

Date: 9/4/2025



CURRICULUM VITAE

PERSONAL INFORMATION

Faculty Member Name: **Yousef Ali Abed Al-Qudah**

Academic Rank: **Associate professor**

College: **Arts and Sciences**

Department: **Department of Mathematics**

Nationality: **Jordanian**

Address: **Amman , Jordan.**

Phone No: **00962778433933**

E-mail: **y.alqudah@aaup.edu.jo**

ACADEMIC QUALIFICATIONS

Degrees with fields, institution, and date

Ph.D. in Mathematics, Universiti Kebangsaan Malaysia (UKM), Malaysia. 2016- 2019

Excellent rating.

Theses title: » Complex Multi-Fuzzy Set and Its Generalizations «

Advisor: Assoc. Prof. Dr. Nasruddin Hassan.

M.Sc. in Mathematics, Universiti Kebangsaan Malaysia (UKM), Malaysia. 2015 - 2016

Excellent rating.

Theses title: » Complex Multi-Fuzzy Set «

M.Sc. in Measurement and Evaluation, Yarmouk University (YU), Jordan. 2008 - 2010

Very Good rating.

B.Sc. in Mathematics, Jerash Private University (JPU), Jordan. 2000 - 2004

Very Good rating.

دائرة الموارد البشرية
Human Resources Department

ACADEMIC EXPERIENCE

| Duration | University | Academic Rank | Date the rank was granted | The body granted the rank | College/ Department | Country |
|-----------------------|---|---------------------|---------------------------|---------------------------|--|--------------|
| 8/9/2025-till present | Amman Arab University | Associate professor | 8/9/2025 | Amman Arab University | Faculty of Arts and Sciences/ Mathematics Department | Jordan |
| 12/10/2019-7/9/2025 | Amman Arab University | Assistant professor | 12/10/2019 | Amman Arab University | Faculty of Arts and Sciences/ Mathematics Department | Jordan |
| 2/2019-6/2019 | Philadelphia University | Assistant professor | | | Department of Basic and Mathematics | Jordan |
| 2024/8-2024/6 | Princess Sumaya University For Technology | Assistant professor | | | Department of Basic Sciences | Jordan |
| 2011- 2014 | King Saud University | Lecturer | | | preparatory year deanship | Saudi Arabia |
| 2004-2011 | Ministry of Education | Teacher | | | | Jordan |

NON-ACADEMIC EXPERIENCE

| Duration | Institution | College/ Department | Country |
|----------------------|---|---|---------|
| 19/10/2023-1/4/2025 | Vice Dean for Arts And Science Faculty Amman Arab University | Faculty of Arts and Sciences | Jordan |
| 12/9/2021- 10/9/2022 | Dean for Arts And Science Faculty Amman Arab University | Faculty of Arts and Sciences | Jordan |
| 3/4/2021-11/9/2021 | Head of the Department of Mathematics Amman Arab University | Faculty of Arts and Sciences/ Mathematics Department | Jordan |
| 3/4/2021-11/9/2021 | Head of Department of Human And Scientific Basic Courses Amman Arab University | Faculty arts and Sciences | Jordan |
| 2020-2022 | Head of the measurement and calendar unit Amman Arab University | Faculty of Arts and Sciences | Jordan |

CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

- ❖ Gained a high pass in TOT "trainer of trainers" course and gained certificates from London academy "LARD", Speakers and Trainers international, and Education experts "EDEX".
- ❖ Workshop on Mathematics teaching and learning By Dr. Mark Saul, February 8th 2014.
- ❖ Program and workshop on mathematics education by Dr. Mark Saul, March 2nd 2013.

