



Khitam Aqel


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PROFILE

As an individual with a strong academic background in mathematics, data science, and education, I am dedicated and passionate about my work. I hold a Ph.D. in the Applied Mathematics and Data Science field, where my research focuses on the intersection of Computational Neuroscience. Through the use of advanced mathematical models and data analysis techniques, I aim to unravel the complexities of neural systems.

During my Master's degree in Pure Mathematics, I had the opportunity to delve into the fascinating field of Hyperbolic Geometry as part of my academic journey. Through extensive research and analysis, I gained a deeper understanding of the unique properties of non-Euclidean spaces and their profound implications in various mathematical contexts.

In addition to my research interests, I am honored to teach mathematics at Ajman University as a lecturer. By creating dynamic and interactive learning opportunities, I am able to help students understand the complexities of mathematical concepts while also contributing to curriculum development and educational initiatives.

I am deeply committed to the pursuit of knowledge and its practical application to achieve concrete outcomes. My passion for learning is at the forefront of

EDUCATION

- **Ph.D - Degree in Mathematics, Department of Mathematics & Statistics, Faculty of Science, University of Texas Arlington (UTA) - TX, USA (2025).**
- **M.Sc. - Degree in Mathematics, Department of Mathematics & Statistics, Faculty of Science, American University of Sharjah - UAE (2015).**
- **B.Sc. - Degree in Mathematics, Department of Mathematics, Faculty of Science, Jordan University of Science and Technology - Jordan (2011).**

WORK EXPERIENCE

- May 2026 - Present: Lecturer with the rank of Assistant Professor, Mathematics Department Ajloun National University, Ajloun/ Jordan.
- Aug. 2022 - May 2025: Graduate Teaching Assistant/ Research Assistant, Department of Mathematics & Statistics, University of Texas at Arlington , TX/ USA.
- Aug. 2016 - Jul. 2020: Mathematics Lecturer, Math & Sciences Department, Ajman University, Ajman/ UAE.
- Aug. 2012 - Jul. 2015: Graduate Teaching Assistant/ Research Assistant, Department of Mathematics & Statistics, American University of Sharjah, Sharjah/ UAE.

PROFESSIONAL ACTIVITIES

CONFERENCES:

- Poster Presenter: UTA Discover Research Symposium (Spring 2022, Spring 2023, Spring 2024, Spring 2025).
- Poster Presenter: UTA Mathematics Symposium (Fall 2022, Fall 2024).
- 7th Annual Meeting of SIAM Central States Section (OSU. Oct. 2022- Presenter).
- Invariant Manifolds in Celestial Mechanics and Astrodynamics (Virtual. May 2021).
- The 17th UAE MATH DAY (AUS. Mar. 16, 2019).
- The 16th UAE MATH DAY (AURAK. April 14, 2018).
- The 15th UAE MATH DAY (UOS in Sharjah March 11, 2017).
- The 14th UAE MATH DAY (NYU. in Abu Dhabi Mar 12, 2016).
- AUS International Conference for Mathematics and Statistics April 2-5, 2015.
- The 12th UAE MATH DAY (American University in Dubai April 19, 2014).