Lulwah M. AL-Essa

Assistant Professor

Personal Data

Department | **Mathematics**

Nationality | Saudi

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Office Phone No. | **Ex: 37082**

Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2015	PhD Degree	Ohio University	Athens, OH USA
2008	Master's degree	Ohio University	Athens, OH USA
2003	Bachelor's Degree	King Faisal University	Hofuf, Kingdom of Saudi Arabia

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

PhD	Modules over Infinite Dimensional Algebras
Master's degree	Scientific Excellence Award from Saudi Arabian Cultural Mission in the United States for the master's degree, 2008.
Master's degree	Award of the completion of the master's degree before the period specified from Saudi Arabian Cultural Mission in the United States, 2008.
Bachelor's Degree	Scientific Excellence Awards from King Faisal University at the end of each academic year, 2000-2003

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Assistant Professor	Imam Abdulrahman bin Faisal University	Dammam	Kingdom of Saudi Arabia	2016
Teaching Assistant	Ohio University	Athens, OH	United State of America	2014
Lecturer	University of Dammam	Dammam	Kingdom of Saudi Arabia	2013
Lecturer	King Faisal University	Hofuf	Kingdom of Saudi Arabia	2009
Teaching Assistant	King Faisal University	Hofuf	Kingdom of Saudi Arabia	2004

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Vice Dean for Graduate Studies and Scientific Research		2018-2020

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	Lulwah Al-Essa Sergio Lopez-Permouth Najat Muthana	Modules over infinite dimensional algebras, Linear and Multilinear Algebra	Linear and Multilinear Algebra, volume 66, number 3, pages 488-496, Taylor & Francis, 2018
2	Thanaa Alarfaj[1,2], Lulwah Al-Essa[1,2], Fatimah Alkathiri[1,2], Mohamed Majdoub[1,2]	GLOBAL EXISTENCE AND BLOW-UP FOR ONE-DIMENSIONAL WAVE EQUATION WITH WEIGHTED EXPONENTIAL NONLINEARITY	Journal of Applied analysis and computation
3	Sameh A. Hussein Anas A. M. Arafa Nawal Al-Malki Lulwah AL-Essa Abdelhafeez Elshekhipy Saad Almuaddi Taher Ghrib Nouf Al-Saleem Nehad Ibrahim	Irreversibility optimization on chemically reactive in MHD of radiated Powell-Eyring nanofluid flow with Arrhenius activation energy through Peristaltic micro vessel containing Planktonic microorganisms	Scientific Reports

Current Researches

#	Research Title	Name of Investigator(s)
1	Amenable basis in Leavitt Path Algebras	Sergio Lopez-Permouth Lulwah Al-Essa
2	Generators for Semimodules	Jawad Abuhlail Lulwah AL-Essa Nabeela Alsulaiman

Contribution to Scientific Conferences and Symposia

1. #	Conference Title	Place and Date of the Conference	Extent of Contribution
2.	2020 KAUST Saudi Leadership Program (KSLP)	Saudi Arabia, September 27 to October 6, 2020	Participate
3.	The Third International Conference on Mathematics and Statistics AUS-ICMS '20	SHARJAH, UAE February 6-9, 2020	Attend
4.	CLTHE Poster Exhibition	Dammam, Saudi Arabia, February 18-20	Present Action Research Posters
5.	Certificate and Fellowship program in Learning and Teaching in Higher Education at Imam Abdulrahman Bin Faisal University	Dammam, Saudi Arabia,	Participate as a member.

