

## Curriculum Vitae (CV)

Samar Sabry Ali Hamad



### Personal Information:

**Academic Rank:** Assistant Professor

**Department:** Mechanical Engineering

**Specialization:** Mechanical Power Engineering

**Position:** Assistant Professor at Mechanical Engineering Department

**Google Scholar:** <https://myaccount.google.com/security?gnotswvaction=browser#signin>

**Research Gate:** <https://www.researchgate.net/profile/Samar-Sabry>

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Degree	Discipline	Institution	Year
Ph.D.	Mechanical Power Engineering	BENHA UNIVERSITY	2012
M.Sc.	Mechanical Power Engineering	EL-ZAGAZIG UNIVERSITY	2008
B.Sc.	Mechanical Engineering	HIGHER TECHNOLOGICAL INSTITUTE	2003

**Academic Experience:**

**Institution:** Higher Technological Institute H.T.I, 10thof Ramadan, 6thof October branch

**Rank:** Assistant Professor

**Dates:** 2013 - present

**Institution:** Higher Technological Institute H.T.I, 10thof Ramadan, 6thof October branch

**Rank:** Research Assistant (PhD student)

**Dates:** 2008-2012

**Institution:** Higher Technological Institute H.T.I, 10thof Ramadan, 6thof October branch

**Rank:** Teaching Assistant

**Dates:** 2003-2008

## Research interests:

- - Heat Transfer Applications
- - Performance and Enhancement Techniques in refrigeration systems
- - Renewable Energy
- - Bio fuel

## Publications:

- Eed A. Abdel-Hadi, Sherif H. Taher, **Samar S. A. Hamad**, Ahmed Wafdy Sayed “Enhancement of Evaporating Heat Transfer Coefficient Using Nano Fluids” published in **ENGINEERING RESEARCH JOURNAL , FACULTY OF ENGINEERING (SHOUBRA) OCTOBER, 2016, Cairo, Egypt**
- Eed A. Abdel-Hadi, Sherif H. Taher, Abdel Hamid M. Torki, **Samar S. A. Hamad** “Heat Transfer Analysis of Vapor Compression System Using Nano CuO-R134a” published in **INTERNATIONAL CONFERENCE OF ADVANCED MATERIAL ENGINEERING, OCTOBER 1-2, 2011, Singapore**
- Corpus ID: 138078734
- Eed A. Abdel-Hadi, Sherif H. Taher, Abdel Hamid M. Torki, **Samar S. A. Hamad** “Effect of Oil Concentration on Condensation Heat Transfer Coefficient of R-134A” published in **THE 11th ASIAN SYMPOSIUM ON VISUALIZATION, JUNE 5-9. 2011, NIIGATA, JAPAN, Toki Messe (Niigata Convention Center).**

## Honors and Awards:

- 2000 Appreciation certificate and congratulation from the higher technological institute for the acquisition for the ideal student in the higher technological institute.
- 2003 Appreciation certificate and congratulation from the higher technological institute for the acquisition for the ideal student in the higher technological institute.
- 2022 Appreciation certificate and congratulation from ministry of higher education and the October Higher Institute for Engineering and Technology

## Teaching Experience:

- 2019-present, A part time Assistant Professor, Mechanical and Electrical Engineering departments Akhbar Alyoum Academy
- 2019- 2020, A part time, Assistant Professor, Mechanical Engineering Department MUST University
- 2012- present, A full time, Assistant Professor, in the Higher Technological Institute, 10th of Ramadan City, 6th of October branch, Mechanical Engineering Department.
- 2008- 2012, A full time, Lecturer Assistant, in the Higher Technological Institute, 10th of Ramadan City, 6th of October branch, Mechanical Engineering Department.
- 2004- 2008, A full time, Student Research, in the Higher Technological Institute, 10th of Ramadan City, 6th of October branch, Mechanical Engineering Department.
- 2003-2004, A Part time, Student Research, in the Higher Technological Institute, 10th of Ramadan City, 6th of October branch, Mechanical Engineering Department.

## Courses taught

- Mechanical Drawing C (using AutoCAD)
- Computer Aided Design (using Autodesk Inventor)
- Programming Language (Quick Basic)
- Engineering Drawing A & B
- Thermodynamics A & B
- Refrigeration
- Airconditioning
- Duct and pipeline design
- Thermal Technology
- Energy Conversion
- Renewable Energy
- Heat and Mass Transfer
- Heat and Fluid Machinery
- Fluid Machinery
- Internal combustion engines
- Data Processing
- Fine Measurements
- Power stations
- Fluid power
- Thermo-fluid lab
- Heat transfer lab