

CURRICULUM VITAE

Dr. Haitham Ali Al-Qawaqneh

Department of Mathematics

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Researchgate: https://www.researchgate.net/profile/Haitham_Qawaqneh2

Google Scholar:

<https://scholar.google.com/citations?user=s98U08QAAAAJ&hl=en>

1. Personal Data

Date of Birth: 1 /11 / 1977

Nationality: Jordanian

2. Education

- Ph.D. (Mathematical Analysis) 2019, UKM university, Malaysia.
- Ph.D. (Mathematical Education) 2009, Arab Amman University, Jordan.
- M.Sc. (Mathematical Education) 2003, Yarmouk University, Jordan.
- M.Sc. (Mathematical Analysis) 2019, UKM university, Malaysia.
- B.Sc. (Mathematics) 2000, Jordan University for Science and Technology/Jordan.

3. Ph.D. Dissertation

1. "Some Fixed Point Related Results for Contractive Self-Mapping On Various Generalizations of Metric Spaces", UKM university, Malaysia .
2. "Effect of Using the Learning Mastering Strategy Compatible Technological Means in The Collection and Probabilistic Thinking in The Teaching of the Possibilities Among the Students of Saudi Universities", Arab Amman University, Jordan.

4. M.Sc. Dissertation

NEW FIXED POINT RESULTS IN PARTIAL b -METRIC SPACES



5. Employment

Academic Positions

- Teacher, Ministry of Education, Jordan, 2000-2004.
- Lecturer, Department of Basic Sciences, 2004-2006, King Saud University, KSA.
- Lecturer, Department of Basic Sciences, 2006-2012, Al- Jouf University/ KSA.
- Assistant Professor, Department of Mathematics, 2012-2013, Inaya college, KSA.
- Assistant Professor, Department of Mathematics, 2013-2017, Al- Jouf University, KSA.
- Assistant Professor, Department of Mathematics, Al Zaytoonah University of Jordan, Amman, Jordan
- Oct, 2019 – current

Administrative Positions

- Chairman of Department of Basic Sciences, Al- Jouf University, KSA, 2009 – 2011.
- Assistant Dean of Community College in Qurayyat, Al- Jouf University, KSA, 2011 –2013.
- Coordinator of the preparatory year, Qurayyat branch, Al- Jouf University, KSA, 2015 –2018.

6. Research Interests

Dr. H. Al-Qawaqneh main current research interests focus on Metric spaces and fixed point theory, a topic which has been investigated by several researchers who take numerous generalizations in metric spaces as well as in two essential headings; either by generalizing the space of the mapping or by debilitating the contractive condition or a few of the time in fact both.

Another types of research are:

- 1) Approximate theory.
- 2) Mathematical Analysis.
- 3) Mathematical Education researches.

7. Teaching Experience



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- **Undergraduate Courses:**

1. Statistics and probability 1,2
2. Biostatistics Course
3. Calculus 1,2,3
4. Introduction to integration
5. Research Design
6. Aware of differentiation and integration
7. Methods of teaching mathematics
8. Practice of teaching mathematics
9. Statistics and probability of Administrative Science.
10. Discrete mathematics.
11. General mathematics.
12. Differential equations.
13. Mathematics for Physical Sciences
14. Complex Analysis
15. Set theory.
16. Real Analysis 1,2

- **Graduate Courses:**

1. Research Design Cilicia.
2. Complex Analysis

8. Membership of Committees

- **University**

- Certificate equivalency committee
- Examinations Committee
- Quality assurance committee

9. Professional and Scientific Meetings

- *Workshop as a participant in General Mathematics and its Applications, Al-Jouf University, Post subject "The use of technology in teaching mathematics at the universities", 2009.*
- *Workshop participant with the Ministry of Education, Saudi Arabia, polarization and sensitization of students in choosing the appropriate colleges for their cognitive abilities and desires The fact of the structure of the internal efficiency of the school curriculum and its integration with the curriculum of higher education in Saudi universities." 2012, KSA.*



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- *Many workshops participant between Al-Jouf University and the Ministry of Education / KSA Post subject "The polarization and sensitization of students in choosing the appropriate colleges for their cognitive abilities and desires". April 2011, April 2012 and April 2013.*
- *Workshop as a participant in Fixed point theory and its applications / Department of mathematics, Manpal University, India, 15-19 sep, 2020.*
- *Workshop as a participant in Quality assurance, ISO 210001, 12-15 Oct, 2020.*

