



S. K. Q. Al-OMARI

Professor Shrideh Khalaf Qasem Al-Omari

Objectives:

To pursue a career to best of my effort & realm of my knowledge and to work in a peaceful atmosphere, which provides ample opportunities and growth.

Teaching History:

Al-Balqa Applied University
Jordan

2018-Present

Dammam University
KSA

January 2016-2018

Al-Balqa Applied University
Jordan

2007-January 2016

Jordan University

Jordan

Jan. 2012-Sep. 2013

Ministry of Education

K.S.A.

2002-2003

Ministry of Education

Jordan

1996-1999

• **Professor**

• **Professor**

• **Professor**

• **Lecturer**

• **Teacher**

• **Teacher**

Education

University of Yarmouk

Jordan

1996

• **B.Sc. , Mathematics**

University of Mysore

India

2001

• **M.Sc. , Mathematics**

J. N. V University

India

2006

• **Ph.D., Mathematics
Applied Functional Analysis**

Enlisted in the World Ranking Top 2% Scientists' list for the years 2021, 2022 which has been released by Stanford University, USA.



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Top Co-authors:

- **Dumitru Baleanu (Highly Cited):** Cankaya Univesity, dumitru@cankaya.edu.tr, Turkey.
- **Lokenath Debnath :** University of Central Florida, Orlando, Florida, USA.
- **Bashir Ahmad (Highly cited):** King Abdulaziz University, bashirahmad_qau@yahoo.com, KSA.
- **Adem Kilicman:** University Putra Malaysia, akilicman@yahoo.com, Malaysia.
- **Junesang Choi:** Dongguk University, junesang@mail.dongguk.ac.kr, Republic of Korea.
- **Shyam Kalla:** Kuwait University, shyamkalla@gmail.com, Kuwait.

Thesis:

Distributional and Tempered Distributional Integral Transforms On Testing Function Spaces.

Honors, Awards and Scholarships:

- **Distinguished Researcher 2018 :** Al-Balqa Applied University, Jordan.
- **Rank Certificate:** University of Mysore, M.Sc. Mathematics, India.
- **Prize Certificate:** University of Mysore , M.Sc. Mathematics, India .
- **Scholarship for the Ph.D. :** University Grant Commission, UGC-New Delhi.
- **Scholarship for the Bachelor D. :** Ministry of Higher Education, Jordan.

Taught Courses:

- | | |
|---|--|
| • Measure Theory (M.Sc.) | • Topology(B.Sc.) |
| • Applied Analysis (M.Sc.) | • Functional Analysis (M.Sc.) |
| • Topology(M.Sc.) | • Real Analysis I (B.Sc.) |
| • Functional Analysis (M.Sc.) | • Real Analysis II (B.Sc.) |
| • Principles of Real Analysis (B.Sc.) | • Partial Differential Equations (B.Sc.) |
| • Real Analysis (B.Sc.) | • Functional Analysis (B.Sc.) |
| • Applied Analysis (M.Sc.) | • Linear Algebra (B.Sc.) |
| • Differential Equations. (B.Sc.) | • Engineering Analysis. (B.Sc.) |
| • Numerical Analysis. (B.Sc.) | • Calculus III. (B.Sc.) |
| • Calculus II. (B.Sc.) | • Calculus I. (B.Sc.) |
| • Linear Algebra and Numerical Analysis for engineers | • Advanced Mathematics (B.Sc. for Engineers) |
| • Advanced Engineering Mathematics (M.Sc. for Engineers) | • Measure Theory and integration |
| | • Set theory |

Administrative Activities:

- **2009-2011 :** Head of Department of Applied Sciences, Faculty of Engineering Technology, Al-Balqa Applied university.
- **2008-2009 :** Head of Dept of Basic Sciences, summer semester, Faculty of Engineering Technology, Al-Balqa Applied university.
- **2007-2008 :** Faculty Member of Scientific Research Committee , Faculty of Engineering Technology, Al-Balqa applied university.
- **2007-2008 :** Faculty Member of cultural Research Committee, Faculty of Engineering Technology Al-balqa applied university.
- **2007-2009 :** Department Research Committee Member ,Department of Basic Sciences Al-Balqa Applied University.
- **2010- 2019 :** Worked at many faculty and dept activities as committee member.

Journals Reviewer:

Listed as a Reviewer and an author in Elsevier database, Taylor and Francis Journals, Hindawi Journals, Springer Verlag Journals and some other Journals.