دائرة الموارد البشرية
Human Resources Department

- ❖ Participation in training workshops for faculty members, since 2019, including:
 - Preparing the Course File and Continuous Improvement Training.
 - Using Modern Technologies in Teaching.
 - Designing and Preparing Courses According to the Type of Education
 - Training Course for Springer Database.
 - Mechanisms for Implementing E-Learning and Blended Learning.
 - Academic Supervision of Theses.
 - Jordanian Accreditation for Academic Programs.
 - International Accreditations for Programs and Academic Rankings
 - University Regulations and Instructions.
 - Academic Promotions, Publishing, and Research Ethics
 - Blended Learning and Asynchronous Activities and Their Impact on Course Plans.
 - Strategic Planning.
 - Leadership and Management.
 - Designing Interactive Online Courses.
 - Principles of Support and Incentives in Publishing Scientific.
 - Plagiarism Detection Using Turnitin.
 - Creating an Account on Google Scholar and Using Google Forms to Create, Administer, and Analyze Surveys.

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Member of the Jordanian Scientific and Cultural Talents Association, 2020- till now.

HONORS AND AWARDS

- None

SERVICE ACTIVITIES

- Member of Scientific Research Council at Amman Arab University, 2021-2022.
- Member of the Syllabus Committee at Amman Arab University, 2022- till now.

دائرة الموارد البشرية
Human Resources Department

- Chair / Member of many Academic Committees at the College and Department Levels, Amman Arab University, since 2019, including:
 - **Curriculum Committee:** Development and organization of academic curricula.
 - **Quality Assurance and Qualifications Placement Committee:** Ensuring the quality of education and the alignment of students' qualifications.
 - **Scientific Research Committee:** Promoting and developing scientific research at the university.
 - **Academic Program Effectiveness Evaluation Committee:** Assessing the impact of academic programs on students.
 - **Student Disciplinary Committee:** Addressing issues related to student discipline and sanctions.
 - **Examination Committee:** Organizing and coordinating academic examinations.
 - **E-Learning Integration Committee:** Promoting the use of technology in teaching and learning.
 - **Academic Advising Committee:** Providing academic guidance and support to students.
 - **E-Learning Committee:** Developing and implementing e-learning strategies at the university.

THE MOST IMPORTANT PUBLICATIONS IN LAST FIVE YEARS

2025

- **Al-Qudah, Y.,** Hamadameen, A.O., Kh, N.A., Al-Sharqi, F. **2025.** A new generalization of interval-valued Q-neutrosophic soft matrix and its applications. International Journal of Neutrosophic Science, 25(3), 242–257. [Scopus: Q1].
DOI: <https://doi.org/10.54216/IJNS.250322>
- Hussein, E., **Al-Qudah, Y.,** Hamadameen, A.O., Al-Obaidi, R.H., Al-Jawarneh A.S., Abdullah, ., Al-Sharqi, F., Owledat, A. **2025.** Matrices and Correlation Coefficient for possibility interval-valued neutrosophic hypersoft sets and their applications in real-life. International Journal of Neutrosophic Science, 26 (1) , pp. 254-265. [Scopus: Q1].

DOI: <https://doi.org/10.54216/IJNS.260122>

- **Al Qudah, Y.,** Ganie, A.H., Jaradat, A., Islam, A.U. **2025.** Applications of some new q-rung orthopair fuzzy distance measures and knowledge measures in classification and decision-making problems. *Journal of Multiple-Valued Logic and Soft Computing*. Accepted , June 30, 2024. **[Scopus: Q1]**.
- Bataihah, A., Hazaymeh, A.A., **Al-Qudah, Y.** and Al-Sharqi, F., **2025.** Some Fixed Point Theorems in Complete Neutrosophic Metric Spaces for Neutrosophic ψ -Quasi Contractions. *Neutrosophic Sets and Systems*, 82, pp.1-16. **[Scopus: Q1]**.

