

Curriculum Vitae

PERSONAL INFORMATION

Name: Mahmoud Ahmed Sharafeldin, PhD

Date & place of birth: August 6th 1988, Kalyobiya

Citizenship: Egyptian

Marital status: married, two son

Address: Cairo, Shoubra street, 108, 11689, Egypt

Workplace: Mechanical Engineering Department, Faculty of Engineering Shoubra, Benha University, Benha, Egypt

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INTRODUCTION

I have a PhD. in Mechanical Engineering. I am Egyptian. I am a mechanical engineer who graduated from Budapest University of Technology and Economics and Shoubra Faculty of Mechanical Engineering with ten years' experience in the energy field. My research field is Renewable energy, Heat transfer, nanofluid, Thermodynamic cycle and fluid mechanics. I am a member of the Egyptian Engineers Syndicate since 2010.

EDUCATION

2015 – 2020 Ph.D. Budapest University of Technology and Economics, Mechanical Engineering with a grade of (summa cum laude) 90%

2010 – 2014 MSc of Mechanical Engineering–Shoubra faculty of engineering -Benha University

2005 – 2010 BSc (excellent with great honor) Mechanical Engineering–Shoubra Faculty of Engineering -Benha University

AWARDS

- Shield of Scientific Excellence for the Best Researchers in International Publishing - January 2022
- Shield of Scientific Excellence for the Best Researchers in International Publishing - January 2018
- Excellence Award (2010) as being the first of my 280 collages in Faculty of Engineering Shoubra, Mechanical Engineering Department.
- Best Master project (2014) from Mechanical Engineering Department Faculty of Engineering Shoubra.
- The second rank of the graduate student from high school on Governorate

PROFESSIONAL EXPERIENCE

- 2020 – Lecture at Mechanical Engineering Department Shoubra Faculty of Engineering Benha University.
- 2015 – 2020 Ph.D. student, Budapest University of Technology and Economics, Department of Energy Engineering
- 2014 – 2015 Assistant Lecturer -Mechanical Engineering Department Shoubra Faculty of Engineering -Benha University.
- 2010-2014 Demonstrator,-Mechanical Engineering Department Shoubra Faculty of Engineering Benha University.

Research Fields and Objectives:

Experimental and numerical heat transfer; solar energy equipment's; thermal properties of nanofluids; nanofluid synthesis; energy efficiency methods, power plant improvement, energy storage

Subjects of Education

Education duties in BSc, MSc, and Ph.D. levels Thermodynamics, Heat Transfer, Thermal Physics, Applied Thermodynamics

Industrial Projects

Site Engineer in Siemens Company establishing Abu Qir power plant, Alexandria, Egypt 2010 Maintenance Engineer at Lafarge – Cement factory Alexandria, Egypt 2011

SCHOLARSHIP, STUDY TOURS

- Bilateral State Scholarships offered by Tempus Public Foundation 2015
- The Executive Program of Egyptian Missions 2015

MEMBERSHIP

- Since 2011 member of staff of Mechanical Engineering Department Shoubra Faculty of Engineering -Benha University
- Egyptian Engineers Syndicate since 2010

OTHER SKILLS

Languages: Arabic – mother tongue
English – speak/write, presentation

Computer: MS Office and other MS Windows programs
AutoCAD, SOLIDWORKS, and Ansys

Research projects

- 1- project the Higher Education Excellence Program of the Ministry of Human Capacities in the frame of Nanotechnology research area of Budapest University of Technology and Economics (BME FIKP-NANO).
- 2- the Deputyship for Research & Innovation, Ministry of Education in Saudi Arabia funding through the project number 375213500
- 3- the National Research, Development and Innovation Fund (NKFIH) of Hungary in the frame NKFIH 116375
- 4- the scientific research fund, Benha university's first round for projects that serves national projects plan with a high contribution from the "Combustion and Energy Technology Lab", Shoubra Faculty of Engineering, Benha University, Egypt.

CONTACT PERSONS

1-Prof. Dr/ Gyula Grof

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2- Prof. Dr/Omid Mahian

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PUBLICATIONS List

<https://scholar.google.hu/citations?hl=ar&pli=1&user=iRMGWLUA AAAAJ>

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