Editorial and Journal Activities:

- Member of the editorial board of *Maejo Int. J. Sci. Technol.* (Thompson Reuters , SCIE IF 0.329)(Since 2016).
- Member of the editorial board of *Research in Mathematics.* (Thompson Reuters , SCIE IF 1.1, 2022)
- Member of the editorial board of *Journal of Function Spaces.*(Hindawi) (Thompson Reuters , SCIE IF 01.897)(Since 2021).
- Member of the editorial board of *Cogent Mathematics.* (Taylor and Francis)(Thompson Reuters) (Since 2016).
- Leading Guest Editor of *Computers, Materials & Continua* 2022(Thompson Reuters , SCIE IF 3.772)
https://www.techscience.com/cmc/special_detail/real_world_applications
- Leading guest editor, *Demostria Mathematics* 2022, Thompson Reuters , SCIE IF 2021: 2.093
- Leading Guest Editor *Journal of Mathematics*, Hindawi.
- Member of the editorial board of *Clifford Analysis, Clifford Algebras and their applications.*
- Member of the editorial board of *New Trends in Mathematical Sciences.*
- Member of the editorial board of *International Journal of Modern Mathematical Sciences.*
- *Journal of Algebra, Number Theory: Advances and Applications.*
- *American Journal of Applied Mathematics and Statistics.*
- Member of the editorial Board of *Zadeh Journal of Mathematics.*

Research Interests:

Generalized Integral Transforms, Boehmian Spaces, Distributions, Ultra-distributions, Tempered Ultradistributions, Differential Equations, Wavelets and Wavelet Transforms, fractional calculus, q-calculus, special functions.

Conferences:

- Lecture
2nd International Conference on Mathematical and Related Sciences (ICMRS 2019)
- Lecture
International conference in mathematics and Mechanics 2015, in Paris, France.
- Lecture
American Mathematical Society A.M.S, Southern Illinois University, the 6th conference on Function Spaces. 2010. USA.
Title: *On the Distributional Mellin Transform and its Extension to a Boehmian Space.*
- Lecture
A.M.S, American University of Sharjah, the 1st international conference on mathematics and statistics. 2010. UAE.
Title: *The Mellin Transformation for a space distributions of Compact Support and its extension to Boehmian spaces*
- Member of the Academic Committee
The “ International Conference and Workshop on Mathematical Analysis ICWMA 2014 “ University Putra Malaysia, Malaysia. 2014
- Paper presentation
Indian Mathematical Society Meeting 71. 2005. India.
Tile: *Distributional Struve and Hankel Integral Transforms of Compact support*
- Attendance
The 2nd international symposium in nuclear energy, Faculty of Engineering Technology, Amman, 26-28 Oct. 2009. Jordan.
- Attendance
The 3rd international symposium in nuclear energy, Amman. 2010. Jordan.

- **Lecture**

The 3rd conference on mathematics and statistics, Zarqa private university. 2011. Jordan.
Title : A Mellin Transform for a Space of Lebesgue Integrable Boehmians.

Selected Publications

179- ussam Aljarrah, Mohammad Alaroud, Anuar Ishak, Maslina Darus , Shrideh Al-Omari and Mona Khandaqji, Laplace Fractional Residual Power Series Scheme For Caputo Time-Schrödinger Fractional Equations, Prog. Frac. Calculus and Applic. Scopus Q1, 2024, To Appear.

178-Rania Saadah, Mohammed Amleh, Ahmad Qazza, Shrideh Al-Omari and Ahmet Ocak Akdemir, Results Involving Partial Differential Equations and Their Solution by Certain, Integral Transform, Computer Modeling in Engineering & Sciences, CMES, **2024**, vol.138, no.2, 1593-1616. IF 2.4 ,**Q2**

177-M. Al-Smadi, Shrideh Al-Omari, S. Al Hazmi Y. Karaca, S. Momani, Novel travelling wave solutions of spatial temporal fractional model of dynamical Benjamin Bona Mahony system, Fractals, Fractals, Vol. 31, No. 10 (2023) 2340189 (23 pages), , **2023**, IF 4.6, **Q1**

176-S. Sivasankar, R. Udhayakumar, V. Muthukumaran, S. Al-Omari, Approximate Controllability Outcomes of Impulsive Second Order Stochastic Neutral Differential Evolution Systems, Contemporary Mathematics, 783,4,4,2-35.

