



Dr Areen Al-Khateeb

A high honor PhD graduate with 10+ years face to face and Online teaching and almost 6 years Online teaching and research experience, seeking an opportunity to undertake associate professor position in the field of mathematics and looking forward to continue with a challenging position as assistant professor in the education sector.

Personale Information	Place of Birth	Jordan - Irbid
	Date of Birth	Nov. 18, 1987
	Nationality	Jordanian
	Marital Status	Married with 3 children
Contact Information	Email	Khateb1987@live.com Areen.k@jadara.edu.jo
	Mobile	+962 779474718
	Google scholar	https://scholar.google.com/citations?hl=ar&user=JliKp6MAAAAJ&view_op=list_works&sortby=pubdate
	Website	http://jadara.edu.jo/sections.php?type=mod_staffdetails&stid=10367&facid=0&secid=1
Language		Arabic: Native Speaker
		English: Very good

Research (google scholars)	Citation	232	All Since 2021 <table><tr><td>Citations</td><td>232</td><td>220</td></tr><tr><td>h-index</td><td>9</td><td>9</td></tr><tr><td>i10-index</td><td>9</td><td>9</td></tr></table> 2019 2020 2021 2022 2023 2024 2025 2026 90 45 0	Citations	232	220	h-index	9	9	i10-index	9	9
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i10-index	9	9										
<u>h-index</u>	9											
<u>i10-index</u>	9											

Research (Scopus)	Citation	194	Al-Khateeb, Areen Jadara University, Irbid, Jordan • Scopus ID: 57208128148 • Connect to ORCID  Show all information
	h-index	9	

Education

Education	Topic	University	Starting Date	End Date	CGPA
PhD of Mathematics	Thesis Topic: Stability, Existence and Uniqueness of Boundary Value Problems for a Coupled System of Fractional Differential Equations	Eastern Mediterranean University, EMU, Cyprus https://www.emu.edu.tr/en	Spring 2017	Spring 2019	CGPA 4/4 (High Honor)
Master of Mathematics	Thesis Topic: On q-Analogue and (p,q)-Analogue of Gamma and Beta Functions.	Eastern Mediterranean University, EMU, Cyprus https://www.emu.edu.tr/en	Fall 2015	Spring 2017	CGPA 4/4 (High Honor)
Bachelor of Mathematics	Bachelor of Science in Mathematics	Jordan University for Science and Technology, JUST http://www.just.edu.jo/Pages/Default.aspx	fall 2005/2006	Spring 2008/2009	GPA = 73 (GOOD)
High school	General Jordanian Secondary Education	Jordan	2004	2005	83.2

Employment and experience

Over 10 years of experience as part time lecturer, researcher, and research assistant

Experience	Duty	Starting Date	End Date
Vice Dean of Scientific Research	Supporting the Dean in leading and managing scientific research activities, overseeing research programs and projects, coordinating research initiatives, monitoring research performance, and contributing to strategic planning, policies, and quality improvement in scientific research.	Oct-01-2025 Until Now	
Assistant Dean of the Faculty of Science for Quality and Development Affairs	Supporting quality assurance and institutional development activities within the Faculty of Science, including monitoring academic quality standards, accreditation requirements, performance indicators, improvement plans, and continuous development initiatives.	Oct-01-2024 Until Oct-01-2025	
Assistant Dean of Scientific Research	Assisting in the management and development of scientific research activities, supporting research projects and publications, coordinating research initiatives, and contributing to the implementation of research policies and quality standards.	Oct-01-2024 Until Oct-01-2025	
Head of the Department of Journals and Scientific Research Units http://jadara.edu.jo/deanships.php?type=mod_deanship&dnid=241&flag=staff	Working as a head of the department of Journals and Scientific Research Units at Jadara University typically involves overseeing the publication process of academic journals, managing scientific research projects, coordinating research activities, fostering collaboration among researchers, and ensuring compliance with ethical standards and publication guidelines. They may also be responsible for budgeting, staffing, and strategic planning within their department.	Oct-01-2023 Until Oct-01-2024	