DOI: <https://doi.org/10.5281/zenodo.14960868>

- Hussein, E., **Al-Qudah, Y.,** Jaradat, H.M., Al-Sharqi, F., Elnajar, S. and Jaradat, A., **2025.** Similarity measure and sine exponential measure of possibility interval-valued neutrosophic hypersoft sets and their applications. *Neutrosophic Sets and Systems*, 81, pp.41-61. **[Scopus: Q1]**. DOI: <https://doi.org/10.5281/zenodo.14810922>
- Hazaymeh, A. **Al-Qudah, Y.** Al-Sharqi, F. Bataihah, A. 2025 . A novel Q-neutrosophic soft under interval matrix setting and its applications. *International Journal of Neutrosophic Science*, 25(4), 156-168. **[Scopus: Q1]**. DOI: <https://doi.org/10.54216/IJNS.250413>

2024

- **Al Qudah, Y.,** Ganie, A.H. & Hamadameen, A.O.2024. A spherical fuzzy knowledge measure with its application in the identification of the best hazardous waste transportation firm. *International Journal of Information Technology*. **[Scopus: Q1]**. DOI: <https://doi.org/10.1007/s41870-024-02200-6>
- **Al-Qudah, Y.** Jaradat, A., Sharma, S.K. and Bhat, V.K. 2024. Mathematical analysis of the structure of one-heptagonal carbon nanocone in terms of its basis and dimension. *Physica Scripta*, 99(5), p. 055252. **ISI (IF: 2.9), [Scopus: Q1]**. DOI: <https://doi.org/10.1088/1402-4896/ad3add>

- **Al-Qudah, Y.** 2024. A robust framework for the decision-making based on single-valued neutrosophic fuzzy soft expert setting. *Neutrosophic Sets and Systems*, 23(2), p. 195-210 **[Scopus: Q1]**. DOI:10.54216/IJNS.230216

- Ganie, A.H., Gheith, N.E.M., **Al-Qudah, Y.,** Ganie, A.H., Sharma, S.K., Aqlan, A.M. and Khalaf, M.M., 2024. An innovative Fermatean fuzzy distance metric with its application in classification and bidirectional approximate reasoning. *IEEE Access* 12(2024): 4780 - 4791. **ISI (IF: 3.9), [Scopus: Q1]**. DOI:10.1109/ACCESS.2023.3348780

2023

- Al-Qudah, Y. and Ganie, A.H., **2023**. Bidirectional approximate reasoning and pattern analysis based on a novel Fermatean fuzzy similarity metric. *Granular Computing*, 8(6), pp. 1767–1782. [Scopus: Q1]. DOI:10.1007/s41066-023-00396-9
- Alahmadi, R.A., Ganie, A.H., Al-Qudah, Y., Khalaf, M.M. and Ganie, A.H., **2023**. Multi-attribute decision-making based on novel Fermatean fuzzy similarity measure and entropy measure. *Granular Computing*, 8(6), pp. 1385–1405. [Scopus: Q1]. DOI:10.1007/s41066-023-00378-x
- Al-Sharqi, F., Al-Qudah, Y. and Alotaibi, N., **2023**. Decision-making techniques based on similarity measures of possibility neutrosophic soft expert sets. *Neutrosophic Sets and Systems*, 55, pp. 358–382. [Scopus: Q1]. DOI:10.5281/zenodo.7832770
- Al-Qudah, Y. , Al-Sharqi, F., Mishlish, M., M. Rasheed, M. **2023**. Hybrid integrated decision-making algorithm based on AO of possibility interval-valued neutrosophic soft settings. *International Journal of Neutrosophic Science (IJN)*. Vol. 22, No. 03, PP. 84-98. [Scopus: Q1]. DOI:10.54216/IJNS.220306
- Al-Qudah, Y. , Al-Sharqi, F. **2023**. Algorithm for decision-making based on similarity measures of possibility interval-valued neutrosophic soft setting settings. *International Journal of Neutrosophic Science (IJN)*. Vol. 22, No. 03, PP. 69-83. [Scopus: Q1]. DOI:10.54216/IJNS.220305