175-Chanrabose Bose, Venkatesan Muthukumaran, Shrideh Al-Omari Hijaz Ahmad and Ramalingam Udhayakumar, Study on the Controllability of Hilfer Fractional Differential System with and without Impulsive Conditions via Infinite Delay, Nonlinear Analysis: Modelling and Control, Online First, 1–23 **2023**, IF 2.0, **Q1**

174-Javad Alidoustia , Mojtaba Fardia , Shrideh Al-Omari, Bifurcation analysis of impulsive fractional-order Beddington–DeAngelis prey–predator model, Nonlinear Analysis: Modelling and Control, Vol. 28, 1–17, **2023**. IF: **2.00**, **Q1**

173-S. Sivasankara, K. Nadhaprasadha, M. SathishKumarb, Shrideh Al-Omaric and R. Udhayakuma, New study on Cauchy problems of fractional stochastic evolution systems on an infinite interval, Math Methods Appl Sciences, To Appear, **2023**, IF: **3.313**, **Q1**

172- Haneen Khresat, Ahmad El-Ajo, Shrideh Al-Omari , Sharifah E. Alhazmi and Moa'ath N. Oqielat Exact and Approximate Solutions for Linear and Nonlinear Partial Differential Equations via Laplace Residual Power Series Method - Axioms 2023, 12, 694. , **2023**, IF: **2.00**, **Q1**

- 171-** Mohammad Alaroud, Abedel-Karrem Alomari, Nedat Tahat, Shrideh Al-Omari and Anuar Ishak, A Novel Solution Approach for Time-Fractional Hyperbolic Telegraph Differential Equation with Caputo Time Differentiation, *Mathematics* 2023, 11, 2181. 2-19. **2023, IF: 2.595, Q1.**
- 170-** E Amini, M Fardi, Shrideh Al-Omari, R Saadeh, Certain differential subordination results for univalent functions associated with Salagean operators, 2023, Volume 8, Issue 7: 15892-15906, *AIMS Mathematics*, **2023, IF: 2.739, Q1**
- 169-** Moa'ath N. Oqielat, Tareq Eriqat, Osama Ogilat, Ahmad El-Ajou, Sharifah E. Alhazmi and Shrideh Al-Omari, Laplace-Residual Power Series Method for Solving Time-Fractional Reaction-Diffusion Model, *Fractal Fract.* **2023, 7, 309, 1-16. 2023, IF: 3.313, Q1**
- 168-** Hamzeh Zureigat, Shrideh Al-Omari, A Solution of Complex Fuzzy Time-Fractional Heat Equation by an Explicit Scheme, *Proceedings of the IEEE*, , **2023, IF: 14.19, Q1.**
- 167-** Hamzeh Zureigat, Mohammed Al-Smadi, Areen Al-Khateeb, Shrideh Al-Omari and Sharifah Alhazmi, Numerical Solution for Fuzzy Time-Fractional Cancer Tumor Model with a Time-Dependent Net Killing Rate of Cancer Cells, *Int. J. Environ. Res. Public Health* **2023, 20, 3766, 1-13. 2023, IF: 4.614, Q1.**
- 166-** O. Obaidat, S. Al-Omari, M. Abdelhadi, S. Momani, M. Smadi, M. Alaroud, Certain results associated with q -fractional integrals and some application, *Proceedings of the IEEE*, 79-8-3503-2168-5/23 **2023, IF: 14.19, Q1.**
- 165-** Mohammed Alabedalhadi; Shrideh Al-Omari; Mohammed Al-Smadi; S. Alhazmi, Traveling wave solutions for time-fractional mKdV-ZK equation of weakly nonlinear ion-acoustic waves in magnetized electron-positron plasma, *Symmetry*, 15, 361, **2023, IF: 3.313, Q1.**
- 164-** Mohammed Alabedalhadi, Mohammed Shqair, Shrideh Al-Omari, Mohammed AlSmadi, Traveling wave solutions for complex space-time fractional Kundu-Eckhaus equation, *Mathematics*, 11, 404, **2023, IF: 2.595, Q1.**
- 163-** M. Alaroud, N. Tahat, O. Ababneh, S. Al-Omari and P. Agarwal, Certain Computational Method for Constructing Approximate Analytic Solution for Non-linear Time-Fractional Physical Problem, *Applied Mathematics in Science and Engineering*, To Appear **2023, IF: 1.440, Q1.**
- 162-** S. Sivasankar, R. Udhayakumar, Muchenedi Hari Kishor, Sharifah E Al Hazmi, S. Al-Omari, A new result concerning nonlocal controllability of Hilfer fractional stochastic differential equations via almost sectorial operators, *Mathematics*, 2023, 11, 159; 1-18, **2023, IF: 2.595, Q1.**
- 161-** Supaknaree Sattaso, Kamsing Nonlaopon, Hwajoon Kim, Shrideh Al-Omari, Certain Solutions of Abel's Integral Equations on Distribution Spaces via Distributional G_{α} -Transform, *Symmetry* 15(1), 53, 1-12, **2022, IF: 3.313, Q1.**

