCHMT, 3 rd International Conference on Computational Heat and Mass Transfer, Banff, CANADA	26-30 May, 2003.
6	E. Erdil, M. Ilkan, F. Egelioglu, and L. B. Y. Aldabbagh, "Energy Generation with a Photovoltaic- Solar Thermal Hybrid System" The 5th ISES Europe Solar Conference , Freiburg, Germany, pp. 1-041-1-046.	24 – 26 June, 2004
7	L. B. Y. Aldabbagh and I. Sezai, "Numerical Simulation of Three-Dimensional Laminar Impinging Square Jets for a Small Nozzle to Plate Spacing", 3 rd FAE International Symposium, Lefke, TRNC	25-26 November, 2004.
8	Hikmet S. Aybar, L. B. Y. Aldabagh, and Hani S. Hosseini, "Experimental Study of Fluid Flow in a Duct Fully Filled with Porous Medium", 16 th International Symposium on Transport phenomena, Prague, Czech Republic, paper No. 086L	29 August, 2005.
9	U. Atikol, L. B. Y. Aldabbagh, I. Sezai, "The Hot Water Availability and the Discharging Efficiency of a Storage-Type Domestic Water-Heater", Proceedings of the Second International Energy, Energy and Environment Symposium (IEEES2), Kos, Greece	3-7 July, 2005,
10	L. B. Y. Aldabbagh, "Three-Dimensional Numerical Simulation of an Array of Impinging Laminar Square Jets with Spent Fluid Removal, Flow Structure, Part II", 2 nd International	3-6 January, 2006.

	conference on thermal Engineering theory and applications, Al Ain, United Arab Emirates	
11	L. B. Y. Aldabbagh, I. Sezai, and H. F. Manesh, "Experimental Study of Transient Natural Convection in a Rectangular Porous Enclosure Heated From Side", 9 th AIAA/ASME Joint Thermo physics and Heat Transfer Conference, San Francisco, California, USA	5-8 June, 2006.
12	H. F. Manesh, L. B. Y. Aldabbagh, and M. Hashemipour, "Visualisation Numerical Simulation of an Impinging Square Jet using Virtual Reality Technology" 13 th International Heat Transfer Conference (IHTC-13), Sydney, NSW, Australia	13-18 August, 2006.
13	Nil Gurbuz, D. S. Daoud, and L. B. Y. Aldabbagh, "Non iterative parallel solution algorithm for the momentum equations of the Navier-Stokes problem," 12 th international congress on computational and applied mathematics (ICCAM 2006), Leuven, German	10-14 July 2006.
14	L. B. Y. Aldabbagh, and A. A. Mohamad, "Mixed convection in an impinging laminar Square jet for small jet to plate spacing," 5 th Int. Conf. On Computational Heat and Mass Transfer, Canmore, Alberta, Canada	4-8 June, 2007.
15	L. B. Y. Aldabbagh, Mohsen Sharifpur, and Mahdi Zamani, "Experimental study of free convection about a vertical flat plat in porous media," 3 rd International conference on diffusion in solids and liquids (DSL-2006), Aveiro-Portugal	4-6 July, 2007.
16	L. B. Y. Aldabbagh "Numerical Simulation of an Impinging Single Square Jet", ICHMT International Symposium on Advances in Computational Heat Transfer (CHT-08), Narrakech, Morocco	11-16 May, 2008.
17	L. B. Y. Aldabbagh "Transient, natural convection inside a rectangular porous cavity heated from side" 4 th International conference on Applications of Porous Media, ICAPM2008, Istanbul, Turkey	19-21 May, 2009.
18	Peter A. Omojaro, and L. B. Y. Aldabbagh "Experimental performance of single pass solar air heater with fins and steel wire mesh as an absorber" International Solar Conference and Exhibition (Solar Future 2010) Istanbul, Turkey	10-12 February, 2010
19	L. B. Y. Aldabbagh, F. Egelioglu, and M. Kawajah, "The effect of partitioning single pass mesh wire packed bed solar air heater", 7 th international conference on heat transfer, fluid mechanics and thermodynamics, Antalya, Turkey,	19-21 July, 2010.
20	L. B. Y. Aldabbagh, and F. Egelioglu, "Single pass solar air heaters with wire mesh as packing bed",	15-17 September, 2010.

