



# Essa Abdullah Ali Alibraheim

Assistant Professor

## Personal Data

Nationality | Saudi

Department | Curriculum & Instruction

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## Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓

## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2019	Ph.D. in Mathematics Education	Florida Institute of Technology	Melbourne, FL, the United States
2017	M.Sc. in Mathematics Education	Florida Institute of Technology	Melbourne, FL, the United States
2015	M.Ed. in Mathematics Education	Plymouth State University	Plymouth, NH, the United States
2008	B.Ed. in Mathematics	(Now) Imam Abdulrahman Bin Faisal University	Dammam, Saudi Arabia

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

PhD	Demographic Factors Affecting Freshman Engineering Students' Attitudes Toward Mathematics at a University in Saudi Arabia
Master	Enriching Elementary Mathematics Curriculum for Gifted Students



**Professional Record: (Beginning with the most recent)**

Job Rank	Place and Address of Work	Date	
		From	To
Assistant Professor	Department of Curriculum & Instruction Imam Abdulrahman Bin Faisal University Dammam, Saudi Arabia	2020	Present
Lecturer	Department of Curriculum & Instruction Imam Abdulrahman Bin Faisal University Dammam, Saudi Arabia	2015	2020
Instructor/Teaching Assistant	Department of Curriculum & Instruction University of Dammam Dammam, Saudi Arabia	2011	2015
Teacher	Ministry of Education Al-Ahsa, Saudi Arabia	2008	2011

**Administrative Positions Held:**

Administrative Position	Office	Date
Director of Quality & Academic Accreditation Unit	College of Education	2021
Secretary of the main committee for self-evaluation and self-study for the accreditation of the programs of the College of Education	College of Education	2021
Head of the Quality & Academic Accreditation Committee	Department of Curriculum & Instruction	2021
Chairman of the committee for preparing the Quality Assurance Manual of the College of Education	College of Education	2022
Chairman of the committee for preparing the College of Education Risk Management Plan	College of Education	2023
Committee member preparing the Higher Diploma in English as a Medium of Instruction	Department of Curriculum & Instruction	2023
Member of the Self-Study Review Committee for the accreditation of the Master's Program in Special Education (Learning Difficulties)	College of Education	2023



Member of the Self-Study Review Committee for the accreditation of the Master's Program in Educational Foundations	College of Education	2023
Member of the Self-Study Review Committee for the accreditation of the Bachelor of Education in Kindergarten	College of Education	2023
Member of the Quality and Academic Accreditation Committee for graduate Programs	Deanship of Graduate Studies	2024
Committee member preparing the Higher Diploma program in STEM	Department of Curriculum & Instruction	2024
Committee member for reviewing and developing the Master of Education in Curriculum & Instruction - Mathematics	Department of Curriculum & Instruction	2024
Risk Manager of Education College	College of Education	2024
Member of the Self-Study Review Committee for the accreditation of the Master's Program in Educational Technology	College of Education	2024
Member of the Self-Study Review Committee for the accreditation of the Master's Program in Education Management	College of Education	2025

### 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	<b>Alibraheim &amp; Fowler</b>	Examining the Gender Differences Among Saudi Scholarship Students' Attitudes toward Mathematics in the United States	The International Journal of Humanities Education 2019
2	<b>Alibraheim</b>	Investigating the Attitudes toward Mathematics for the Saudi Scholarship Students in the United States	The International Journal of Science, Mathematics and Technology Learning 2020



3	<b>Alibraheim</b> & Al-hussary	The Effectiveness of a Training Program in the Development of Mathematical Concepts and Skills Among Social Studies Teachers	Palarch's Journal of Archaeology of Egypt/Egyptology 2021
4	<b>Alibraheim</b> & Al-hussary	Investigating Pre-service Elementary Teachers' Mathematical Power	Psychology and Education 2021
5	<b>Alibraheim</b>	Factors Affecting Freshman Engineering Students' Attitudes Toward Mathematics	Eurasia Journal of Mathematics, Science and Technology Education 2021
6	<b>Alibraheim</b> & El-Sayed	Exploring Female Undergraduate Education Students' Perceptions of Collaborative Online Project-Based Learning (COPBL)	Eurasia Journal of Mathematics, Science and Technology Education 2021
7	<b>Alibraheim</b> , Hassan, & Albuainain	The Use of Internet Services by Female Graduate Students in Girls Colleges Central Library (GCCL), Imam Abdulrahman Bin Faisal University	International Journal of Innovation, Creativity and Change 2021
8	<b>Alibraheim</b> & Alsaad	Barriers to the Use of Technology in Education and Methods to Address from Teachers' Perspectives	Journal of Positive Psychology and Wellbeing 2022
9	<b>Alibraheim</b> , Hassan, & Soliman	The Effect of Different Interaction Patterns in E-training Environments in Developing the Skills of Producing Interactive Lessons for Middle School Mathematics Teachers	Eurasia Journal of Mathematics, Science and Technology Education 2022
10	<b>Alibraheim</b> , Hassan, & Soliman	Impact of a Digital Repository on Producing e-Courses for Mathematics Teachers	International Journal of Learning, Teaching and Educational Research 2022
11	Alromaih, Elsayed, & <b>Alibraheim</b>	Study of Project-Based Learning to Improve the Instructional Design Process of Pre-service Early Childhood Teachers	International Journal of Information and Education Technology 2022
12	<b>Alibraheim</b> & Al-hussary	Are Saudi Graduate Students Tolerant of Non-Muslims?	International Journal of Instruction 2023
13	<b>Alibraheim</b> , Taifour & Alsaad	A Reading about the Effects of Distance Learning During Coronavirus Pandemic "COVID-19" on Education: A Literature Review	Res Militaris 2023