160- Rawya Al-Deiakeh, Mohammed Al-Smadi, Abdullah Yousuf, Shrideh Al-Omari, Shaher Momani, Explicit solutions for fractional chafee-infinite reaction diffusion coupled hierarchy system with conservation, *Mathematical Methods in the Applied Sciences, Math. Meth. Appl. Sci.* 2023;1–17. **2023, IF: 3.313, Q1.**

159- Hamzeh Zureigat, Mohammed Al-Smadi, Areen Al-Khateeb, Shrideh Al-Omari and Sharifah E. Alhazmi, Fourth-order numerical solutions for fuzzy time-fractional convection-diffusion equation under Caputo generalized Hukuhara derivative, *Fractal Fract.* 2023, 7, 47, 1-19, **2023, IF: 3.313, Q1.**

158- Mohammed Alabedalhadi, Mohammed Al-Smadi, Shrideh Al-Omari, Yeliz Karaca, Shaher Momani, New bright and kink soliton solutions for fractional complex Ginzburg-Landau equation with non-local nonlinearity term, *Fractal Fract.* 6, 724, 1-15, **2022, IF: 3.313, Q1.**

157- Rania Saadeh, Ahmad Qazza, Aliaa Burqan and Shrideh Al-Omari, On Time Fractional Partial Differential Equations and Their Solution by Certain Formable Transform Decomposition Method, *Computer Modeling in Engineering and Sciences*, 136, Number 3, 3121-3139, **2023 , IF: 2.027, Q2.**

156- E. Amini, M. Fardi, S. Al-Omari, and K. Nonlaopon, Duality for convolution on subclasses of analytic functions and weighted integral operators, *Demonstratio Mathematica*, 2023; 56: 20220168, 1-11, **2023, IF: 2.093, Q2.**

155- E. Amini, S. Al-Omari, M. Fardi, K. Nonlaopon, Duality on q -starlike functions associated with fractional q -integral operators and applications, *Symmetry* 14, 2076, 1-12, **2022, IF: 3.313, Q1.**

154- M. Alabedalhadi, S. Alhazmi, S. Al-Omari, M. Al-Smadi, S. Momani, Novel bright and kink optical soliton solutions of fractional Lakshmanan-Porsezian-Daniel equation with kerr law nonlinearity in conformable sense, *Fractals*, Vol. 31, No. 10 (**2023**) 2340004 (15 pages, **Q1, IF: 4.555.**

153- Mohammad Alneimat, Maher Moakher, Nadir Djeddi, and Shrideh Al-Omari, Numerical Solution of Fractional Model of Atangana-Baleanu-Caputo Integro-differential Equations with Integral Boundary Conditions, *Journal Applied Mathematics E-Notes*, To Appear, **2022, Scopus.**

152- Mohammed Al-Smadi, Shrideh Al-Omari, Yeliz Karaca and Shaher Momani, Effective analytical computational technique for conformable time-fractional nonlinear Gardner equation and Cahn-Hillard equations of fourth and sixth order emerging in dispersive media, *Journal of Function Spaces*, 2022, Article ID 4422186, 1-19, **2022, Q1, IF:1.281**

151- Kamsing Nonlaopon, Sansumpan Jirakulchaiwong, Jessada Tariboon, Sotiris K. Ntouyas, Shrideh Khalaf Al-Omari, On a system of (p,q) -analogues of the natural transform for solving (p,q) -differential equations, *Journal of Mathematics and Computer Science*, 29, 4, 369--386, *ESCI, Scopus*, **2023.**