10. Publications

• Papers in refereed journals

1. H. Qawaqneh, M. S. M. Noorani, W. Shatanawi, H. Alsamir, Common fixed points for pairs of triangular Alpha-admissible mappings, Journal of Nonlinear Sciences and Application, 10, 61926204 (2017)
2. H. Qawaqneh, M. S. M. Noorani, W. Shatanawi, K. Abodayeh, H. Alsamir, fixed point for mappings under contractive condition based on simulation functions and cyclic (alpha,beta)-admissibility, Journal of Mathematical Analysis, 9(1), 38–51 (2018)
3. H. Qawaqneh, M. S. M. Noorani, W. Shatanawi. Fixed Point Results for Geraghty Type Generalized F-contraction for Weak alpha-admissible Mapping in Metric-like Spaces, European Journal of Pure and Applied Mathematics; Vol 11, No 3 (2018)
4. H. Qawaqneh, M. S. M. Noorani, W. Shatanawi, H. Alsamir. Common fixed point theorems for generalized Geraghty (alpha,psi,phi)-quasi contraction type mapping in partially ordered metric-like spaces, Axioms Journal, 7(4), 74 (2018).
5. H. Qawaqneh, M. S. M. Noorani, W. Shatanawi. Fixed point theorems for (α, k, θ) -contractive multi-valued mapping in b-metric space and applications, International Journal of Mathematics and Computer Science, (2018).
6. Qawaqneh, H.; Noorani, M.S.M.; Shatanawi, W.; Alsamir, H., Some Fixed Point Results for the Cyclic (α, β) - (k, θ) -Multi-Valued Mappings in Metric Space, Journal of physics conference series 1123:012042, 2018.
7. Qawaqneh, H.; Noorani, M.S.M.; Shatanawi, W.; Alydi, H.; Alsamir, H., Fixed Point Results for Multi-Valued Contractions in b-Metric Spaces and an Application, MDBI Mathematics, 2019.
8. Haitham Qawagneh, Mohd Salmi Md Noorani, Habes Alsamir, Fixed Points Results for New Contractive Mapping via Cyclic (Alpha,Beta)-Admissibility in b-Metric Spaces, Journal of physics conference series, 2019.



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9. H. Aydi, A.Hojat Ansari, B. Moeini, M.S.Noorani, H. Qawaqneh, Property Q on G-metric spaces via C-class functions, International Journal of Mathematics and Computer Science, 14(2), 2019.
10. H. Isik, H. Aydi, M.S. Noorani, H. Qawaqneh, New fixed point results for modified contractions and applications, MDBI Symmetry, 2019.
11. Alsamir, H, Noorani, M.S.M., Shatanawi, W.;Alydi, H., Qawaqneh, H., Fixed point results in metric-like spaces via Seqma-simulation functions, European Journal of Pure and Applied Mathematics, 12(1), 88-100, 2019.
12. Qawaqneh, H., Noorani, M.S.M., Shatanawi, W., Alsamir, H., Fixed Points For Triangular α -Admissible Geraghty Contraction Type Mappings in Partial b-Metric Spaces, International Journal of Analysis and Applications 17(2), 208-225, 2019.
13. Zoran D. Mitrovi, Hassen Aydi, Mohd Salmi Md Noorani, Haitham Qawaqneh, The weight inequalities on Reich type theorem in b-metric spaces, J. Math. Computer Sci., 19, 51–57, 2019.
14. Hassen Aydi, Arsalan Ansari, Bahman Moein, Mohd Salmi Md Noorani, Haitham Qawaqneh, Property Q on G-metric spaces via C-class functions, International Journal of Mathematics and Computer Science, 14(2), 2019.
15. Hassen Aydi, Dušan Rakić, Asadolah Aghajani, Tatjana Došenović, Mohd Salmi Md Noorani, Haitham Qawaqneh, On Fixed Point Results in G_b -Metric Spaces, MDBI Mathematics, 2019
16. Hüseyin İnsik, Hassen Aydi, Mohd Salmi Md Noorani, Haitham Qawaqneh, New Fixed Point Results for Modified Contractions and Applications, MDBI Symmetry, 2019
17. Muhammad Nazam, Hassen Aydi, Mohd Salmi Md Noorani, Haitham Qawaqneh, Existence of fixed points of four maps for a new generalized F-contraction and an application, Journal of Function Spaces, 2019.
18. Qamrul Haq Khan, Taweef, Hassen Aydi, Esra Yolacan, Mohd Noorani, Haitham Qawaqneh, On Coupled Coincidence Points In Multiplicative Metric Spaces Having t-Property and An Application, Italian Journal of pure and applied mathematics, 2019.
19. Qawaqneh, H., Noorani, M.S.M., Shatanawi, W., Aydi, H., On common fixed point results for new contractions with applications to graph and integral equations, MDBI Mathematics, 2019.
20. Qawaqneh, H., Alsamir, H., Noorani, M.S.M., Aydi, Fixed point results in $\alpha - \eta$ -complete metric spaces via w-distances, Italian Journal of Pure and Applied Mathematics 44, 333-347, 2020
21. Qawaqneh, H., New contraction embedded with simulation function and cyclic (α, β) -admissible in metric-like spaces, International Journal of Mathematics and Computer Science, 15(1), 1029–1044, 2020.
22. Qawaqneh, H., Bani Ahmad, F., The Training Needs of the Mathematics Teachers in the Light of Integrating Technology in Teaching at Jordan Country from Their Perspectives, Universal Journal of Educational Research 8(4), 1430-1438, 2020.