Head of Mathematics department http://www.jadara.edu.jo/	Working as Head of Mathematics department at Jadara University, teaching the following courses for undergraduate programs: • Leading and managing the department to ensure effective delivery of mathematics courses and programs. • Developing and implementing departmental policies, procedures, and strategies to achieve the department's objectives and goals. • Developing, reviewing, and updating the mathematics curriculum to ensure that it is current and meets the needs of students. • Providing guidance and support to mathematics faculty in their teaching, research, and service activities. • Collaborating with other departments and institutions to enhance the quality and scope of mathematics education. • Overseeing the recruitment, retention, and professional development of mathematics faculty.	Oct-01-2022 Until Oct-01-2023	
Full time assistant prof at Jadara University, Jordan , http://www.jadara.edu.jo/	Working as Full time assistant prof at Jadara University, teaching the following courses for undergraduate programs:	Oct-01-2019 Until now	
	✓ Pre-calculus		
	✓ Calculus 1		
	✓ Calculus 2		
	✓ Probability		
	✓ Statistics		
	✓ Mathematics for business		
	✓ Linear Algebra 1		
	✓ Graduate research		
	✓ Set Theory		
	✓ Numerical Analysis		
Part time lecturer at Eastern Mediterranean University, Cyprus https://www.emu.edu.tr	Working as part time instructor in Eastern Mediterranean University, teaching the following courses on undergraduate level during 5 semesters.	Feb-09 – 2017	July-16-2019
	✓ Pre-calculus		
	✓ Calculus 1		
	✓ Calculus 2		
	✓ Probability		
	✓ Statistics		
	✓ Discrete Mathematics		
	✓ Linear Algebra 1		
	✓ Real Analysis		
	✓ Linear Algebra 2		

	✓ Numerical Linear Algebra		
	✓ Fractional Differential Equations		
	✓ Partial Differential Equations		
	✓ Ordinary Differential Equations		
	✓ Functional Analysis		
Research Assistant at Eastern Mediterranean University, Cyprus https://www.emu.edu.tr	Working as both collaborative researcher and research assistant in Eastern Mediterranean University, focused on the following topics.	Oct-15 – 2015	Jan-17 - 2017
	✓ Fractional Differential Equations		
	✓ Partial Differential Equations		
	✓ Special Functions		
	✓ Advanced Fractional Calculus		
Mathematics teacher at RAYA college in Saudi Arabia	4 years of experience as lecturer at RAYA college in Saudi Arabia, in charge of the following tasks.	Sep-10 - 2010	Aug-14 - 2014
	✓ Teaching mathematics course Calculus 101, 102		
	✓ Monitoring and evaluating the overall academic performance of students		
	✓ Preparing course structure and lecture material		
	✓ Administrating and marking exams		

Publication

Journal Name & Index	Article Title and link	Year
Journal of Fuzzy Extension and Applications	A Dual-Algorithmic Neutrosophic Structured Element Framework for Solving Linear Complementarity Problems	2026
Statistics, Optimization and Information ComputingOpen source preview	Hyperfuzzy and SuperHyperfuzzy Weighted Averages	2026
Gulf Journal of Mathematics	EXISTENCE, UNIQUENESS, AND CONTINUOUS DEPENDENCE OF THE SOLUTION TO A HYPERBOLIC EQUATION WITH AN UNKNOWN COEFFICIENT	2026
2026 International Conference on Artificial Intelligence for Sustainable Engineering and Innovation, AISEI 2026	The Integration of Business Intelligence and Blockchain Technology during the Generative Artificial Intelligence Era	2026
2026 International Conference on Artificial Intelligence for Sustainable Engineering and Innovation, AISEI 2026	AI-Enhanced Fractional-Order SIRS Model for Memory-Aware Epidemic Forecasting	2026
2026 International Conference on Artificial Intelligence for	AI-Based Predictive Risk Intelligence for Smart and Sustainable IT Project Systems	2026