- 150-** E. Amini, M. Fardi, S. Al-Omari, Kamsing Nonlaopon, Results on univalent functions defined by q -analogues of Salagean and Ruscheweh operators, *Symmetry* 14, 1725, 1-14, 2022, **IF: 3.313,Q1**.
- 149-** Mojtaba Fardi; Shrideh K. Qasem Al-Omari; Serkan Araci, A Pseudo-Spectral Method Based on Reproducing Kernel for Solving the Time-Fractional Diffusion-Wave Equation, *Advances in Continuous and Discrete Models: Theory and Applications*. 2022:5, 1-14. , 2022, **IF: 3.761,Q1**.
- 148-** Mohammad Alaroud, Nedat Tahat, Osama Ababneh, Shrideh Al-Omari, Analytic technique for solving temporal time-fractional gas dynamics equations with Caputo fractional derivative, *AIMS Mathematics*, 2022, 7,10, 17647-17669, **IF: 2.792, Q1**.
- 147-** T. Usman, N.U. Khan, M. Aman, S. Al-Omari, K. Nonlaopon , J. Choi , Some generalized properties of poly-Daehee numbers and polynomials based on Apostol-Genocchi polynomials, *Mathematics*, 10, 2502, 1-15, 2022, **IF: 2.595,Q1**.
- 146-** E. Amini, S. Al-Omari, H. Rahmatan, On geometric properties of certain subclass of univalent functions defined by Noor integral operator, *Analysis*, 42, 4, 1043, 2022. Scopus.
- 145-** Mohammed Shqair, Mohammed Alabedlhad, Shrideh Al-Omari and Mohammed Al-Smadi, Abundant exact travelling wave solutions for a fractional massive Thirring model using extended Jacobi elliptic function method, *Fractal Fract.* 2022, 6, 252,1-16. **2022 IF: 3.313,Q1**.
- 144-** Nabiullah Khan, Mohammad Khan, Talha Usman , Kamsing Nonlaopon and Shrideh Al-Omari, Unified Integrals of Generalized Mittag-Leffler Functions and Their Graphical Numerical Investigation , *Symmetry* 14, 869, 1-13, 2022, **IF: 3.313,Q1**.
- 143-** E Amini , S Al Omari, Kamsing Nonlaopon, Estimates for coefficients for coefficients of bi-univalent functions associated with a fractional q -difference operator, *Symmetry*, 14, 879, 1-13, 2022, **IF: 3.313, Q1**.
- 142-** Yousef Al-qudah, Mohammad Alaroud, Hamza Qoqazeh, Ali Jaradat Sharifah AlHazmi, Shrideh Al-Omari, Approximate Analytic-Numeric Fuzzy Solutions of Fuzzy Fractional Equations Using Residual Power Series Approach, *Symmetry* 2022, 14, 804, 1-19. **2022 IF: 3.313,Q1**.
- 141:** Mohammed Alabedlhad, Mohammed Al-Smadi, Shrideh Al-Omari, Shaher Momani, New optical soliton solutions for coupled resonant Davey-Stewartson system with conformable operator, *Optical and Quantum Electronics*, (2022) 54:39, 1-20, **2022 IF: 2.084,Q1**.
- 140:** Mohammad Abdelhadi , Sharifah Alhazmi and Shrideh Al-Omari, On a Class of Partial Differential Equations and Their Solution via Local Fractional Integrals and Derivatives, *Fractal Fract.* 2022, 6, 210, 1-15. **2022 IF: 3.313,Q1**.

139: S. Hasan, N. Harrouche, S. K. Q. Al-Omari, M. Al-Smadi, S. Momani, C. Cattani, Hilbert solution of fuzzy fractional boundary value problems, *Computational and Applied Mathematics*, 41,158, 1-22 **2022 IF: 2.713,Q1.**

138: shatha Hasan; Nadir Djeddi; Mohammed Al-Smadi; Shrideh Al-Omari; shaher momani; Andreea pulga, Numerical solvability of generalized Bagley-Torvik fractional models under Caputo-Fabrizio derivative, *Advances in Difference Equations*, 2021:469, 1-21, **2021 , IF:2.803, Q1.**

137: S. Chandak, D.L.Suthar, S.K.Al-Omari, S. Gulyaz-Ozyurt, Estimates of classes of generalized special functions and their application in the fractional (k,s)-calculus theory *Journal of Function Spaces*, Volume 2021, Article ID 9582879, 1- 10, **IF: 1.807, Q1.**

136: Mohammad Alaroud, Nedal Tahat, Shrideh Al-Omari, Dayalal Suthar, Selma Gulyaz-Ozyurt, An attractive approach associated with transform functions for solving certain fractional Swift-Hohenberg equation, *Journal of Function Spaces*, 2021, Article ID 3230272, 14, 1-14, **2021, IF1.807, Q1.**

135: Reem Edwan; Shrideh Al-Omari; Mohammed Al-Smadi; Shaher momani; Andreea Fulga, A new formulation of finite-difference and finite volume methods for solving a space-fractional convection-diffusion model with less error estimates, *Advances in Difference Equations*, (2021) 2021:510 , **2021 , IF:2.803, Q1.**

