

Curriculum Vitae

Haneen Akram Mustafa Ghanim



PERSONAL INFORMATION

Address: Tulkarm - West Bank- Palestine

Email: h.ghanim@ptuk.edu.ps

Date of Birth: March, 12, 1985

Place of Birth: Nablus

Nationality: Palestinian

Gender: Female

Marital Status: Married

Language: Arabic (native) and English

ACADIMIC QUALIFICATIONS

- 2022, PhD in mathematics, with GPA 3.90 out of 4.00 (Excellent) and have passed the Qualifying Exam, University of Jordan, Jordan. Thesis Title: Stochastic Fractional Differential Equations: Theories and Solutions.
- 2014, Master degree in mathematics with GPA 4.00 out of 4.00 (Excellent) and I ranked the first among all graduated students of the academic year 2013/2014, An- Najah National University, Nablus, West Bank. Thesis Title: Topological Characters of Complete Metric Spaces.

- 2006, B. Sc. in mathematics with GPA 3.88 out of 4.00 (Excellent) and I ranked the first among all mathematics graduates of the academic year 2005/2006, Arab American University of Jenin (AAUJ), Jenin, West Bank.
- 2003, Palestinian High School Certificate (Tawjihi) with percentage average 98.1%. I ranked the fifth among the students in Tulkarm area.

EMPLOYMENT

- 2016-Up to date: Lecturer in Mathematics Department at Palestine Technical University, Kadoorie.
- 2006 -2016: Mathematics Teacher, Ministry of Education and Higher Education, Tulkarm, West Bank.

TEACHING EXPERIENCE

- At Palestine Technical University:
 1. Mathematics for Management.
 2. Calculus 1.
 3. Calculus 2.
 4. Engineering Mathematics.
 5. Statistics.
 6. Linear Algebra
 7. Partial Differential Equations
 8. Applied Partial Differential Equations
 9. Ordinary Differential Equations.
 10. Numerical Analysis

SKILLS

- Microsoft packages of which include, Word, Excel and PowerPoint.
- Mathematica, Maple and C++.
- Strong communications and interpersonal skills.

PUBLICATIONS

- 2022: H. Badawi, N. Shawagfeh, O. Abu Arqub, Fractional conformable stochastic integrodifferential equations: existence, uniqueness, and numerical simulations utilizing the shifted Legendre spectral collocation algorithm, *Mathematical Problems in Engineering*.
- 2023: H. Badawi, O. Abu Arqub, N. Shawagfeh, Well-posedness and numerical simulations employing Legendre-shifted spectral approach for Caputo-Fabrizio fractional stochastic integrodifferential equations, *International Journal of Modern Physics C*.
- 2023: H. Badawi, O. Abu Arqub, N. Shawagfeh, Stochastic integrodifferential models of fractional orders and Leffler nonsingular kernels: well-posedness theoretical results and Legendre Gauss spectral collocation approximations, *Chaos, Solitons & Fractals*: X.
- 2024: H. Badawi, O. Abu Arqub, N. Shawagfeh, Well-posedness and collocation solutions using the shifted Legendre spectral method for the Hilfer fractional stochastic integrodifferential equations regarding stochastic Brownian motion, *Results in Applied Mathematics*.
- 2025: H. Badawi, O. Abu Arqub, N. Shawagfeh, Theoretical study and numerical analysis using step spectral collocation method for stochastic M-fractional differential models of simplified Brownian motion within constant delays process, *Journal of Applied Mathematics and Computing*.
- 2025: H. Badawi, O. Abu Arqub, R. Eid, Theoretical Predictions of existence and uniqueness for stochastic M-fractional differential models of random Brownian motion, exhibited with matrix spectral collocation solutions and simulated with the electrical engineeringRLC utility as a case interpretation. *Fractals*.
- 2025: H. Badawi, O. Abu Arqub, N. Shawagfeh Existence, uniqueness, and numerical analysis of fractional M-derivative

stochastic integrodifferential models within the shifted Legendre Gauss pseudospectral algorithm, Fluctuation and Noise Letters.

REFERENCES

- Dr. Fuad Kittaneh, Department of Mathematics, University of Jordan, Amman, Jordan.
- Dr. Omer Abu Arqoup, Department of Mathematics, Al-Balqa Applied University, Jordan.
- Dr. Nabil Shawagfeh, Department of Mathematics, University of Jordan, Amman, Jordan.
- Dr. Saed Mallak, Department of Mathematics, Palestine Technical University, Tulkarm.