

## **Curriculum Vitae**



Dr. Z.M.A. Abdelrahman lecturer of Physics, Department of Basic and Applied Sciences, Faculty of Engineering, Arab Academy for Science & Technology and Maritime Transport (AASTMT), Aswan Branch, Egypt.

### **PERSONAL DATA**

- Name: Zeinab Mahmoud Ahmed Abdelrahman
- Date of birth: September 02, 1980
- Place of birth: Aswan, Egypt
- Nationality: Egyptian
- Gender: Female
- Marital status: Married
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### **EDUCATION**

- Ph.D. in Solar Radiation Physics, South Valley University, Aswan, Egypt, Feb. 2018.

**Title of Thesis:** Simulation models to change the values of solar radiation that affected by weather factors and their impact on the performance of solar cells over Egypt.

- Master of Science: Atmospheric Physics, South Valley University, Qena, Egypt, Jul.2008.
- Bachelor of Science: Special physics, El Azhar University, Egypt, Sep. 2003.

### **ACADEMIC POSITIONS:**

- March 2018 to date: Lecturer of physics at Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- December 2014 – February 2018: Assistant lecturer of physics at Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- September 2013 – November 2014: Assistant lecturer of physics as a part time at Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- September 2010 – June 2013: Lecturer of physics at Faculty of Education, Qassim University, Buraidah, Kingdom of Saudi Arabia.

**TEACHING EXPERIENCE**

- Teaching physics courses in three Faculties: Faculty of Engineering, Faculty of Science and Faculty of Education Such as :  
Electrical, solid state, optical, electronics, electromagnetic and Biophysics.

**COMPUTER AND LANGUAGE SKILLS**

- 2014: ICDL (International Computer Driving Licence), European Computer Driving Licence Foundation, EGY.
- Languages:
  - Arabic: Mother tongue.
  - English: 2014, Local Institutional TOEFL, score: 510, Arab Academy for Science Technology and Maritime Transport, Cairo, Egypt. In addition, all my studies and teaching are in English

**CONFERENCES**

- 1 – 3 November 2016: The 3<sup>rd</sup> conference of youth researchers in Egyptian universities at Qena, Egypt.
- 17 – 20 April 2017: The 1<sup>st</sup> International conference on natural resources and renewable energy (ICNRRE 1) at Hurghada, Egypt.

**TRAINING COURSES**

- Has Successfully Completed Training Course for Educational Training in the period of 31 Augst to 04 September 2014 on the Arab Academy for Science Technology and Maritime Transport Branch Abu Qir, Alexandria, Egypt.
- Has Successfully Completed Training Course for International Publishing of Scientific Research in the period of 11-12 March 2018 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for SUPERVISING THESES & DISSERTATIONS in the period of 10-11 December 2018 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for WRITING PROJECT PROPOSALS ERASMUS PROGRAM in the period of 23-24 December 2018 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for Use of information technology in education in the period of 11-12 Feb.2019 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.

- Has Successfully Completed Training Course for WRITING RESEARCH PAPERS in the period of 8-9 JULY 2019 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for SPSS PROGRAM – Level 1 in the period of 03-04 NOVEMBER 2019 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for SPSS PROGRAM – Level 2 in the period of 10-11 NOVEMBER 2019 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for SPSS PROGRAM – Level 3 in the period of 17-18 NOVEMBER 2019 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for SPSS PROGRAM – Level 4 in the period of 09-10 DECEMBER 2019 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for Distance Learning in the period of 01-02 JUNE 2020 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.
- Has Successfully Completed Training Course for MOODLE in the period of 06-07 JULY 2020 on the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.

### **MANAGEMENT EXPERIENCE AND LEADERSHIP POSITIONS**

- 2018 to date: Head of the Basic and Applied Science department, Faculty of Engineering, Arab Academy for Science Technology and Maritime Transport South Valley Branch, Aswan, Egypt.
- 2010 – 2013 : Assistant head of Islamic department at Faculty of Education, Qassim University, Buraidah, Kingdom of Saudi Arabia.

### **PUBLICATIONS**

- Effects of magnetic field inclination and internal heat sources on nanofluid heat transfer and entropy generation in a double lid driven L-shaped cavity  
Thermal Science, 2019, Pages 325-325
- Mixed Bioconvective Flow Over a Wedge in Porous Media Drenched with a Nanofluid.  
Journal of Nanofluids, 2019  
Publication date 2019/12/1. Vol. 8, Issue 8, Pages 1692-1703
- Impact of Partial Slip on Magneto-Ferofluids Mixed Convection Flow in Enclosure.

Journal of thermal science and engineering applications, 2020

Vol.12 /051002-1, published online January 21, 2020. ( 13 pages)

- Bioconvection in oxytactic microorganism-saturated porous square enclosure with thermal radiation impact.

Journal of Thermal Analysis and Calorimetry, (2020)

Published online: 13 November 2019

Vol. 140:, Pages 2387–2395

## **AWARDS**

- Award of Scientific Publishing (2020) from the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.