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23. Qawaqneh, H., Noorani, M.S.M., Aydi, H., On Fixed Point Results in Partial b-Metric Spaces, Journal of Function Spaces, 2021.
24. H Qawaqneh, MS Noorani, H Alsamir, On fixed points results in b-multiplicative metric spaces having simulation function, International Conference on Information Technology (ICIT), 2021, 331-333.
25. H Alsamir, H Qawaqneh, H Aydi, W Shatanawi, Fixed point of ϱ - β -contraction type mapping in b-metric like spaces, International Conference on Information Technology (ICIT), 2021, 538-542.
26. H Qawaqneh, FB Ahmad, A Zraiqat, The Effect of Using Cyber Hunt Strategy on Developing the Mathematical Academic Achievement for Jordanian Universities Students, International Conference on Information Technology (ICIT), 2021, 549-552.
27. Al-Mashaleh, W., Qawaqneh, H., Some results on traces of the generalized products and sums of positive semidefinite matrices, International Journal of Mathematics and Computer Science, 17(2), 619-625, 2022.
28. H Qawaqneh, MSM Noorani, H Aydi, Some new characterizations and results for fuzzy contractions in fuzzy b-metric spaces and applications, AIMS Mathematics 8 (3), 2023, 6682-6696.
29. H Qawaqneh, FB Ahmad, AR Alawamreh, The Impact of Artificial Intelligence-Based Virtual Laboratories on Developing Students' Motivation Towards Learning Mathematics, International Journal of Emerging Technologies in Learning, 18 (14), 105, 2023.
30. FB Ahmad, H Qawaqneh, A Zraiqat, SJ Al Nawaiseh, The Effectiveness of Nearpod in Developing Online Interactive Lesson Design Skills for Mathematics and Computer Teachers, International Conference on Information Technology (ICIT), 2023, 292-294.
31. H Alzoubi, W Al-Mashaleh, H Qawaqneh, M Al-kafaween, SJ Al Nawaiseh, Helicoidal Surfaces Satisfying $\Delta IIIr=Ar$, International Conference on Information Technology (ICIT), 2023, 292-294.
32. H Alsamir, H Qawaqneh, Fixed point results using cyclic $(\rho - \theta)$ -admissible mapping and extended simulation function concept in rectangular b-metric space, International Conference on Information Technology (ICIT), 2023, 447-452.

- **Books**

Al-Mashaleh, W., Qawaqneh, H., Calculas(1). Dar-Almasyra. Amman. 2022.

- **Conference Presentations**

1. The 14th International Symposium on Geometric Function Theory and Applications. Title paper: Fixed Points for Mappings Based on Cyclic (α, β) -Admissibility and C-Class Functions in b-Metric Spaces. UKM University, Malaysia. 2018.



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2. The 5th International Conference on Fundamental and Applied Sciences
Title paper: Fixed point theorems for (α, k, θ) -contractive multi-valued mapping in b -metric space. Petronas University, Malaysia. 2018.
3. The 2nd Asia-Pacific Conference on Applied Mathematics and Statistics
Title paper: fixed points for cyclic (α, β) -admissible Z -contraction mapping in metric-like spaces. Kuala Lumpur, Malaysia. 2018.
4. International Conference on Information Technology (ICIT).
Title paper: Fixed point of $\varrho - \mathfrak{J}$ - contraction type mapping in b -metric like spaces, Amman, Jordan, 2021.
5. International Conference on Information Technology (ICIT).
Title paper: The Effect of Using Cyber Hunt Strategy on Developing the Mathematical Academic Achievement for Jordanian Universities Students, Amman, Jordan, 2021.
6. International Conference on Information Technology (ICIT).
Title paper: On fixed points results in b -multiplicative metric spaces having simulation function, Amman, Jordan, 2021.
7. International Conference on Information Technology (ICIT).
Title paper: The Effectiveness of Nearpod in Developing Online Interactive Lesson Design Skills for Mathematics and Computer Teachers, Amman, Jordan, 2023.
8. International Conference on Information Technology (ICIT).
Title paper: Fixed point results using cyclic $(\rho - \theta)$ -admissible mapping and extended simulation function concept in rectangular b -metric space, Amman, Jordan, 2023.
9. International Conference on Information Technology (ICIT).
Title paper: Helicoidal Surfaces Satisfying $\Delta IIIr = Ar$, Amman, Jordan, 2023.