14	<b>Alibraheim, &amp; Almubayreek</b>	Investigating the Relationship Between Female Teachers' Self-Efficacy and their Practice of Next Generation Science Standards	Journal of Positive School Psychology 2023
15	<b>Alibraheim &amp; Taifour</b>	The Relationship between Mothers' Educational Levels and their Children's Academic Performance	Pegem Journal of Education and Instruction 2023
16	<b>Alibraheim, Hassan, &amp; Soliman</b>	Efficacy of educational platforms in developing the skills of employing augmented reality in teaching mathematics	Eurasia Journal of Mathematics, Science and Technology Education 2023
17	Youssef, <b>Alibraheim</b> , Helal, & AlOhali	Peer Flipped Learning in Financial Mathematics: Enhancing Academic Achievement and Mathematical Thinking in College of Science Students	Migration Letters 2023
18	<b>Alibraheim</b> , Youssef, Helal, AlOhali, Almuaddi, & Barakat	Cultivating Calculus Excellence: Smart Learning and Peer Tutoring for Math Empowerment in Female Science College Students	Migration Letters 2024
19	<b>Alibraheim &amp; Al-Dhafeeri</b>	Coding the Equation: Unraveling the Dynamics between AI-Driven Mathematics Instruction and Student Anxiety in High Schools	Kurdish Studies 2024
20	<b>Alibraheim &amp; Alkhaldi</b>	Unlocking numerical sense: An in-depth analysis of teaching practices among mathematics teachers in primary schools	Eurasia Journal of Mathematics, Science and Technology Education 2024
21	Youssef & <b>Alibraheim</b>	Self-Regulated Learning Strategies Among Graduate Students and Their Relationship with Statistics Anxiety	Education Sciences 2025
22	Tayfour & <b>Alibraheim</b>	Revolutionizing Elementary Mathematics Education Through Virtual Labs	International Electronic Journal of Elementary Education 2025
23	<b>Alibraheim</b>	Teachers' Perceptions: What Happened After More Than 10 Years of Developing the Mathematics Textbook	Eurasia Journal of Mathematics, Science and Technology Education 2025



## Books

#	Name of Author(s)	Book Title	Publisher and Date of Publication
1	<b>Alibraheim</b>	Methodology in preparing and discussing educational thesis	Almotanabi Bookshop 2021
2	<b>Alibraheim</b>	Educational statistics and its applications in the field of Curriculum and Instruction	Imam Abdulrahman Bin Faisal University 2022
3	<b>Alibraheim &amp; Al-hussary</b>	Teacher and teaching strategies	Dar Massira 2024
4	<b>Alibraheim</b>	Inferential educational statistics	Imam Abdulrahman Bin Faisal University 2025

## Translated Books (from English to Arabic)

#	Name of Translator(s)	Book Title	Publisher and Date of Publication
1	<b>Alibraheim &amp; El-Sayed</b>	Sampling Method for Online Survey	Dar Reyadah 2021

## Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	<b>Alibraheim</b>	Attitudes Towards Mathematics: Confirmatory Factor Analysis for an Arabic Version of the Short Measurement Instrument	The (virtual) International Conference on Education in the Arab World: Problems and Solution 2021

## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	NHTM's 51st Spring Conference, The Standards for Mathematical Practice	NHTI-Concord's Community College, Concord, NH 2014	Attendance



