



Dr. Ahmed Salem Heilat

Curriculum Vitae

Personal information

Full Name Ahmed Salem Sa'ed Heilat.
Gender Male.
Date and Place of Birth 03 / 01 / 1977, *Irbid*, Jordan.
Marital Status Married.

Education

2014–2018 **Ph.D in Applied Mathematics**, *School of Mathematical Sciences*, University Science of Malaysia (USM), Malaysia, .

Research Interests

Description Numerical solution of second order two-point Boundary value problems.

Experience

2019–Present **Assistant Professor** , *Department of Mathematics*, Faculty of Science and Information Technology, Jadara University.

2000–2007 **Teacher**, *Ministry of Education*, Secondary School (Jordan).

2007–2014 **Teacher**, *in Abu Dhabi Education Council*, Al-Ain (United Arab Emirates).

Technical Skills

- Mathematica Experience: Linear algebra, Nonlinear Numerical Methods, Analytical Solutions, Plots Options, and Programming
- International Computer Driving License 2003 (ICDL)
- Applications:TEX, LateX, Bibtex, Microsoft Office,and others.
- Training course for new teachers 2000, Ministry of education (Jordan).
- Training course for new teachers 2007, Abu Dhabi Education Council (UAE).
- Workshop in the development of mathematics book (ADEC).
- Workshop in Wolfram mathematica 2014, University Science of Malaysia (USM).
- Well organized and excellent attention to detail.
- Can work under pressure and meet deadlines.
- Possess good skills in communication.
- Able to work independently, and complete work on time.

Courses Taught at University Level

- Numerical Analysis 1
- Ordinary Differential Equation 1
- Logic and set Theory.
- Calculus I , Calculus II
- Statistics and Probability 1
- Mathematical Methods

Mathematical Expertise

Description Fractional calculus, Differential Equation, Numerical and Analytical Methods for Solving Differential Equations.

Languages

Arabic **Mother tongue**
English **Good**

Publications

1. Heilat, A. S., Hamid, N. N. A., and Ismail, A. I. M. (2016). Extended cubic B-spline method for solving a linear system of second-order boundary value problems. *SpringerPlus* 2016:1314 (ISI Journal-Impact Factor: 0.982).
2. Heilat, A. S., and Ismail, A. I. M. (2016). HYBRID CUBIC B-SPLINE METHOD FOR SOLVING NON-LINEAR TWO-POINT BOUNDARY VALUE PROBLEMS. *International Journal of Pure and Applied Mathematics*, 110(2), 369-381 (Scopus Journal-Impact Factor: 0.6).