		8 workshop days (December 2-5, 2019 and February, 17-20 2020).	
6.	**Simple groups new perspectives and applications**	**Bristol University, Bristol, UK, 2018**	**Attend**
7.	ورشة عمل أساسيات القيادة الأكاديمية في جامعة الملك فيصل بالأحساء.	**Alahsa , Suadi Arabia 30/9/2018-1/10/2018**	**Attend**
8.	**The Imam Abdulrahman University IAU_College of Science Open House in KAUST**	**Jeddah, Saudi Arabia 28/2/2018**	**Attend**
9.	**Developing Core Competencies in Teaching and Learning Program (29)**	**Imam Abdulrahman bin Faisal University, Dammam, KSA, 2018**	**Attend**
10.	**Groups, Group Rings & Related Topics (GGRRT 2017)**	**Khorfakkan, UAE, 2017**	**Present a talk**
11.	**MAA MATHFEST**	**Columbus, OH, USA, 2016**	**Attend**
12.	**OSU-OU Ring Theory Seminars**	**Columbus, OH, USA, 2015**	**Present a talk**
13.	**32nd Ohio State Denison Conference**	**Columbus, OH, USA, 2015**	**Present a talk**
14.	**Ohio University Center of Ring Theory and its Applications**	**Ohio University, Athens, OH, USA, 2014**	**Present a talk**
15.	**Pi Day Poster Session**	**Ohio University Athens, OH, USA, 2012, 2013 and 2014**	**Present a poster**
16.	**Special Session on Rings and Module, AMS meeting**	**Akron, OH, USA 2012.**	**Attend**
17.	**Mathematics: It's all make sense**	**Ohio University, Athens, OH, USA, 2011**	**Attend**
18.	**Kent Regional Algebra Weekend**	**Kent State University, Kent, OH, USA, 2011**	**Attend**
19.	**Training Course in industry and the beginning of a journey of self-development**	**King Faisal University, Hofuf, KSA, 2009**	**Attend**
20.	**Algebra and its Applications, in honor of 70th Birthday of Professor S. K. Jain**	**Ohio University, Athens, OH, USA, 2008**	**Participate in the preparation for Conference**
21.	**Management seminar sections of students in universities challenges and ambitions**	**King Faisal University, Hofuf, KSA, 2006**	**Attend**
22.	**the gathering of the second project of e-learning and distance learning education institutions**	**King Faisal University, Hofuf, KSA, 2005**	**Participate in the preparation the gathering**
23.	**Open Day for Mathematics Department**	**King Faisal University, Hofuf, KSA, 2004-2005**	**Participation**

Membership of Scientific and Professional Societies and Organizations

- **Saudi Association for mathematical Sciences**
- **American Mathematical Society**

Teaching Activities

Undergraduate

#	Course/Rotation Title
1	Number Theory
2	Algebra (2)
3	Algebra (1)
4	Casuals (1)
5	Linear Algebra
6	General Mathematics
7	Principles of Mathematics
8	Math
9	Principles of Algebra

Postgraduate

#	Course/Rotation Title
1	Advanced Algebra
2	Field Training Course

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Presentation	My story of Abstract Algebra	College of sciences, Mathematics department	2018

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

#	From	To	Position	Organization
1	2019	date	Vice dean of college of science for postgraduate and scientific research	College of Science
1	2017	date	Coordinator	development committee for undergraduate program in mathematics department
2	2015	2016	Coordinator	Math Club in Mathematics department
3	2008	2009	Coordinator	8th excellence awards ceremony of female students at King Faisal University
4	2005	2006	Coordinator	5th excellence awards ceremony of female students at King Faisal University

Committee Membership

#	From	To	Position	Organization
1	2008	date	Member	The committee of Development of science outputs
2	2007	date	Member	The Advisory Committee for the Directorate of Curriculum and Academic Programs

#	From	To		
3	2016	2017	Member	Academic Research committee in Mathematics department
4	2005	2006	Member	26th Graduation Ceremony for the female students at King Faisal University
5	2004	2005	Member	4th excellence awards ceremony committee of female students at King Faisal University
6	2005	2006	Member	The Public Relations Committee in the college of Science at King Faisal University
7			Participation	Cultural Activities at King Faisal University
8	Many times		Participation	The National Center for Students Assessment in Higher Education many times

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2010	2015	member	Muslim Student Association (MSA), Athens, OH
2	2015	date	Mintor	Alumni and Career Development Center

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

1	Latex
2	Computer

Last Update

2/2023