

SHAYMAA HUSHAM ABDULMALEK

Baghdad, Iraq

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Birth place and date: Baghdad 1984

Summary

I have PHD degree in Mechanical Engineering and M.Sc. degree in Mechanical Engineering and Bachelor's degree in Mechanical Engineering. I have published six research papers. I have experience as a lecture for 6 years. I have background about renewable energy and thermo-fluid that can be used to solve energy and environmental problems.

Objectives

- To secure a challenging position as a lecturer.
- To support the industrial and academic societies with high quality graduates.
- To develop the using of the alternative energy resources.
- To publish high rank journal papers.

Education

Universiti Teknologi PETRONAS, Seri Iskandar, Malaysia.

Ph.D. Mechanical Engineering, Graduated on September 2019.

Universiti Tenaga Nasional, Kajang, Malaysia.

M. Sc. Degree in Mechanical Engineering, Graduated on November 2013.

University of Technology, Baghdad, Iraq.

Bachelor's Degree in Mechanical Engineering, Graduated on June 2006.

Employment History

Tikrit University, Tikrit, Salhuddin, Iraq.

Engineer (contract), May 2007 – June 2009.

Teaching in mechanical engineering labs

Lab reports evaluation

Administration work

Research assistance

Universiti Teknologi PETRONAS, Seri Iskandar, Malaysia.

Assistant lecturer, July 2016 - July 2019.

Teaching in mechanical engineering labs

Lab reports evaluation

Administration work

Research assistance

Samara University, Samara, Salhuddin, Iraq.

External lecturer, 4 October 2019 - Present

Teaching in Electro-mechanical department.

Subject: Turbomachinery, Mathematics

Have experience in on line education using google classroom and Edmodo during the separation of COVID19 virus.

Professional Skills

Computer software (Fluent, M. Excell, MATLAB).

Excellent communication with students.

Academic writing.

Publications

- [1] S.H. Abdulmalek, S.S. Dihrab, A.A. Gitan, The Performance of Tilted Solar Collector For Solar Chimney Power Plant Purpose, in: National Graduate Conference 2012 (NatGrad2012), Universiti Tenaga Nasional, 2012, pp. 4.
- [2] A. A. Gitan, S. H. Abdulmalek, and S. S. Dihrab, "Tracking collector consideration of tilted collector solar updraft tower power plant under Malaysia climate conditions," Energy, pp. 1467-1477, 2015.

- [3] Shaymaa Husham Abdulmalek , Morteza Khalaji Assadi , Hussain H. Al-Kayiem, Ali Ahmed Gitan "A comparative analysis on the uniformity enhancement methods of solar thermal drying," Energy, Vol. 148, pp. 1103-1115, 2018. (Q1, ISI with IF=4.968).
- [4] Shaymaa Husham Abdulmalek, Morteza Khalaji Assadi, Hussain H. Al-Kayiem, Ali Ahmed Gitan."Effect of Tube Diameter on The Design of Heat Exchanger in Solar Drying system" IOP Conf. Series: Materials Science and Engineering, vol. 328, pp. 1088-1757, 2018.
- [5] Shaymaa H. Abdulmalek, Hussain H. Al-Kayiem, Morteza K. Assadi, and Ali A. Gitan," Development of multi chamber technique to improve the uniformity in drying application" AIP Conference Proceedings, American Institute of Physics vol.2035,2018.
- [6] Shaymaa H. Abdulmalek, Hussain H. Al-Kayiem,, Aklilu T. Baheta and Ali A. Gitan." Design of Flue Gas-Air Heat Exchanger for Regeneration of Desiccant System" MATEC Web of Conferences, vol. 225, 2018.

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57063184100>

Research gate: https://www.researchgate.net/profile/Shaymaa_Abdulmalek2

Languages

Arabic: Native
English: Fluent

Qualification & Certification

National Graduate Conference 2012 (NATGRAD 2012)

8-9 November 2012
Universiti Tenaga Nasional
Kajang, Malaysia

ICMMP2017, the 3rd International Conference on Mechanical, Manufacturing and Process Plant Engineering

Batu Ferringhi, Penang, Malaysia
22-23 November 2017

ICPER2018 a conference of ESTCON 2018 in Kuala Lumpur Convection Centre, Malaysia

13-15 August 2018
Universiti Teknologi PETRONAS
Seri Iskandar, Malaysia

Teaching Method from samara university 2019

The workshop since 8-28 October 2019
Pass successfully.

MATLAB Training

13-14 & 27-28 January 2018
Universiti Teknologi PETRONAS
Seri Iskandar, Malaysia

Hobbies & Interests

Reading, scientific exhibitions, and sport.