

## CURRICULUM VITAE

### **JASIM MOHAMMED ABDULATEEF**

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#### **Assistant Professor, PhD.**

Mechanical Engineering Department  
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### **QUALIFICATIONS**

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| <b>2011</b> | <b>Ph.D. (Mechanical Engineering)</b><br>Faculty of Engineering and Built Environment<br>National University of Malaysia (UKM), MALAYSIA |
| <b>2002</b> | <b>M.Sc. (Mechanical Engineering)</b><br>College of Engineering<br>University of Baghdad, IRAQ   |
| <b>1999</b> | <b>B.Sc. (Mechanical Engineering)</b><br>College of Engineering<br>University of Baghdad, IRAQ   |

### **TEACHING / ACADEMIC EXPERIENCE**

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| <b>2015-present</b> | <b>Assistant Professor</b><br>Mechanical Engineering Department<br>College of Engineering, University of Diyala, IRAQ<br>Teaching M.Sc. courses & supervising postgraduate students |
| <b>2011-2015</b>    | <b>Lecturer</b><br>Mechanical Engineering Department<br>College of Engineering, University of Diyala, IRAQ  |

Teaching different subjects and supervising student projects

**2006-2010**

**Research Assistant**

Faculty of Engineering and Built Environment

National University of Malaysia (UKM), MALAYSIA

**2003-2006**

**Assistant Lecturer**

College of Engineering- University of Diyala, IRAQ

Teaching different subjects

## **SUBJECTS TAUGHT**

**Undergraduate Classes:** Heat Transfer, Thermodynamics, Air-conditioning and Refrigeration, Fluid Mechanics, Fluid Dynamics, Numerical Analysis, Mathematics I, II, Computer Science, Windows, MS-Office packages, and Project.

**Postgraduate Classes:** Advanced Heat Transfer, Advanced Mathematics, and Advanced Numerical Analysis.

## **PUBLICATIONS**

### **Journal Papers**

1. Mustafa Sabah Mahdi, **Jasim Abdulateef**, Ammar M. Abdulateef. "Thermoelectric Combined Heat and Power Generation System Integrated with Liquid-Fuel Stove." *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences* 51, Issue 1 (2018) 19-30
2. Ammar M. Abdulateef, Sohif Mat, and **Jasim Abdulateef**. "Melting Performance Enhancement of Triplex Tube Latent Thermal Storage Using Fins-NanoPCM Technique." *International Journal of Theoretical and Applied Mechanics* 2 (2017): 1-6.
3. Hassan, Q., Marek Jaszczur, and **Jasim Abdulateef**. "Optimization of PV/WIND/DIESEL Hybrid Power System in HOMER for Rural Electrification." *Journal of Physics: Conference Series*. Vol. 745. No. 3 (2016).

