Fatemah Abdullah Alghamdi

Assistant Professor

personal Data

Nationality | Saudi

Date of Birth | 18/08/1982

Department | Financial Sciences

Official IAU Email | faalghamdi@iau.edu.sa

Office Phone No. | __

Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others	__	__	__

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
PhD	29/07/2018	Swansea University	Swansea/ UK
Master	01/01/2009	King Abdullaziz University	Jeddah/ Saudi Arabia
Bachelor	01/08/2005	King Abdullaziz University	Jeddah/ Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Noncommutative Calculi, Modules and Cohomology
Master	The Effect of Geometry transformations on Manifolds and their groups
Fellowship	

Professional Record: (Beginning with the most recent)

Job Rank		Place and Address of Work		Date
Assistant Professor		Community College in Dammam		09/07/2018
Lecturer		Community College in Qatif		24/11/2010

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Deputy Head of the Financial and Administrative Department	25	2018-2019
Deputy Head of Computer Science in Qatif		2011-2012

Scientific Achievements

Published Refereed Scientific Researches
(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Habiba Elzohny , Taghrid Eman, Fatimah Al-Ghamdi	The Algorithm of the Calculation of Homology Group on Oriented Connected Simplicial Complexes	IJCSNS International Journal of Computer Science and Network Security,2009

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

Current Researches

#	Research Title	Name of Investigator(s)
1	Using differential calculi to construct Möbius coaction on the circle	Dr.Fatemah Alghamdi
2	The finite group algebra and positive map result	Dr.Fatemah Alghamdi Dr. Edwin Beggs
3	Bitcoin behavior against Gold and Dollar Analysis via VAR model during Covid-19 period	Dr.Haifa Frad Dr.Siham Bin zakour Dr.Fatemah Alghamdi
4	Eco-system of e-commerce The interrelationship between e-commerce, social media and online payment system using cointegration and ECM model	Dr.Haifa Frad Dr.Siham Bin zakour Dr.Fatemah Alghamdi Dr.Nesreen Raya

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	NONCOMMUTATIVE AND NON-ASSOCIATIVE ALGEBRAIC STRUCTURES IN PHYSICS AND GEOMETRY	Belfast, UK Aug 30 until Sep 2-2017	talk
2	Erasmus Course on "Homological Methods in Noncommutative Geometry	Cardiff 2017	attendance
3	Bitcoin behavior against Gold and Dollar Analysis via VAR	Cordoba-Spain 20202	Online attendance paper

model during Covid-19 period		

Membership of Scientific and Professional Societies and Organizations

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Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Computational Mathematics	MATH101	Teaching
2	Principle of Business Mathematics	MATH204	Teaching, Coordinator
3	Linear Algebra	MATH303	Teaching
4	Mathematics 1	MATH111	Teaching
5	Mathematics 2	MATH112	Teaching

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	Illustrate the mathematical operations of binary numbers and some mathematical applications in computer science.
2	Illustrate the basic mathematical concepts of linear and quadratic equations and calculus and their mathematical applications in economics.
3	Study of linear spaces, linear transformations, and linear systems.
4	Illustrate the basic mathematical concepts of linear and quadratic equations, linear and quadratic inequalities, groups, algebraic expressions, percentage, etc.
5	Illustrate the basic mathematical concepts such as logarithmic and exponential equations, trigonometric functions, matrices and so on.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			
2			

Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)

1	

2	

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
	Diploma	**23**		

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization

1	2018	2019	Deputy Head of the Financial and Administrative Department	**Community College in Dammam**
2	2011	2012	Deputy Head of Computer Science in Qatif	**Community College in Qatif**
3	2010	2011	Deputy Head / and the a head of exam center,	**Community College in Qatif**

Committee Membership

#	From	To	Position	Organization
1	2021	**Until now**	Member of the Program Development Committee	**Financial Sciences**
2	2021	**Until now**	Member of the Scientific Research	**Financial Sciences**
3	2018	**Until now**	Member of the scientific committee	**Financial Sciences**

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization

Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	**Latex**
2	Mathematica

Last Update

...27/8/2022