	10 th International conference on clean energy (ICCI-2010), Gazimagusa – N. Cyprus	
21	Peter A. Omojaro, Nnamdi I. Nwulu, Loay B. Y. Aldabbagh, "Solar air heater modeling using neural networks", 10 th International conference on clean energy (ICCI-2010), Gazimagusa – N. Cyprus	15-17 September, 2010.
22	L. B. Y. Aldabbagh, "Laminar single square jet in a cross-flow with moving plate", 7 th Int. Conf. On Computational Heat and Mass Transfer, Istanbul Turkey	18-22 June, 2011.
23	Nil Gurbuz and L. B. Y. Aldabbagh, "Solution of steady and unsteady Navier-Stokes equations by parallel splitting algorithms", 7 th Int. Conf. On Computational Heat and Mass Transfer, Istanbul Turkey	18-22 June, 2011.
24	Raheleh Nowzari, and L. B. Y. Aldabbagh "Single pass solar air heater without absorber" 11 th Biennial Conference on Engineering Systems Design and Analysis (ESDA2012, ASME) Nantes, France	2-4 July, 2012.
25	A. J. Mahmood and L. B. Y. Aldabbagh "Single pass solar air heater with transverse fins and without absorber plate" 9 th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2012), Malta	16 – 18 July, 2012.
26	A. J. Mahmood and L. B. Y. Aldabbagh "Double pass solar air heater with transverse fins and without absorber plate" International Conference on Fluid Dynamics and Thermodynamics (ICFDT 2013), Istanbul	20-21 June, 2013.
27	A. J. Mahmood and L. B. Y. Aldabbagh "Effect of use transverse fins and package wire mesh layers as absorber plate on thermal efficiency of solar air heater" Proceedings of the 2 nd scientific engineering conference, Mosul university Iraq	19 -21, November 2013
28	Husam N. S. Y., Cafer Kizilors and L. B. Y. Aldabbagh " A new storage domestic water heater with solar collector" Proceedings of the 2 nd scientific engineering conference, Mosul university Iraq	19 -21, November 2013

6. Training courses for faculty members .

	Training program name	Date
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- Master's and Doctoral theses which he supervised

	Researcher name	Thesis title	Reg. date
1			
2			
3			
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- Theses which he discussed (MS)

	Researcher name	Thesis title	date
1	Saman Kashanchi, Co-Supervisor	An experimental study of natural convection in a rectangular porous cavity	June, 2005
2	Hani Sadrhosseini, Co-Supervisor	Experimental study of fluid flow in a duct filled with porous media	July, 2005
3	Hamed Farahani Manesh, Supervisor	Visualization of numerical simulation of an impinging square jet using virtual reality	February, 2006
4	Adebola Peter Omojaro, Supervisor	Experimental performance of a single and double pass solar air heater with steel wire mesh as absorber	January, 2010
5	Hussam Naufal, Supervisor	New Design of electric water heater with solar collector	August, 2013

- Theses which he discussed (PhD)

	Researcher name	Thesis title	date
1	Nil Gurbuz,	An Parallel Additive operator splitting	August, 2009

	Supervisor	methods for Parabolic and Navier-Stokes equations experimental study of natural convection in a rectangular porous cavity	
2	2. Monter Kawajah, Co-Supervisor.	Effect of transfer fins and reflection on single and counter flow solar air heater using wire mesh as an absorber	September 2011
3	. Raheleh Nowzari, Supervisor	Experiment study on a solar air heater with various perforated covers and bed heights	September, 2014
4	34. Afaq Jasem Mahmood, Supervisor,	Effect of transfer fins on single and counter flow solar air heater using wire mesh as an absorber	September, 2015.