Mohammad F. Marashdeh — CV

Department of Mathematics & Statistics
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"Be the change that you want to see in the world."

Education

Academic Qualifications

Ph.D. Mathematics — **Bangi-Malaysia**
UKM (National University of Malaysia) — *2008 – 2011*
- Thesis title: *"On Intuitionistic Fuzzy Algebra and Fuzzy Hyperalgebra"*
- Concentration: *Abstract algebra, Algebraic topology, hyperalgebra and fuzzy algebra.*

M.Sc. Mathematics (Course-based) — **Bangi-Malaysia**
UKM (National University of Malaysia) — *2006 – 2007*
- Graduated with Honours. Grade average 3.64 out of 4.

BSc. Mathematics — **Jordan**
Yarmouk University — *Jan. 2006*
- Graduated with a Major in Mathematics and a Minor in Statistics.

High school diploma — **Irbid – Jordan**
Irbid secondary school — *June 1998*
- valedictorian with degree 92.1 %.

Experience

Associate Professor — **Mutah university – Jordan**
Department of Mathematics & Statistics — *2023–Present*
- Supervising master degree thesis in the field of algebra of bicomplex numbers, dual numbers and duplex structures beside teaching most of advanced math courses.

Assistant Professor (permanent) — **Mutah university – Jordan**
Department of Mathematics & Statistics — *Sep. 2015–2022*

- Teaching most of Bachelor degree courses such as: abstract algebra I , abstract algebra II, graph theory, number theory, topology, calculus I, II, III and ordinary differential equations.
- Teaching Master degree courses: Advanced algebra and Selcted topics in higher algebra.
- Supervising Master degree students (Thesis) and a PhD student (Dissertation) at UKM (Malaysia)

○ **Full time lecturer**   **Mutah university – Jordan**
Department of Mathematics & Statistics   *Sept. 2013–Sept. 2014*

- Teaching Bachelor degree courses such as: calculus I, II, III, introduction to probability and differential equations.

○ **Assistant Professor**   **Jadara university – Jordan**
Department of Mathematics   *Sept. 2011–Aug. 2013*

- Teaching Bachelor degree courses such as: calculus I, II, III, differential equations and partial differential equations
- Supervising many graduation research projects.
- Developed and improved many of the department syllabi's to meet the required quality.
- Head of the student advisory board.

○ **Lecturer & tutor**   **Kolej Legenda – Nilai - Malaysia**
Civil engineering Department   *Feb. 2008 - Dec. 2008*

- Teaching mathematical physics and finite element courses.
- Member of the student advisory board.
- Coaching the collage soccer team.

Highlights of Qualifications

○ Substantial experience in teaching mathematics to college students.

○ Remarkable knowledge of mathematics curriculum.

○ Ability to communicate and teach to diverse students.

○ Ability to handle issues effectively.

○ Solid understanding of communicating strategies to students.

Technical and Personal skills

○ **Programming Languages:** Proficient in: C++, Matlab, Mathematics, TeX
Also basic ability with: Maple, HTML.

○ **Industry Software Skills:** Matlab (Advanced), Autocad (Intermediate), Most MS Office products including MS project and MS access (Advanced).

○ **General Business Skills:** Good presentation skills, Works well in a team.

Interests and extra-curricular activity

○ I always involved in voluntary work & believes in giving back to the community; starting with her volunteer work at INJAZ NGO (Jordan) where I had the privilege to represent Jordanian Youth as a key speaker at different events hosted by INJAZ. In addition, I volunteered as a trainer for students as part of INJAZ program.

Publications

○ Mohammad F. Marashdeh. **The fundamental group of duplex structures**. *Submitted*. 2024

○ Mohammad F. Marashdeh. **On the algebraic properties of dual numbers**. *Submitted*. 2024

○ Mohammad F. Marashdeh. **Continuity in fuzzy topological spaces on fuzzy space**. *Int. J. Nonlinear Anal. Appl.* 13 (2022) 1, 2163-2169. 2022.

○ Mohammad F. Marashdeh. **Fuzzy connectedness and compactness in fuzzy topological spaces on fuzzy space**. *Sci.Int.(Lahore).* 33(5), 391-394, 2021.
http://www.sci-int.com/pdf/637679849934280093.%20Marashdeh–STAT-JORDAN-18-7-21-PAID.pdf

○ Mohammad F. Marashdeh. **Algebra of fuzzy groups in fuzzy spaces**. *Sci.Int.(Lahore).* 31(4), 637-640, 2019.
http://www.sci-int.com/pdf/637001779902778131.%20Marashdeh-REFEREED-MATH–JORDAN%20PAID.pdf

○ Mohammad F. Marashdeh. **Numeric-analytic solutions of mixed-type systems of balance laws**. *Applied Mathematics and Computation*. Volume 265, August 2015.
http://www.sciencedirect.com/science/article/pii/S0096300315005901

○ Mohammad F. Marashdeh. **The fundamental group of intuitionistic fuzzy topological spaces**. *Applied Mathematical Sciences* . Volume 8, 2014.
http://www.m-hikari.com/ams/ams-2014/ams-157-160-2014/marashdehAMS157-160-2014.pdf

○ Mohammad F. Marashdeh. **Fuzzy hypergroups based on fuzzy spaces**. *Annals of Fuzzy Mathematics and Informatics* . 2013.

○ Mohammad F. Marashdeh. **Intuitionistic fuzzy ring**. *International Journal of Algebra* . Volume 5, 2011.
http://www.m-hikari.com/ija/ija-2011/ija-1-4-2011/marashdehIJA1-4-2011.pdf

○ Mohammad F. Marashdeh. **Fuzzy hyperrings (Hv-rings) based on fuzzy universal sets**. *Information Sciences* . Volume 180, 2010.
http://www.sciencedirect.com/science/article/pii/S0020025510001908

○ Mohammad F. Marashdeh. **The intuitionistic fuzzy normal subgroup**. *International Journal of Fuzzy Logic and Intelligent Systems* . Volume 10, 2010.
http://www.koreascience.or.kr/journal/AboutJournal.jsp?kojic=E1FLA5

- Mohammad F. Marashdeh. **Intuitionistic fuzzy groups**. *Asian Journal of Algebra* . Volume 3, 2009.
  http://docsdrive.com/pdfs/ansinet/aja/2009/1-10.pdf

Conference Proceedings

- Mohammad F. Marashdeh. **On intuitionistic fuzzy spaces**. *Proceedings 16th National Symposium of Mathematical Sciences (SKSM-16), University Malaysia Terengganu.*

- Mohammad F. Marashdeh. **On intuitionistic fuzzy functions**. *Proceedings International Symposium on New Development of Geometric Function Theory and its Applications(GFTA), Universiti Kebangsaan Malaysia.*

References

Professor Bijan Davvaz   **Yazd – Iran**
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Professor Omar Odibat   **Detroit – United States**
Wayne State University
Data Scientist at Visa, Austin, Texas Area, United States.
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