

Hossam Eldein Abdelfattah Mohamed
Mechanical Engineering Department Assiut University
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Personal Information

Date of birth: 10th Jan., 1988
Military service: finished

Education

M.Sc. in Mechanical engineering Assiut University, May 2017.
Performance study of air humidification-dehumidification desalination unit

Bachelor of Science; Mechanical engineering, Power Section
Assiut University, June 2009.
With accumulative grade 82.6% (Very good with honors degree).

Graduation project (2008-2009)

Project title: “*Air conditioning of The Women Healthy Hospital in Assiut University using Conventional System and Radiative Panels System*”
Accomplishment: Grade (Excellent).

Publications

[1] H. A. Ahmed, I. M. Ismail, W. F. Saleh, and M. Ahmed, “Experimental investigation of humidification-dehumidification desalination system with corrugated packing in the humidifier,” *Desalination*, vol. 410, pp. 19-29, 2017

Work experience

- *Teaching Assistant in the Faculty of Engineering, Assuit University from Dec 2010.*
- *Work in a graduation project in design and manufacturing of a humidification dehumidification water desalination unit in 2014.*
- *Tutor and marker for the following undergraduate courses:*
 - *Thermodynamics I*
 - *Economic engineering*

- *Heat exchangers*
- *Hydraulic machines*
- *Engineering drawing*

Training Experience

- *Assiut Cement Company (CEMEX) Project Department in 2007.*
- *Assiut Cement Company (CEMEX) Mechanical maintenance Department in 2008.*
- *Upper Egypt Electricity Production Company in 2008*
- *Assiut Oil Refining Company (ASORC) in 2008.*

Computer Skills

*Microsoft Office Word, Excel, and Power point
FORTRAN, C++ ,MATLAB and SOLIDWORKS*

Language Skills

English and Arabic

Interests

- *Desalination systems*
- *Renewable energy*