

# DR. MAJDOLEEN ABUQAMAR

Last update on March 14, 2024

**Position:** Assistant Professor, Department of Mathematics, Jadara University

**MAIL:** mjabuqamar@gmail.com, m.abuqamar@jadara.edu.jo

• Scopus • Researchgate • GScholar • ORCID

---

## Summary

Majdoleen Zayed Abuqamar. I obtained my PhD degree from the National University of Malaysia (UKM) in 2020. Since that, I have worked as a part-time assistant professor at Jordan University of Science and Technology (JUST) for three semesters and at Philadelphia University for three semesters. During that I have taught several mathematics and statistics courses. Additionally, I have the ability to teach different mathematics courses.

My recent research interest is in algebra, specifically logical algebra. I have many research papers published in this area, all are in Scopus and SCI-indexed journals; they are all listed on the above-shown websites. Further, I have been a referee for several Scopus and SCI journals.

In the classroom, I try my best to be as clear as possible

to make the lecture logical and well-organized. I motivate the students to acquire as many advantages as they can by encouraging them to consult the appropriate references for each course. In addition, I encourage and assist students in thinking independently by holding talks, listening to their viewpoints, and facilitating brainstorming sessions. In each course, I provide the students with the course syllabus, which clearly outlines the objectives of the course with adequate references, and approximate dates of assessments, together with a clear distribution of the material over weeks. When writing the exam questions, I make sure that these questions actually fit in with the course objectives. I prioritize the lecture time and am quite picky about it. I treat my students with kindness and respect. I really believe an effective educator needs to be kind, fair, and firm.

---

## EDUCATION

- PhD, Mathematics NATIONAL UNIVERSITY OF MALAYSIA, MALAYSIA 2017 – 2020
    - Title of Thesis: Some Algebraic Models under Q-Neutrosophic Soft Setting
    - Advisor: Prof. Dr. Abd Ghafur Ahmad
    - Co-Advisor: Assoc. Prof. Dr. Nasruddin Hassan
  
  - M.Sc., Mathematics YARMOUK UNIVERSITY, JORDAN 2009 – 2012
    - Title of Thesis: The Jones and the Tutte Polynomials of Rational Links
    - Advisor: Dr. Khaled Qazaqzeh
    - Cumulative Average: 81.9% (Very Good Rating)
  
  - B.Sc., Mathematics YARMOUK UNIVERSITY, JORDAN 2005 – 2009
    - Cumulative Average: 77% (Very Good Rating)
    - Placed on honor list:  
First semester 2006/2007, Second semester 2006/2007, Second semester 2008/2009
  
  - General Secondary Education Certificate TABARIYA SECONDARY SCHOOL, JORDAN 2004 – 2005
    - Scientific Stream
    - Cumulative Average: 84.2
- 

## TEACHING EXPERIENCE

- Full Time Assistant Professor, Jadara University, Jordan, March 2024-Present
- Part Time Assistant Professor, Philadelphia University, Jordan, (First semester 2023/2024, Second semester 2021/2022, Second semester 2020/2021)
- Part Time Assistant Professor, Jordan University of Science and Technology, Jordan, (First, Second and Summer semesters) 2021/2022
- Full Time Lecturer, Al-Maarefa College, Saudi Arabia, 2014-2017

- Part Time Lecturer, Ajloun National University, Jordan, 2012-2013
  - Teaching Assistant, Yarmouk University, September 2010 to January 2012
  - Part Time Teacher, Ministry of Education, Jordan, October 2009 to January 2010
- 

## TAUGHT COURSES

- Calculus I
  - Calculus II
  - Principles of Mathematics
  - Linear Algebra I
  - Discrete Mathematics
  - Number Theory
  - Biostatistics
  - Principles of Statistics and Probability
- 

