



Dr. Jamila Jawdat

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Mathematics/ Analysis

Academic Rank: Associate Professor

Memberships:

- A faculty member of the Mathematics Dept. at Zarqa University from 1997 and an active member of many department and college committees.
- A member in the organizing committee for all the Conferences on Mathematical Sciences that were held at Zarqa University: CMS2006, CMS2008, CMS2011 and IACMC 2014, 2016, 2019, 2022 and 2023.

Qualifications:

- Ph.D. in Pure Mathematics, 2005. The University of Manchester, U. K.
(Analysis)
Thesis title "K-Theory and the Elliptic Representation of $SL(N)$ "
- M.Sc. in Pure Mathematics, 1989. Kuwait University, Kuwait.
(Functional Analysis)
Thesis title: "Best Approximation in Spaces of Linear Operators and Tensor Products"
- B.Sc. in Mathematics, 1986. Kuwait University. Kuwait.



Teaching Experience

#	From	to	
1	1987	1989	Kuwait University
2	1991	1994	A society college
3	1997	2002	Zarqa University
4	2002	2005	The University of Manchester
5	2005	---	Zarqa University

- I have taught the following undergraduate courses at Zarqa University:

Calculus(1, 2, 3), Vector Analysis, Linear Algebra(1, 2), Ordinary differential equations(1, 2), Numerical Methods, Real Analysis (1, 2), Mathematical Analysis, Complex Analysis, Logic and Set theory, Topology, Foundations of higher math., Euclidean Geometry, Number Theory and Methods in Applied Mathematics, Special functions.

- I have taught the following Master courses at Zarqa University:

- Real Analysis (Measure Theory and Lebesgue Integration)
- Functional Analysis.

- I have supervised the following Master Students at Zarqa University:

1. Rasha Shalabi, 2017.

Thesis title: **Strong Best Approximation in Certain Function spaces**

2. Ayat Abu-Seilek, 2018.

Thesis title: **Quasi-Chebyshev Subspaces in $L^p(\mu, X)$, $1 \leq p < \infty$.**

3. Ismail Al-Abbadi, 2021.

Thesis title: **Mutual Proximality of two Sets in $L^p(\mu, X)$.**



4. Maryam Sroji, 2023.

Thesis title: **Fractional Calculus in Banach Spaces and Some Applications.**

5. Mus'ab Yahia Eyal Awwad, 2024.

Thesis title: **Conformable integral of Vector Functions and some Applications.**

- I was a member in the Decision Committee for the following Master Thesis:

(عضو تحكيم في لجان مناقشة رسائل الماجستير التالية):

السنة	الجامعة	عنوان الرسالة	اسم الطالب
2018	جامعة الزرقاء	Backlund transformations and travelling wave solutions for some nonlinear evolution equations	نجاتي أبو شاور Najati Abu-Shawer
2021	جامعة الزرقاء	Bounds for Zeros of Polynomials	أحمد الصوافطة Ahmad Al-Sawaftah
2022	جامعة الزرقاء	Generalized Hyperbolic functions and Matrix means	عبيد عدنان أبو سنينه Abeer Adnan Abu-Snainah
2022	جامعة الزرقاء	On some near open sets and uncertainty	رشا محمد أبو شباب Rasha Mohammad Abu-Shabab
2023	جامعة الزرقاء	Generalizations on numerical radius and some related inequalities	بهاء الدين النداف Baha Aldeen Alnaddaf
2023	جامعة الزرقاء	On new topological approaches for some generalized Rough sets	آلاء خميس بدر Alaa Bader



2023	جامعة الزرقاء	Applications on Singular Value Decomposition of Matrices	روان موفق أبو حفيفة Rawan Abu-Hafiza
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Publications

#	Title	Journal Name	Year/ Issue (Vol/No)
1.	R-groups and geometric structure in the representation theory of $SL(N)$	J. of Non-Commutative Geometry	Vol. 4 (2010)
2.	Simultaneous Farthest Points in Vector Valued Function Spaces	Nonlinear Functional Analysis and Applications	Vol. 16, No.1 (2011)
3.	Simultaneous Proximality of Vector Valued Function Spaces	Turkish J. of Math.	36 (2012)
4.	Coproximality Results in Kothe Function Spaces	Italian J. of Pure and Applied Mathematics	36 (2016)
5.	Best Coapproximation in $L^\infty(\mu, X)$	TWMS Journal of Applied and Engineering Mathematics	Vol. 8, No.2 (2018)
6.	Strong Proximality in the Function Space $L^\phi(\mu, X)$	International Mathematical Forum	Vol. 15, No.3 (2020)



7.	Quasi-Chebyshevity in $L^p(\mu, X)$, $1 \leq p < \infty$	Mathematics and Statistics	Vol. 9, No.4 (2021)
8.	Mutual Proximality of two Sets in $L^p(\mu, X)$	Journal of Mathematical and Computational Science	Vol 11, No 6 (2021)
9.	Strong Coproximality in the Bochner Spaces $L^p(\mu, X)$ and in Kothe Spaces	European Journal of Pure and Applied Mathematics	Vol 16, No 3 (July 2023)
10.	Atomic Solution for Fractional Nonlinear Burger Equation of Conformable type	Progress in Fractional Differentiation and Applications	Published (1 / 7 / 2024)
11.	On Solutions of differential and integral equations using new Fixed Point results in Cone E_b - Metric Spaces	Partial Differential Equations in Applied Mathematics	Published (1 /12/2023)
12.	Tensor Product Solutions of Euler Abstract Cauchy Problems	Partial Differential Equations in Applied Mathematics	Accepted (7 /10 /2024)
13.	Vector-order Conformable Derivative for Vector-valued Functions	Journal of Mathematics and Computer Science	Accepted (30/9/2024)



Conferences

#	Paper Title	Organizing Institution	Conference
1.	Extended Quotients for some Orbifolds	Zarqa University	The First Conference on Mathematical Sciences, April-2006.
2.	On the tempered dual of $SL(N)$	The University of Manchester	New directions in Non-commutative Geometry. 9-11 July 2008.
3.	Strong Coproximal subspaces in Kothe spaces	Zarqa University	The 7th Conference on Mathematical Sciences, May - 2022.
4.	Conformable Derivative of vector order (Abstract only)	Zarqa University	The 8th Conference on Mathematical Sciences, May - 2023.

Personal Information

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