

## Curriculum Vitae

# **TAHA SALAH EL-DIN MAHMOUD**

**Lecturer in mathematics**



### **1-Personal Data:-**

**Title** : Assistant Professor  
**Academic Grade** : Ph.D. (Mathematics)  
**Birth** : September 20, 1984  
**Nationality** : Egyptian.  
**Driving License** : Mast  
**Address** : El Sadaka El Gedida- Build 120-Flat 2 .-Aswan-Egypt.  
**Marital Status** : Married.  
**Phone** : (002)0100165960-(002)01144907044.  
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**Home Address** : The Arab Academy for Science Technology and Maritime Transport  
Branch South Valley, Basic and Applied Sciences Department,  
Faculty of Engineering, Aswan, Egypt.  
**E-Mail** : taha\_math@aast.edu  
taha\_salah1984@yahoo.com.  
**Current Work Address:** Assistant lecturer in mathematics at the Arab Academy  
For Science Technology and Maritime Transport.

### **2-Qualification:-**

**(i) Preceding University Degree** (Ph.D. Degree)

Degree: Ph.D. Mathematics

**Faculty/College:** Aswan Faculty of Science

**Major:** Applied Mathematics

**Date Degree Awarded:** July 2020

**University:** Aswan University, Aswan, Egypt.

**Title of the Thesis:** "Numerical Treatment For Some Problems Of Nanofluids Flow And Heat Transfer In Cavities Containing Obstacles"

**(ii) Preceding University Degree (Master Degree)**

Degree: M. Sc. Mathematics

**Faculty/College:** Aswan Faculty of Science

**Major:** Applied Mathematics

**Date Degree Awarded:** May 2017

**University:** Aswan University, Aswan, Egypt.

**Title of the Thesis:** "Computational Study For Some Problems Of Nanofluids Flow And Heat Transfer In Cavities With Partial Heating "

**(iii) Preceding University Degree (BA. Degree)**

Degree: B. Sc. Mathematics

Faculty/College: Aswan Faculty of Science

Date Degree Awarded: May 2005

University: Aswan University

Major: Mathematics (Very Good with Honor Degree)

**(iv) Preceding University Degree (BA. Degree)**

Degree: B. Sc. Physics

Faculty/College: Aswan Faculty of Science

Date Degree Awarded: May 2011

University: Aswan University

Major: Mathematics (Good)

**3- WORK EXPERIENCES AT:-**

- The Industrial Technical Institute (mathematics and physics).
- Arab Academy for Science, Technology and Maritime Transport, Aswan, Egypt.

#### **4-TEACHING COURSES**

- [BA123] Mathematics I
- [BA124] Mathematics II
- [BA223] Mathematics III
- [BA224] Mathematics IV
- [BA323] Mathematics V
- [BA329] Probability &Statistic
- [BA101] Calculus I
- [BA102] Calculus II
- [BA201] Calculus III
- [BA304] Linear Algebra
- [ABA101] Mathematics
- [BA123] Mathematics I
- [BA113] Physics I
- [BA114] Physics II

#### **5- RESEARCH AREAS OF INTEREST**

- Fluid Flow in Porous Media
- Heat and Mass Transfer in cavities
- Magnetohydrodynamics
- Nanofluids
- Hybrid nanoFluids
- Numerical/Mathematical Methods
- Obstacles in cavities

#### **6- LANGUAGES:-**

**Arabic** : Mother tongue.

**English: Excellent** Command of Spoken and Write English.

#### **7-COMPUTER SKILLS:-**

- International Computer Driving License (ICDL): Certificate in Computer Science from South Valley University, Training Center, Aswan, Egypt.
- Good user for all Microsoft Windows, Word, Excel, Power Point and Internet.
- Good user for Front Page program, Photoshop program, Origin 5, Fortran language, Mathematica Program, Surfer Program.

## **8- LIST OF PUBLICATIONS:**

1. R.S.R. Gorla, S. Siddiqua, M.A. Mansour, A.M. Rashad, **T. Salah**, (2017), Heat Source/Sink Effects on Natural Convection of a Hybrid Nanofluid-Filled Porous Cavity, *Journal Of Thermophysics And Heat Transfer* 3, 847-857.
2. A.M. Rashad, A.J. Chamkha, M.A. Ismael, **T. Salah**, (2018), Magneto-hydrodynamics natural convection in a triangular cavity filled with a Cu-Al<sub>2</sub>O<sub>3</sub>/water hybrid nanofluid with localized heating from below and internal heat generation, *Journal of Heat Transfer* 140(7) 072502.
3. A.M. Rashad, M.A. Mansour, R.S.R. Gorla, S. Siddiqua, **T. Salah**, (2019), Unsteady MHD Natural Convection Flow of Nanofluid in a Cavity Containing Adiabatic Obstacle with Heat Corners, *Journal of Advanced Thermal Science Research* 6, 43-50.
4. A.J. Chamkha, Rizk Yassen, Muneer A Ismael, A.M. Rashad, **T. Salah**, Hossam A Nabwey, (2020), MHD Free Convection of Localized Heat Source/Sink in Hybrid Nanofluid-Filled Square Cavity, *Journal of Nanofluids*. 9(1) 1-12.
5. S.E. Ahmed, M.A. Mansour, A.M. Rashad, **T. Salah**, (2020), MHD natural convection from two heating modes in fined triangular enclosures filled with porous media using nanofluids, *Journal of Thermal Analysis and Calorimetry* 139, 3133-3149.
6. R.S.R. Gorla, S. Siddiqua, Alfaisal A. Hasan, A.M. Rashad, **T. Salah**, (2020), MHD Mixed Convection in Copper-Water Nanofluid Filled Lid-Driven Square Cavity Containing Multiple Adiabatic Obstacles with Discrete Heating. *International Journal of Applied Mechanics and Engineering*, 25(2), 75-74.
7. A.M. Rashad, S.E. Ahmed, M.A. Mansour, **T. Salah**, H.A. Nabwey, Impact Of Heat Corners On Magneto-Nanofluids Natural Convection Flow In A Square Porous Cavity With Elliptical Blocks. *Journal of Porous Media*, (In Press)

## **9-AWARDS**

- Award of the best M. Sc. Thesis in (2017) from Aswan University, Egypt.
- Award of Scientific Publishing (2020) from the Arab Academy for Science Technology and Maritime Transport Branch South Valley, Faculty of Engineering, Aswan, Egypt.

## **10-PARTICIPATION IN ORGANIZATIONS AND BODIES**

- Member of The Egyptian Mathematical Society.

## **11-TRAINING COURSES**

- 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 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 I 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 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.