## RESEARCH INTERESTS

Abstract Algebra, Fuzzy Algebra, Graph Theory, Knot Theory, Set Theory

---

## PUBLICATIONS

Note. ISI: The Journal is listed in Clarivate Analytics

SCOPUS: The Journal is listed in SCOPUS Database

1. Al-Masarwah, A., Alqahtani, M., and Abuqamar, M. (2022). Groups and structures of commutative semigroups in the context of cubic multi-polar structures. *Symmetry* 14, 1493 (SCOPUS, SJR, ISI Q1).
2. Jun, Y.B., Al-Masarwah, A., and Abuqamar, M. (2022). Rough semigroups in connection with single valued neutrosophic ideals. *Neutrosophic Sets and Systems* 51, 783-796 (SCOPUS, SJR, ISI INDEXED [ESCI]).
3. Abuqamar, M., Ahmad, A.G. and Hassan, N. (2022). The algebraic structure of normal groups associated with Q-neutrosophic soft sets. *Neutrosophic Sets and Systems* 48, 328- 338 (SCOPUS, SJR, ISI INDEXED [ESCI]).
4. Abuqamar, M., Hassan, N. and Ahmad, A.G. (2020). On Q-neutrosophic soft fields. *Neutrosophic Sets and Systems* 32, 80-93 (SCOPUS, SJR, ISI INDEXED [ESCI]).
5. Abuqamar, M., Hassan, N. and Ahmad, A.G. (2019). An approach to Q-Neutrosophic Soft Rings. *AIMS Mathematics* 4, 1291-1306 (SCOPUS, SJR, ISI Q1).
6. Abuqamar, M., Hassan, N. (2019). Characterizations of group theory under Q-neutrosophic soft environment. *Neutrosophic Sets and Systems* (SCOPUS, SJR, ISI INDEXED [ESCI]).
7. Abuqamar, M., Hassan, N. and Ahmad, A.G. (2019). Introduction to Q-neutrosophic soft fields. *Proc. Of The 6th International Arab Conference on Mathematics and Computations*.
8. Abuqamar, M. and Hassan, N. (2019). An approach toward a Q-neutrosophic soft set and its application in decision making. *Symmetry* 11, 139 (SCOPUS, SJR, ISI Q1).
9. Abuqamar, M. and Hassan, N. (2019). On Q-neutrosophic subring. *Journal of Physics conference series* .1212, 012018 (SCOPUS).
10. Abuqamar, M. and Hassan, N. (2018). Q-neutrosophic soft relation and its application in decision making. *Entropy* 20, 172 (SCOPUS, SJR, ISI Q2).
11. Abuqamar, M. and Hassan, N. (2018). Entropy, measures of distance and similarity of Q-neutrosophic soft sets and some applications. *Entropy*. 20, 672 (SCOPUS, SJR, ISI Q2).
12. Abuqamar, M. and Hassan, N. (2018). Generalized Q-neutrosophic soft expert set for decision under uncertainty. *Symmetry* 10, 621 (SCOPUS, SJR, ISI Q1).
13. Al-Masarwah, A. and Abuqamar, M. (2018). Certain types of fuzzy soft graphs. *New Mathematics and Natural Computation*. 8(4), 427-438 (SCOPUS, ISI INDEXED).

14. Qazaqzeh, K., Yasien, M. and Abuqamar, M. (2016). The Jones polynomial of rational links. *Kodai Mathematical Journal*. 39(1), 59-71 (SCOPUS, ISI Q3).
  15. Al-Masarwah, A. and Abuqamar, M. (2016). Some new concepts of fuzzy soft graphs. *Fuzzy Information and Engineering*. 8(4), 427-438 (SCOPUS, ISI INDEXED).
- 

## CONFERENCES

1. The 6th International Arab Conference on Mathematics and Computations (IACMC 2019), Zarqa University, Jordan, 24-26 April 2019.
  2. The 19th Postgraduate Colloquium of the Faculty of Science and Technology, UKM, Malaysia, 10-12 April 2019.
  3. The 14th International Symposium on Geometric Function Theory and Applications (GFTA 2018), Selangor, Malaysia, 3-5 December 2018.
- 

## REFEREEING FOR INTERNATIONAL JOURNALS

- Soft Computing
  - Neutrosophic Sets and Systems
  - International Journal of Fuzzy System Applications
  - International Journal of Neutrosophic Science
  - IETE Journal of Research
  - Cognitive Computation
- 

## CERTIFICATES OF APPRECIATION

1. Certificate of publication for the article titled "Groups and structures of commutative semigroups in the context of cubic multi-polar structures", *Symmetry Journal*.
  2. Certificate of publication for the article titled "An approach toward a Q-neutrosophic soft set and its application in decision making", *Symmetry Journal*.
  3. Certificate of publication for the article titled "Generalized Q-neutrosophic soft expert set for decision under uncertainty", *Symmetry Journal*.
  4. Certificate of publication for the article titled "Entropy, measures of distance and similarity of Q-neutrosophic soft sets and some applications", *Entropy Journal*.
  5. Certificate of publication for the article titled "Q-neutrosophic soft relation and its application in decision making", *Entropy Journal*.
  6. Certificate of the best teaching staff member, Al-Maarefa College.
  7. Certificate of appreciation for the efforts made during the work period, Al-Maarefa College.
- 

## WORKSHOPS AND TRAINING COURSES

- English Language Qualification Program, Accreditation and Quality Assurance Center at Yarmouk University, 96 Hours.
  - Participating Academic Work in Universities and University Colleges, Accreditation and Quality Assurance Center at Yarmouk University, 30 Hours.
  - Scientific Research Day, Al-Maarefa College, 1 June 2016.
  - Safety Evacuation Awareness, Al-Maarefa College, 10 January 2016.
  - Fire Risks and Emergency Evacuation Plans, Al-Maarefa College, 25 October 2015.
  - Cooperative Learning Strategy in College classes, Al-Maarefa College, 25 March 2014.
-

## LANGUAGES AND SKILLS

- Arabic: Mother language, English: Very good
  - Computer Skills: Proficient in Word, Excel, Access, PowerPoint, Internet, Latex, Maple and **e-Learning Platforms**.
- 

## REFERENCES

- Assoc. Prof. Dr. Khaled Qazaqzeh Department of Mathematics, Yarmouk University, Irbid, Jordan  
E-mail: qazaqzeh@yu.edu.jo
  - Prof. Dr. Abd Ghafur Ahmad School of Mathematical Sciences, Faculty of Science and Technology, National University of Malaysia, Selangor, Malaysia  
E-mail: ghafur@ukm.edu.my
  - Assoc. Prof. Dr. Nasruddin Hassan School of Mathematical Sciences, Faculty of Science and Technology, National University of Malaysia, Selangor, Malaysia  
E-mail: nas@ukm.edu.my
-