2	The First Conference on Excellence in Science and Mathematics Teaching and Learning “STEM”	King Saud University, Riyadh, Saudi Arabia 2015	Poster presentation
3	Twenty-Second Annual Conference of the Association of Mathematics Teacher Educators	The Westin Galleria Houston, TX 2018	Attendance
4	The (virtual) International Conference on Education in the Arab World: Problems and Solution	Mecca, Saudi Arabia 2021	Speaker
5	Conference of recent trends in building study programs in university education	Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia 2021	Organizing Committee
6	Equitable Instructional Practices for Mathematical Modeling	Seoul National University 2022	Attendance
7	How to Get Published Webinar Series - Peer Review	SAGE 2022	Attendance
8	How to Get Published Webinar Series – Open Access and Author Rights	SAGE 2022	Attendance
9	Virtual International Conference 2023: Recent trends in teaching and learning science and mathematics	Qatar University 2023	Attendance
10	How to Get Published Webinar Series – How to convert a thesis or dissertation into a manuscript	SAGE 2023	Attendance
11	How to select the right journal for you in Scopus? – Arabic session	Elsevier 2023	Attendance
12	How to Get Published Webinar Series – How to convert a thesis or dissertation into a manuscript	SAGE 2023	Attendance
13	Scopus Journal Indexing Criteria (Arabic Session)	Elsevier 2023	Attendance
14	How to Get Published Webinar Series – Image Integrity	SAGE 2023	Attendance
15	Ethics & Research Integrity	SAGE	Attendance



		20/10/2023	
16	Exploring Boundless Horizons: Unveiling Research Secrets from Saudi Scholars	Elsevier 4/10/2023	Attendance
17	How to Be a Peer Reviewer, Sage Open: Journal	SAGE 02/04/2024	Attendance
18	How to write a paper: Quantitative methodology	SAGE 03/04/2024	Attendance
19	Guiding students and researchers on the art of ChatGPT	SAGE 17/04/2024	Attendance
20	Beyond the Pages: How eBooks Are Transforming Teaching and Libraries	SAGE 17/04/2024	Attendance

#### Membership of Scientific and Professional Societies and Organizations

- New Hampshire Teachers of Mathematics (United States)
- Association of Mathematics Teacher Educators (United States)
- American Psychological Association (United States)

#### Local and International Awards

#	Name	Date / Country
1	Menofia University Award for Scientific Authorship in the Literary Field – for contributing to the co-authorship of the book "Teacher and Teaching Strategies" with Prof. Kamel D. El-hussary.	2024 / Egypt
2	Annual Prize for the Second Track of Students Research Publishing Initiative 2024	2025 / Saudi Arabia Imam Abdulrahman Bin Faisal University

#### Reviewer of Scholarly Journals

#	Journal Title	Database
1	AERA Open	Web of Science
2	Academia Letters	Academia.edu
3	Eurasia Journal of Mathematics, Science and Technology Education	Scopus
4	International Journal of Information and Education Technology	Scopus
5	International Journal of Learning, Teaching and Educational Research	Scopus
6	International Journal of Instruction	Scopus
7	Journal of Mathematics Teacher Education	Web of Science /





		Scopus
8	Cogent Education	Web of Science / Scopus
9	Review of Educational Research	Web of Science / Scopus
10	Qeios	Qeios.com
11	Early Childhood Research Quarterly	Web of Science / Scopus
12	Teaching and Teacher Education	Web of Science / Scopus
13	Education and Information Technologies	Web of Science / Scopus
14	Millah: Journal of Religious Studies	uui.ac.id
15	Sage Open	Web of Science / Scopus
16	International Journal of Educational Research	Web of Science / Scopus
17	International Electronic Journal of Elementary Education	Scopus
18	Academia Mental Health and Well-Being	Academia.edu
19	Sustainability (Switzerland)	Web of Science, & Scopus

## Teaching Activities

### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Mathematics	MATH101	Lectures / Four Semesters
2	Mathematics	MATH103	Lectures / One Semester
3	Principles of Business Mathematics	MATH114	Lectures / One Semester
4	Statistics	STAT 132	Lectures / One Semester
5	Teaching Methods 4 (Mathematics)	CURC 408N	Lectures / Three Semesters
6	lectures Design & Development	CURC 415N	Lectures / One Semester
7	Building Curriculum Development	CURC 142N	Lectures / One Semester
8	Teaching strategies	CURC 501N	Lectures / One Semester
9	Special teaching methods (kindergarten)	CURC 334N	Lectures / Three Semesters
10	Practical Training	CURC 426N	Three Semesters



## Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Advanced language Skills	ENGL 504	Lectures / One Semester
1	Constructive Evaluation in Teaching Management Principles	MGMT 505	Lectures / Two Semesters
2	Methods & Curriculums of Computer Science at the High School Level	CUTM 508	Lectures / One Semester
3	Critical Thinking Curricula in general education levels	CUTM 507	Lectures / One Semester
4	Teaching Methods of Management	CUTM 512	Lectures / One Semester
5	Methods of Digital Skills Teaching	TTECH 525	Lectures / One Semester
6	Practicum	SPEDU 512	Lectures / Two Semesters
7	Curriculum Theory & Design	CUTM 601	Lectures / Two Semesters
8	Readings in Curriculum & Instruction in English	CUTM 603	Lectures / One Semester
9	Planning and Development in the field of curriculum & Instruction	CUTM 610	Lectures / Two Semesters
10	Advanced Strategies in Teaching Mathematics	CUTM 652	Lectures / One Semester
11	Mathematics Curriculum Development	CUTM 651	Lectures / One Semester
12	Planning and Development of Teacher Education Programs	CUTM 611	Lectures / Three Semesters
13	Planning and developing curriculum in light of 21st century skills	CUTM 605	Lectures / One Semester
14	Computer applications in mathematics education	CUTM 650	Lectures / One Semester
15	Thesis	CUTM 699	Supervisor
16	Master's Thesis	CUTM 600	Supervisor

## Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Undergraduate	77	2020	Present
2	Higher Diploma	10	2022	Present
3	Graduate	6	2020	Present



### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master	Self-efficacy of science teachers at the intermediate stage and its relationship to the practice of science standards for the next generation	Imam Abdulrahman Bin Faisal University	2022
2	Master	The level of mathematics teachers' uses of Artificial Intelligence Applications and its Relationship to Mathematical Anxiety Among Secondary School Students in the State of Kuwait	Imam Abdulrahman Bin Faisal University	2023
3	Master	The level of teaching practices of mathematics teachers to develop number sense skills among fourth grade female students	Imam Abdulrahman Bin Faisal University	2023
4	Master	Effectiveness of The Virtual Laboratory in Teaching Mathematics to Develop Mathematical Power and Tendency Towards Mathematics Among Elementary School Students in Kingdom of Bahrain	Imam Abdulrahman Bin Faisal University	2023
5	Master	Developing the teaching performance of primary school mathematics teachers in light of the content knowledge framework model, teaching skills, and technology	Imam Abdulrahman Bin Faisal University	2024

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
1	Master	Effectiveness of developing a proposed mathematics teaching unit in enhancing creative thinking skills among third-grade elementary school students	Imam Abdulrahman Bin Faisal University	2024

### Participate in Committees for Master and/or PhD Thesis.

#	Degree Type	Title	Institution	Date
1	Master	The effectiveness of divergent thinking strategies in teaching mathematics on developing mathematical prowess among secondary school students	Imam Abdulrahman Bin Faisal University	2021



2	Master	The Effectiveness of the Driver Model in Teaching Mathematics to Develop Conceptual Understanding for Intermediate School Female Students	Imam Abdulrahman Bin Faisal University	2022
3	Master	The Effect of Serious Creativity Strategies in Teaching Mathematics on Developing Probing Thinking Skills and Self-Efficacy Among High School Female Students	Imam Abdulrahman Bin Faisal University	2022
4	Master	The effectiveness of a developed study unit based on project-based learning according to the STEM approach in developing mathematical interdependence skills among middle school students.	Imam Abdulrahman Bin Faisal University	2022
5	Master	Self-efficacy of science teachers at the intermediate stage and its relationship to the practice of science standards for the next generation	Imam Abdulrahman Bin Faisal University	2022
6	Master	The Effect of Different Types of Digital Storytelling Format (Video - Virtual Reality) on Developing Geometrical Concepts & Visual Thinking with The Primary Stage Students	Imam Abdulrahman Bin Faisal University	2022
7	Master	The level of mathematics teachers' uses of Artificial Intelligence Applications and its Relationship to Mathematical Anxiety Among Secondary School Students in the State of Kuwait	Imam Abdulrahman Bin Faisal University	2023
8	Master	The level of teaching practices of mathematics teachers to develop number sense skills among fourth grade female students	Imam Abdulrahman Bin Faisal University	2023
9	Master	Effectiveness of The Virtual Laboratory in Teaching Mathematics to Develop Mathematical Power and Tendency Towards Mathematics Among Elementary School Students in Kingdom of Bahrain	Imam Abdulrahman Bin Faisal University	2023
10	Master	Developing the teaching performance of primary school mathematics teachers in light of the content knowledge framework model, teaching skills, and technology	Imam Abdulrahman Bin Faisal University	2024



11	Master	The extent to which secondary school mathematics teachers practice dialogic teaching according to Alexander's theory	Imam Abdulrahman Bin Faisal University	2025
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**Last Update**

24/01/2025