2022

- Al-Qudah, Y., Khaleed Alhazaymeh, K., Hassan, N., Qoqazeh, H., Almousa, M. and Alaroud, M. **2022**. Transitive Closure of Vague Soft Set and its Operators, *International Journal of Fuzzy Logic and Intelligent Systems* 22 (1) 2022, pp. 59-68.(), [Scopus: Q1]. DOI:10.5391/IJFIS.2022.22.1.59
- Al-Qudah, Y. , Alaroud, M., Qoqazeh, H., Jaradat, A., Alhazmi S. E., Al-Omari, S. **2022**. Approximate Analytic-Numeric Fuzzy Solutions of Fuzzy Fractional Equations Using a Residual Power Series Approach. *Symmetry*, 14(4), 804 ISI (IF: 2.9), [Scopus: Q1]. DOI:10.3390/sym14040804

2021

- Alaroud, M. and Al-Qudah, Y. **2021**. A Novel Attractive Algorithm for Handling Systems of Fractional Partial Differential Equations. *WSEAS Transactions on Mathematics* 20(3):524-539. [Scopus: Q2]. DOI:10.37394/23206.2021.20.56

- Qoqazeh, H., Al-Qudah, Y., Almousa, M. and Jaradat, A. 2021. On D-Compact Topological Spaces. *Journal of Applied Mathematics and Informatics* 39 (5_6), 883-894. [Scopus: Q3]. DOI:10.14317/jami.2021.883
- Atoom A., Qoqazeh, H., Al-Qudah, Y., Jaradat, A. and N.A Alkishik. 2021. Pairwise Lindelo Perfect Functions. *Journal of Mathematical and Computational Science* 11 (6), 7634-7648. [Scopus]. DOI: 10.28919/jmcs/6655

2020

- Alhazaymeh, K., Al-Qudah, Y., Hassan, N. and Nasruddin, A.M. 2020. Cubic Vague Set and its Application in Decision Making. *Entropy*. *Entropy* 22(9): 963. ISI (IF: 2.7), [SJIR: Q1]. DOI:10.3390/e22090963
- Almousa, M., Al-Zuhairi, I., Al-Qudah, Y. and Qoqazeh, H. 2020. Solution of Heat and Wave Equations using Mahgoub Adomian Decomposition Method. *International Advance Journal of Engineering Research* 3(1):07-13. [Scopus].
- Almousa, M., Al-Zuhairi, I., Al-Qudah, Y. and Qoqazeh, H. 2020. Mahgoub Adomian Decomposition Method For Solving Newell-Whitehead-Segel Equation. *International Journal of Mathematics and Statistics Invention* 8(1):22-24.
- Al-Zuhairi, I., Al-Qudah, Y., Chammam, W., Khalaf, M., El moasry, A., Qoqazeh, H. and Almousa, M. 2020. Fuzzy Parameterized Complex Multi-Fuzzy Soft Expert Set in Prediction of Coronary Artery Disease. *Journal of Progressive Research in Mathematics* 16 (4): 3133- 3157.
- Al-Qudah, Y., Yousafzai, F., Khalaf, M.M. and Almousa, M. 2020. On (2; 2)-regular Non-associative Ordered Semigroups via Its Semilattices and Generated (Generalized Fuzzy) Ideals. *Mathematics and Statistics* 8(3): 353-362. [Scopus: Q3]. DOI:10.13189/ms.2020.080315

2019

- Al-Qudah, Y., Hassan, M. and Hassan, N. 2019. Fuzzy parameterized complex multi-fuzzy soft expert set theory and its application in decision making. *Symmetry* 11(3): 358. ISI (IF: 2.7), [Scopus: Q1]. DOI:10.3390/sym11030358
- Al-Qudah, Y. and Hassan, N. 2019. Complex multi-fuzzy soft expert set and its application. *International Journal of Mathematics and Computer Science* 14(1): 149-176. (Scopus), [Scopus: Q2].

INSTITUTIONAL PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS

RESEARCH LINK (Scopus and Google Scholar)

Scopus profile: <https://www.scopus.com/authid/detail.uri?authorId=57194409164>
Google scholar profile: <https://scholar.google.com/citations?user=J0fY-ocAAAAJ&hl=en>
Research gate profile: https://www.researchgate.net/profile/Yousef_Alqudah

LANGUAGES

- Arabic: Mother tongue.
- English: good (Speaking, Reading and Writing).