

## Zakaria M. Alawneh

U.S Citizen  
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### **Objective**

Mathematics professional with strong analytical skills and proven record of academic and professional success seeking Mathematics Professor position

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### **Education**

Ph.D of Math	University of Arizona, Tucson – AZ - USA	1987-1990
M Sc of Math	University of Arizona, Tucson – AZ - USA	1984-1987
B Sc of Math	Yarmouk University, Irbid, Jordan	1976-1980

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### **Experience:**

Date	Position	Location		
2019-present	Associate Professor	Department of Math	Mu'tah University	Jordan
2015 -2019	Associate Professor	Department of Math	Tabuk University	K.S.A
2013 - 2015	Associate Professor	Department of Math	Mu'tah University	Jordan
2011 – 2013	Associate Professor	Department of Math	Umm al qura university	K.S.A
2008-2011	Associate Professor	Department of Math	Mu'tah University	Jordan

2007-2008	Head of Dept	Dept of Math & Phys. Sci. Dept	Nizwa University	Oman
2006-2007	Associate Professor	Department of Math	Mu'tah University	Jordan

2002-2006	Associate Professor	Department of Math and Comp	Qatar University <i><u>"FOUNDATION PROGRAMS UNIT"</u></i>	Qatar
1997-1999	Chairman	Head of Math & Stat Dept	Mu'tah University	Jordan
1990-2002	Assistant & Associate Professor	Department of Math	Mu'tah University	Jordan
1989-1990	Instructor	Department of Mathematics	Pima Community College \ Tucson	USA
1985-1990	Teaching and Research Assistant	Department of Mathematics	University of Arizona	USA
1980-1981	Registrar	Dept.of Admission & Registration	Yarmouk University	Jordan

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**Dissertation:**

<b>Title of dissertation</b>	<i>"A Numerical Method For Solving Certain Nonlinear Integral Equations Arising In Age-Structured Population Dynamics"</i>
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**Teaching Experience:** I have taught the following courses

Program	Courses
Bachelor	Calculus 1,2,&3 \ Ordinary Differential Equations 1&2 \ Partial Differential Equations \ Numerical Analysis 1&2 \ Complex Analysis 1&2 \ Linear Algebra \ Mathematical Methods \ Real Analysis 1&2  \ Integral Equations
Master	Differential Equations 701 \ Numerical Analysis 721 \ Functional Analysis 712 \ Complex Analysis 713 , Topics in Numerical Analysis 729. Topics in Differential Equations 709, Partial Differential Equations 703

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**Committees:** I have participated in the following committees :

Year(s)	Committee
2008 – 2019	A member of the Dept Graduate Study Committee
2014 - 2015	A member of the Dept's of Graduate Study Committee
2010 – 2011	A member of the College's of Graduate Study Committee
2006 -2007	A member of the College's → Investigating Committee with Students Also a member of the Dept Graduate Study Committee
2007 - 2008	A member of the Academic Council and several other Committees at Nizwa University \ Oman
2002 -2006	Several Committees at Qatar University

2000-2001	A member of the Temporary College of Science Council at Al-Hussein Bin Talal University
2001	A member of the College's First Science Day Committee
2000-2001	A member of the College's Scientific Research Committee
1998-1999 / 2006-2007	A supervisor of the supervising committee of the University Model School
1999 & 2001	A supervisor of the Students Union elections
1997/1998	A member of the University Council
1991/1992,1996/1997	A member of the College of Science Council
1990,..	Dept, of Math & Stat Council

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### **Graduate Student Advising**

2009 -2011	I am the Advisor of a Master's Degree Student
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### **Publications:**

	Title	Journal
1	ON THE EXISTENCE OF AT MOST ONE SOLUTION OF DIFFERENTIAL EQUATIONS OF NON-INTEGER ORDER	FAREAST JOURNAL OF MATHEMATICS
2	DIFFERENTIAL INEQUALITIES OF NON-INTEGER ORDER IN THE SENSE OF CARATHEODORY CONDITION	FAREAST JOURNAL OF MATHEMATICS

<b>3</b>	A CONTOUR INTEGRAL ASSOCIATED WITH GENERAL POLYNOMIALS	ACTA CIENICA INDICA
<b>4</b>	A SOLUTION OF THE PARTIAL DIFFERENTIAL EQUATION OF HEAT CONDUCTION IN A	ACTA CIENICA INDICA

	RADIATING BAR	
<b>5</b>	A NON EXPANSIVE MAP ON R	AL-MANSOORA UNIVERSITY JOURNAL
<b>6</b>	THE MINIMAX SOLUTION OF NON-INTEGER ORDER DIFFERENTIAL EQUATIONS	AL-MANSOORA UNIVERSITY JOURNAL
<b>7</b>	A SOLUTION OF THE PARTIAL DIFFERENTIAL EQUATION PERTAINING TO FREE OSCILLATIONS OF WATER IN A CIRCULAR LAKE	ACTA CIENICA INDICA
<b>8</b>	A SOLUTION OF THE PARTIAL DIFFERENTIAL EQUATION PERTAINING TO ANGULAR TWIST IN A SHAFT	ACTA CIENICA INDICA
<b>9</b>	SOME ANALYTICAL PROPERTIES OF SOLUTIONS OF DIFFERENTIAL EQUATIONS OF NON=INTEGER ORDER	INTERNATIONAL JOURNAL OF MATHEMATICS
<b>10</b>	A THEOREM PERTAINING TO TRANSCENDENTAL FUNCTIONS	To be published

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**Conferences:**

1. A Conference in Math Qatar 2005
2. A Conference on Applied Math and Applications India 2002
3. SWIRMS Conference on Modeling in Population Dynamics, USA 1995
4. The Second Jordanian Conference in Mathematics. Mu'tah 1994
5. A Workshop in Mathematics, Mu'tah 1993
6. The First Jordanian Conference in Mathematics, Amman 1991