



**Ahmad Mohammad Ibrahim Qazza**

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**General Major/ Specialization**  
Differential Equation

**Academic Rank:**

Associate professor

**Qualifications:**

1	<p>Ph.D. in Differential Equation 2000, Faculty of Mechanics and Mathematics, Department of Differential Equation, Kazan State University (Kazan Federal University), Russia:</p> <ul style="list-style-type: none"><li>Degree Specialization: Differential equations.</li><li>Title of Ph.D., Thesis: <i>Reduction of Dirichlet problem and its generalization for elliptical equations to the boundary problems for holomorphic function.</i></li></ul>
2	<p>M.Sc. in Differential Equation 1996, Faculty of Mechanics and Mathematics, Department of Differential Equation, Kazan State University (Kazan Federal University), Russia:</p> <ul style="list-style-type: none"><li>Degree Specialization: Differential equations.</li><li>Title of M.Sc., Thesis: <i>The application of integral transformation by Mellin's Nucleus in Bessel's theory.</i></li></ul>

**Career Goals:**

Achieving the highest level of educational and educational awareness, knowledge and independence of thought of the student.

**Area of Interest:**

Fields of interest: Boundary Value Problems for PDEs of Mathematical Physics (Laplace equation, Helmholtz equation, heat equation, etc); Boundary Integral Equation Methods; Integral Representations for Solutions; integral equations with logarithmic and Cauchy kernels; boundary value problems for analytic complex functions; applications of boundary value problems to mathematical modelling in acoustics, fluid dynamics, physics and engineering; numerical methods; Fractional Integrals and Derivatives Theory and Applications.



## Committees Outside Universities:

American Mathematical Society (AMS). Member ID: QZAHMAA	2020- until to date
Society for Industrial and Applied Mathematics Member Number: 001050695.	2020- until to date

## Membership:

Member of the quality council - Zarqa University (Many times)
Member of the efficiency committee – Zarqa University (Many times)
Member of the science faculty council (Many times)
Member of the Organizing Committee of The 6th International Arab Conference on Mathematics and Computations, Zarqa University, 2019.
Co-Chair of The 7 <sup>th</sup> International Arab Conference on Mathematics and Computations, Zarqa University, 2022.
Sep 2010 – 2016 Head of Mathematics department/ Jadara University .
Sep 2018- until to date: Vice Dean in Faculty of Science / Zarqa University.
Representative of the College of Science in the University Council.
Examination Committee.
Social Committee.
Qualifying exam committee
Development and Planning Committee.
Study Schedule Committee.

## Teaching Experience:

#	From	to	job title Employer
1	2004	2008	Assistant professor Irbid National University/Irbid–Jordan. Department of Mathematics
2	2008	2016	Assistant professor Jadara University/Irbid–Jordan. Department of Mathematics
3	2010	2017	Head of Math. Dept.



			Employer	Jadara University/Irbid–Jordan. Department of Mathematics
4	2016	2017	job title Employer	Associate professor Jadara University/Irbid–Jordan. Department of Mathematics
6	2017	until todate	job title Employer	Associate professor Zarqa University/Zarqa–Jordan. Department of Mathematics
7	2018	until todate	job title Employer	Vice Dean of the faculty of science Zarqa University/Zarqa–Jordan. Department of Mathematics

## Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Sharper Inequalities for Powers of the Numerical Radii of Hilbert Space Operators.	International Mathematical Forum	2009 4 (29)
2.	Dirichlet Problem in the Simply Connected Domain, Bounded by Unicursal Curve.	International Journal of Applied Mathematics	2009 22 (4)
3.	An Inversion of Integral Operator by L. A. Sakhovich's Operator Identity Method.	Studia Universitatis Babeş-Bolyai Mathematica	2010 LV (2)
4.	Stationary connected curves in Hilbert spaces	Journal of Mathematics and Statistics	2014 10 (2)
5.	Dirichlet Problem in the simply connected domain, bounded by the nontrivial kind.	Advances in Differential Equations and Control Processes	2016 17(3)
6.	About the Solution Stability of Volterra Integral Equation with Random Kernel.	Far East Journal of Mathematical Sciences	2016 100 (5)
7.	On the choice of strategy for modified Midzuno scheme.	Far East Journal of Mathematical Sciences	2017 101 (7)
8.	The existence of a solution for semi-linear abstract differential equations with infinite B-chains of the characteristic sheaf	International Journal of Applied Mathematics	2018 31 (5)
9.	A new procedure for selecting a sample with unequal probability without replacement	Far East Journal of Mathematical Sciences	2018 107 (1)
10.	Modification on PPS Sample Scheme with Replacement	Journal of Mathematics and Statistics	2019 15



11.	New Integral Transform: ARA Transform and Its Properties and Applications	Symmetry	2020 12(6)
12.	A New Attractive Method in Solving Families of Fractional Differential Equations by A New Transform	Mathematics	2021 9(23)
13.	A Novel Numerical Approach in Solving Fractional Neutral Pantograph Equations via the ARA Integral Transform	Symmetry	2021 14(1)
14.	Exact solutions of nonlinear partial differential equations via the new double integral transform combined with iterative method	Axiom	2022 11(6)
15.	On the Double ARA-Sumudu Transform and Its Applications	Mathematics	2022 10(15)
16.	ARA-residual power series method for solving partial fractional differential equations	Alexandria Engineering Journal	2022 62
17.	Homotopy Analysis Method Analytical Scheme for Developing a Solution to Partial Differential Equations in Fuzzy Environmen	Fractal and Fractional	2022 6(8)
18.	A New Approach Using Integral Transform to Solve Cancer Models	Fractal and Fractional	2022 6(9)
19.	Applications on Double ARA-Sumudu Transform in Solving Fractional Partial Differential Equations	Symmetry	2022 14(9)
20.	Application of ARA Residual Power Series Method in Solving Systems of Fractional Differential Equations	Mathematical Problems in Engineering	2022 2022
21.	Multi-Fuzzy Rings	WSEAS transactions on mathematics	2022 21

## Personal Information:

Name	:	Ahmad Mohammad Ibrahim Qazza
Place and Date of Birth	:	Zarqa 22/9/1971
Nationality	:	Jordanian
Marital Status	:	Married
Address	:	Zarqa - Hi Shakher



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