Sustainable Engineering and Innovation, AISEI 2026		
2026 International Conference on Artificial Intelligence for Sustainable Engineering and Innovation, AISEI 2026	A Multi-Modal AI Decision Framework for Video Content Moderation Using FNSS, Deep Learning, and NLP	2026
2026 International Conference on Artificial Intelligence for Sustainable Engineering and Innovation, AISEI 2026	Circular Economy in Modular Construction	2026
International Journal of Mathematics and Mathematical Sciences	A Solution of an Intuitionistic Fuzzy Time-Fractional Diffusion Equation Using a Modified Explicit Finite Difference Scheme	2026
Journal of Mathematics	A Comprehensive Study on Exact and Numerical Methods for Solving the Neutrosophic Fuzzy Advection–Diffusion Equation	2026
Fractal and Fractional	Analysis of a Coupled System of Implicit Fractional Differential Equations of Order $\alpha \in (1, 2]$ with Anti-Periodic Boundary Conditions	2025
Progress in Fractional Differentiation and Applications	Stability and Uniqueness of Ulam–Hyers for Nonlinear Sequential Fractional Differential Equations with nonseparated Boundary Conditions	2025
Progress in Fractional Differentiation and Applications	A Solution of Fuzzy Time Fractional Diffusion Equation by Modified Natural Daftardar-Jafari Method	2025
International Journal of Neutrosophic Science	Fermatean Neutrosophic Soft Set	2025
Image Analysis and Stereology	A NEW FRACTIONAL APPROACH FOR THE HIGHER-ORDER q-TAYLOR METHOD	2024
International Journal of Neutrosophic Science	Intuitionistic Possibility Fermatean Fuzzy Soft Sets	2024
International Journal of Mathematics and Mathematical Sciences	Stability and Uniqueness Results for the Nonseparated Boundary Conditions of Nonlinear Coupled System of Fractional Differential Equations	2024
Axioms (Q1)	Efficient Numerical Solutions for Fuzzy Time Fractional Convection Diffusion Equations Using Two Explicit Finite Difference Methods	2024
Applied Mathematics & Information Sciences (Q2)	Improving Numerical Solutions for the Generalized Huxley Equation: The New Iterative Method (NIM)	2023
Symmetry (Q1)	Leray–Schauder Alternative for the Existence of Solutions of a Modified Coupled System of Caputo Fractional Differential Equations with Two Point’s Integral Boundary Conditions A Al-Khateeb, H Zureigat, K Abuasbeh, E Fadhal Symmetry 15 (4), 863	2023

International Journal of Fuzzy Logic and Intelligent Systems (Q1)	Numerical Solution of Fuzzy Heat Equation with Complex Dirichlet Conditions H Zureigat, A Al-khateeb, E Abuteen, S Abu-Ghurra International Journal of Fuzzy Logic and Intelligent Systems 23 (1), 11-19	2023
International Journal of Environmental Research and Public Health (Q1)	Numerical Solution for Fuzzy Time-Fractional Cancer Tumor Model with a Time-Dependent Net Killing Rate of Cancer Cells H Zureigat, M Al-Smadi, A Al-Khateeb, S Al-Omari, S Alhazmi International Journal of Environmental Research and Public Health 20 (4), 3766	2023
Fractal and Fractional (Q1)	Fourth-Order Numerical Solutions for a Fuzzy Time-Fractional Convection–Diffusion Equation under Caputo Generalized Hukuhara Derivative H Zureigat, M Al-Smadi, A Al-Khateeb, S Al-Omari, SE Alhazmi Fractal and Fractional 7 (1), 47	2022
Rocky Mountain Journal of Mathematics (Q3)	Uniqueness and stability of coupled sequential fractional differential equations with boundary conditions A Al-khateeb, A Hazaymeh, R Hatamleh, N Al Odat Rocky Mountain Journal of Mathematics 52 (4), 1227-1236	2022
Fractal and Fraction (Q1)	Ulam–Hyers Stability and Uniqueness for Nonlinear Sequential Fractional Differential Equations Involving Integral Boundary Conditions A Al-khateeb, H Zureigat, O Ala'yed, S Bawaneh Fractal and Fractional 5 (4), 235	2021
Mathematics (Q1)	Existence and stability results on Hadamard type fractional time-delay semilinear differential equations N Mahmudov, A Al-Khateeb Mathematics 8 (8), 1242	2020
Journal of Inequalities and Applications (Q1)	Existence and Ulam–Hyers stability of coupled sequential fractional differential equations with integral boundary conditions NI Mahmudov, A Al-Khateeb Journal of Inequalities and Applications 2019, 1-15	2019
Mathematics (Q1)	Stability, existence and uniqueness of boundary value problems for a coupled system of fractional differential equations NI Mahmudov, A Al-Khateeb Mathematics 7 (4), 354	2019
Mathematics (Q1)	On a coupled system of fractional differential equations with four point integral boundary conditions NI Mahmudov, S Bawaneh, A Al-Khateeb Mathematics 7 (3), 279	2019

Proceedings of International Conference on Fractional Differentiation	On a Coupled System of Fractional Differential Equations With Integral Boundary Conditions A Al-Khateeb, S Bawane'h Proceedings of International Conference on Fractional Differentiation	2018
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Conference (web of science)

