

# **Curriculum Vitae**

## **Personal Information:**

**Name:** ABEER SALMAN AlElaiw

Nationality : Saudi.

Marital Status: Married.

Profession: Assistant Professor in Mathematics.

Department of Mathematics and Statistics.

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## **Research Activities:**

Area of research : Differential Equations.

Specific Topic of Interest: Nonlinear Parabolic Problems, Nonlinear Ordinary Differential Equations of Higher Order, Stability, Global Existence and Uniqueness, Asymptotic Behavior, large time behavior.

## **Education, Diplomas:**

Ph. D. in Mathematics\*

Title : Study of the Existence and the Asymptotic Behavior of Global Solutions for Parabolic Systems with Nonlinear Gradient Terms.(2010)

Master in Mathematics\*

Title : Qualitative Study for Certain Non-Linear Differential Equations of Higher Order.(2004)

Bachelor of Science and Education in Mathematics\* (1997)

Diploma \*

Entitled : Art and Science of Neuro Linguistic Programming.(2011)

## **Teaching Activities:**

Ordinary Differential Equations, Partial Differential Equations, Mathematics for Science Physics, General Mathematics, Calculus1, Calculus2, Calculus 3, Calculus 4, General Mathematics, Complex functions, Linear Algebra, Group Theory, Topology, Foundation Geometry, Logic and Proof Techniques, Set Theory and Geometric transformation.

## **Publications:**

1- Sadek, A.I. and Al-Elaiw, A.S.; Asymptotic Behaviour of the Solutions of a Certain Fourth-Order Differential Equation, Ann. of Diff. Eqs., 20:3, 221-234 (2004).

2- Al-Elaiw A. and Tayachi S.; Global existence and large time behavior of solutions for parabolic systems with nonlinear gradients terms, International Journal of Pure and Applied Mathematics, Volume 58, No 3 , 333—359 (2010).

3- Al Elaiw A. and Tayachi S.; Different asymptotic behavior of global solutions for a parabolic system with nonlinear gradient terms; Journal of Mathematical Analysis and Applications; Volume 387, 970—992 (2012) .

4- Al Elaiw A. and Tayachi S.; Global existence of solutions for parabolic systems with nonlinear gradients terms, First Scientific Conference for students in higher education in Riyadh (2010).

### **Training courses:**

- 1- Institutional Quality Assurance, National Commission For Accreditation & Assessment, March 11-12/ 2006.
- 2- Quality Assurance for Educational Programs, National Commission For Accreditation & Assessment, April 15-16/ 2006 .
- 3- In improving the quality of work programs, National Commission For Accreditation & Assessment, 4-5/ 1/1428.
- 4- Profession Ethics, King Fahd University of Petroleum & Minerals, 7-8/4/1428 .
- 5- Course File, King Faisal University, November 29-30/ 2008 .
- 6- Engineering thinking and integrated into the curricula and courses, Imam Mohammad Ibn Saud Islamic University , 22-25/4/1430.
- 7- File achievement, King Faisal University, April 18/2011.
- 8- Evaluation methods, King Faisal University, April 18/2011.
- 9- Teaching strategies, King Faisal University, June 2/2011
- 10- Strategic Planning-Concept & Application , King Faisal University, May 30-31/ 2011.
- 11- In Program Planning, Delivery and evaluation, King Faisal University, November 2011.
- 12- Course Reoprt Workshop, King Faisal University, November 2015.

### **Other Research Actives:**

- 1-Member of the exanimating committee “Research and Article” report in Master Program “Stability of Ordinary Differential Equations of Higher Order” College of Science , King Faisal University semester II, 1437/1438.
- 2-Member of the exanimating committee “Research and Article” report in Master Program “Banach Principle Applications and Generalisations” College of Science , King Faisal University semester II, 1437/1438.
- 3-Member of the exanimating committee “Research and Article” report in Master Program “The Adomian decomposition method and Applications in Partial differential equations” College of Science , King Faisal University semester I, 1437/1438 .

### **Computer Skills:**

- 1- Operating System OS: Windows.
- 2-Editing: Latex, MS Word, MS Excel, MS Power Point, Internet Tools.

### **Language Skills:**

- 1- Arabic.
- 2- English.