



Hardi Abdalla

CONTACT

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Date & Place of Birth:

Jan. 31st. 1987, Sulaymaniyah.

Marital Status

Single

LANGUAGES

Kurdish – Mother lang.

Arabic – Good

English – Good

SPECIALIZATION

General Specialization: Thermal Power Engineering.

Specific Specialization: Renewable Energies.

EDUCATION

- 2017 MSc Renewable Energies, University of Salahaddin, Erbil, Iraq.

It was a two-year program, in which contained two theoretical courses and Thesis subjected “Investigation of Solar Chimney Performance”

- 2013 BSc Mechanical Engineering, University of Salahaddin, Erbil, Iraq.

Four years of hard work, dedication and insistence to achieve the highest level was culminated by 1st degree honours in mechanical engineering. I was ranked the 1st amongst 70 graduates.

PUBLICATIONS

Published Articles

- Hardi A. Muhammed, Soorkeu A. Atrooshi, *Modeling Solar Chimney for Geometry Optimization*, Renewable Energy 138 (2019) 212-223

Current Articles (Under working)

- Effect of using absorption material on the solar air heater during night time
- Geothermal heating and cooling depth optimization in Kurdistan Region.
- Free vibration Analysis of Multi-Cracked nanobeam using nonlocal elasticity theory. (Under Revision)

EMPLOYMENT HISTORY

- 2018 Assistant lecturer, Department of Chemical and Petrochemical Engineering, College of Engineering, Salahaddin University, as well as department Quality Assurance Director.
- 2017 Director of Training Center for Electricity Development, Ministry of Electricity, KRG- Iraq.
- 2013 – 2016 Teaching Assistan, Department of Chemical and Petrochemical Engineering, College of Engineering, Salahaddin University.

English Proficiency Test

IELTS – 5.5

SKILLS

- ANSYS Workbench
- MATLAB
- SOLID WORKS
- AUTOCAD
- Microsoft office (Word, Excel, PowerPoint, ...)
- Visual Basic
- C++
- Others

TEACHING EXPERIENCES

The quality of teaching is the way we invest in the future of the region. Therefore, it should be recognized that teaching quality should be in continuous progression with the newer graduates.

The following are the modules which I taught throughout my career:

- Engineering Thermodynamics - I & II.
- Engineering Mechanics and Strength of Materials.
- Mathematics-I and Mathematics-II
- Mathematics-III
- Advanced Mathematics
- MATLAB
- Engineering Drawing and Descriptive Geometry.
- Engineering Analysis
- Finite Element Method
- Ansys Workbench
- Engineering Thermodynamics and Heat Transfer Labs.
- Etc.

WORK EXPERIENCES

- Operation Engineer, Erbil Combined Cycle Power Plant (June 2013- June 2014) - Part Time.
- M&C Destructive Test Company (July 2014 – Aug. 2016) – Part Time
- Deqqa – Almutanahya company for Non-Destructive Test, Erbil Refinery- (Sept. 2016 – March 2017) – Part Time

ACADEMIC PROFILE

<https://academics.su.edu.krd/hardi.m.rasul>