#	Conference Name	Status	Article	Link
1	FIRST ONLINE CONFERENCE ON MODERN FRACTIONAL CALCULUS AND ITS APPLICATIONS (OCMFCA-2020)	published	Existence and Stability of Coupled sequential fractional Differential Equations with Boundary Conditions	http://www.ntmsci.com/Conferences/OCMFCA2020
2	IETC 2019 - International Educational Technology Conference	published	analytical algorithm for Stability of Differential Equations with Integral Boundary Conditions	http://www.iet-c.net/
3	Proceedings of International Conference on Fractional Differentiation and its Applications (ICFDA) 2018, Amman, Jordan	published	On a Coupled System of Fractional Differential Equations with Integral Boundary Conditions	https://ssrn.com/abstract=3281322 or http://dx.doi.org/10.2139/ssrn.3281322
4	The 6 International Conference on Control and Optimization with Industrial Applications, 11-13 July, 2018, Baku, Azerbaijan	published	On a coupled system of fractional differential equations with integral boundary conditions	http://www.coia-conf.org/upload/editor/files/C_OIA_2018_V1.pdf
5	International Conference on Contemporary Issues in Education ICCIE 2017, Cyprus	published	Cloud Computing Architectural Design Model for Scientific Research and Unified Education System	http://www.cmdconf.net/2017/proceedings.pdf#page=181

Research Projects

#	Research Project Name	Period/ Month	Start date	End Date	funded by
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1	Analytical solution for Finite-time stability of a class of oscillating systems with two delay using Mathematica.	Four	15-Jan-19	14-May-19	Graduate Studies and Research Institute, Eastern Mediterranean University https://www.emu.edu.tr/en/research/research-centers/766
2	Stability simulation of three-point non-linear boundary-value problems using Mathematica.	Three	3-Apr-18	2-Jul-18	
3	Numerical -Analytic Method to the Investigation of nonlinear boundary-value problems of a certain type with nonlinear boundary conditions	Six	27-Jun-18	26-Dec-18	
4	On q-Analogue and (p,q)–Analogue of Gamma and Beta Functions	Three	1-Feb-16	30-Apr-16	

Academic Volunteer Work

#	Duty	Journal Name	Starting Date	Link
1	Associate Editor	Online Journal of Art and Design	2017	http://www.adjournal.net/
2	Reviewer	European Journal Of Science and Mathematics Education	2018	http://scimath.net/
3	Assistant Editor in Chief	Online Mathematics Journal (OMJ)	2019	http://www.onlinemathematics.net/

Computer and Programming Skills

Computer skills	Mathtype	Upper Intermediate
	Microsoft Office	Professional
	Adobe Photoshop	Intermediate

Personal Skills

- ✓ Excellent track record and experience of teaching mathematics at undergraduate level.
- ✓ Experienced in helping students understand mathematical concepts and developing interest for the subject.
- ✓ Ability to develop constructive relationship with students and guide them in developing their academic skills and performance.
- ✓ Great passion for teaching mathematics and dealing with student's educational problems.
- ✓ Skilled in observing and assessing academic strengths and weaknesses of students and working on them.

- ✓ Strong interpersonal skills and interested in collaborating with colleagues and students in research and extra-curriculum academic activities.
- ✓ Excellent academic writing and search skills.
- ✓ Comfortable with working in dynamic and complex situations.
- ✓ Proficient in the territory language (native Arabic speaker) and English (Other Languages being an asset).
- ✓ Highly focused, energetic, and conscientious.

Interested research area in

#	Area	Topic
1	Fractional Differential Equations	Stability, Existence and Uniqueness of Boundary Value Problems, Computational Analytical and numerical solution
2	q -calculus or quantum calculus	On q-Analogue and (p,q)–Analogue of Gamma and Beta Functions.
3	Differential Equations	Stability of Differential equations with delays
4	Fuzzy Set theory	Fuzzy fractional differential equations, Numerical solution of fuzzy

References

#	Name	Position	Email	Web Page
1	Prof. Habes Hatamleh	President of Jadara university	habes@jadara.edu.jo	http://jadara.edu.jo/eng/university.php?type=mod_councils&flag=4
2	Prof. Shawkat Alkhazaleh	Dean of Faculty of Science and Information Technology	s.alkhazaleh@jadara.edu.jo	http://www.jadara.edu.jo/departments.php?type=mod_profile&stid=10405&dptid=168
3	Prof. Dr. Nazim Mahmudov	Chair, Department of Mathematics, EMU	nazim.mahmudov@emu.edu.tr	http://staff.emu.edu.tr/nazim_mahmudov/en
4	Prof. Dr. MEHMET ALİ OZARSLAN	Dean of Art And sciences faculty, Department of Mathematics, EMU	mehmetali.ozarslan@emu.edu.tr	https://math.emu.edu.tr/en/about-us/staff/staff-detail?sid=279&n=mehmet-ali-ozarslan