4. **Jasim Abdulateef**. "Effect of Prandtl number and diameter ratio on laminar natural convection from isothermal horizontal cylindrical annuli." *Diyala Journal of Engineering Sciences* 9.1 (2016): 39-54.
5. **Jasim Abdulateef**, and Ayad Hassan. "Correlations for Nusselt Number in Free Convection from an Isothermal Inclined Square Plate by a Numerical Simulation." *American Journal of Mechanics and Applications* 3.2 (2015): 8-18.
6. Mohamma, Abdulrahman Th, **Jasim Abdulateef**, and Zaid Hammoudi. "Prediction of Cycle Life of Flexible Pipe Bellows." *International Journal of Mechanical Engineering and Applications* 3.1 (2015): 6-15.
7. **Jasim Abdulateef**. "Simulation of solar off-grid photovoltaic system for residential unit." *International Journal of Sustainable and Green Energy* 4.3-1 (2014): 29-33.
8. Sopian, Kamaruzzaman, **Jasim Abdulateef**, Alghoul, M. and Yigit, K. S. "Evaluation of a combined solar-assisted ejector absorption chiller." *Journal of Mechanical Engineering* 42.1 (2013): 56-60.
9. Sirwan, Ranj, M. A. Alghoul, Kamaruzzaman Sopian, Yusoff Ali, and **Jasim Abdulateef**. "Evaluation of adding flash tank to solar combined ejector-absorption refrigeration system." *Solar energy* 91 (2013): 283-296.
10. Hassan, Ayad, and **Jasim Abdulateef**. "Numerical Study of Two-Dimensional Transient Natural Convection in an Inclined Shallow Porous Cavity Exposed to a Constant Heat Flux." *Engineering & Technology Journal* 30.15 (2012): 2577-2596.
11. **Abdulateef, J. M.**, et al. "Review on solar-driven ejector refrigeration technologies." *Renewable and Sustainable Energy Reviews* 13.6 (2009): 1338-1349.
12. **Abdulateef, J. M.**, Kamaruzzaman Sopian, and M. A. Alghoul. "Optimum design for solar absorption refrigeration systems and comparison of the performances using ammonia-water, ammonia-lithium nitrate and ammonia-sodium thiocyanate solutions." *International Journal of Mechanical and Materials Engineering* 3.1 (2008): 17-24.
13. **Abdulateef, Jasim M.**, et al. "Solar absorption refrigeration system using new working fluid pairs." *International Journal of Energy* 1.3 (2007): 82-87.

14. Ayad Hassan and **Jasim Abdulateef**. "Numerical Simulation of Two Dimensional Transient Natural Convection Heat Transfer from Isothermal Horizontal Cylindrical Annuli." *Engineering & Technology* 25.6 (2007): 728-745.

### Conference Papers

15. Azhari, A. W., M. A. Alghoul, S. H. Zaidi, A. H. Ibrahim, J. M. Abdulateef, A. Zaharim, and K. Sopian. "Development of Diffused Solar Radiation Maps using GIS Software for Malaysia." *Models and Methods in Applied Sciences* (2012): 124-128.
16. J.M. Abdulateef et al. "Second Law Thermodynamic Analysis of a Solar Single-Stage Absorption Refrigeration System." *Models and Methods in Applied Sciences Conference* (2012): 163-168.
17. Abdulateef, J., Sopian, K., Kader, W., Bais, B., Sirwan, R., Bakhtyar, B., & Saadatian, O. "Economic analysis of a stand-alone PV system to electrify a residential home in Malaysia." *In Advances in Fluid Mechanics and Heat & Mass Transfer Conference* (2012):169-174.
18. Abdulateef, J. M., Nurul Muiz Murad, M. A. Alghoul, Azami Zaharim, and Kamaruzzaman Sopian. "Experimental study on combined solar-assisted ejector absorption refrigeration system." In *Proceedings of the 4th WSEAS international Conference on Energy and development-environment-biomedicine*, (2011):162-166.
19. Abdulateef, J. M., et al. "Economic analysis of combined solar-assisted ejector absorption refrigeration system." *4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology*, (2011): 157-161.
20. Abdulateef, J. M., et al. "An economic viability analysis and optimization of solar cooling system." *Proceedings of the 4th IASME/WSEAS international conference on Energy & environment*. ( 2009):425-430.
21. Abdulateef, J. M., et al. "Experimental investigation on solar absorption refrigeration system in Malaysia." *Proceedings of the 3rd WSEAS Int. Conf. on Renewable Energy Sources*. (2009):267-271.
22. Abdulateef, J. M., et al. "Optimization of the thermodynamic model of a solar driven Aqua-ammonia absorption refrigeration system." *Second WSEAS/IASME international conference on renewable energy sources Corfu, Greece*. (2008):112-117.

## **AREA OF EXPERTISE**

- Solar thermal Systems
- Thermofluids
- Computational Fluid Dynamics (CFD)
- Air-conditioning and Refrigeration

## **COMPUTER /SOFTWARE SKILLS**

- ANSYS FLUENT
- HOMER
- HAP

### **Scopus Profile:**

<https://www.scopus.com/authid/detail.uri?authorId=24528085600>