134: Shrideh Al-Omari; D. Suthar; Serkan Araci, A fractional q -integral operator associated with certain class of q -Bessel functions and q -generating series, *Advances in Continuous and Discrete Models: Theory and Applications*, (2021) 2021:441 , 1-13, **2021, IF:2.803, Q1.**

133: Radwan Abu-Gdairi , Shatha Hasan , Shrideh Al-Omari, Mohammad Al-Smadi and Shaher Momani, Attractive Multistep Reproducing Kernel Approach for Solving Stiffness Differential Systems of Ordinary Differential Equations and Some Error Analysis, *Computer Modeling in Engineering & Sciences*, **130, 1, 299-313, 2022. IF:1.593.**

132: Shaher Momani , Nadir Djeddi , Mohammed Al-Smadi , Shrideh Al-Omari, Numerical investigation for Caputo-Fabrizio fractional Riccati and Bernoulli equations using iterative reproducing kernel method, *Applied Numerical Mathematics*, 170, s 418-434, **2021. , IF:2.468, Q1.**

131: Shrideh Al-Omari; Ghaleb_gumah, Jafar.alomari, Dynamics of a harvested stage-structured predator-prey model with distributed maturation, *Mathematical Methods in the Applied Sciences*, 45,2, 761-769, **2021. , IF:2.321, Q1.**

130: Shrideh Al-Omari; H. Almusawa; K. Nisar, A new aspect of generalized integral operator and an estimation in a generalized function theory, *Advances in Continuous and Discrete Models: Theory and Applications*, 357 (2021) **2021, 1-14, IF:2.803, Q1.**

129: Shrideh Al-Omari; Serkan Araci, Certain fundamental properties of generalized natural transform in generalized spaces, *Advances in Difference Equations*, 163 (2021) , **2021, 1-13 , IF:2.803, Q1.**

- 128:** Shrideh Al-Omari; Serkan Araci; Mohammed Al-Smadi , A new structure of an integral operator associated with trigonometric Dunkl settings, *Advances in Difference Equations*, 336 (2021) **2021**, 1-11, **IF:2.803, Q1.**
- 127:** Shrideh Al-Omari; Estimates and properties of certain q -Mellin transform on generalized q -calculus theory, *Advances in Difference Equations*, 233 (2021) **2021**, 1-11, **IF:2.803, Q1.**
- 126:** Mohammed Al-Smadi; Nadir Djeddi; Shaher momani; Shrideh Al-Omari; Serkan Araci, An attractive numerical algorithm for solving nonlinear Caputo-Fabrizio fractional Abel differential equation in a Hilbert space, *Advances in Difference Equations*, 271 (2021), **2021**, 1-19, **IF:2.803, Q1.**
- 125:** N. Vrinceanu, N. D. Pop, S. Al-Omari, N. Ouerfelli, D. Baleanu, K. Nisar, On the solution of a parabolic PDF involving a gas flow through a semi-infinite porous medium, *Results in Physics*, 22(2021):103884, **2021**, 1-10, **IF:4.476, Q1.**
- 124:** S. Chandak, D.L. Suthar, S. Al-Omari, S. Gulyaz-Ozyurt, Estimates of classes of generalized special functions and their application in the fractional (k,s) -calculus theory, *Journal of Function Spaces*, 2021, Article ID 9582879, 1-10, **2021** , **IF: 1.807, Q1.**
- 123** Nabiullah Khan, Talha Usman, Mohd Aman, Shrideh Al-Omari and Junesang Choi, Integral transforms and probability distributions involving generalized hypergeometric function, *Georgian Journal of Mathematics*, doi.org/10.1515/gmj-2021-2105, **2021**, 1-12, **IF:0.532.**
- 122:** Shrideh Al-Omari; The q -Sumudu transform and its certain properties in a generalized q -calculus theory, *Advances in Difference Equations*, 10(2021), 1-13, **2021**, **IF:2.803, Q1.**
- 121** Shrideh Al-Omari; D. Baleanu; K. S. Nisar, δ -beta-Gabor integral operators for a space of locally integrable generalized functions, *Advances in Difference Equations*, 500(2020), 1-11 , **2020**, **IF:2.803, Q1.**
- 120:** Ayasrah, Mohammed; AL-Smadi, Mohammed; Al-Omari, Shrideh; Baleanu, Dumitru; Momani, Shaher, Structure of optical soliton solution for nonlinear resonant space-time Schrödinger equation in conformable sense with full nonlinearity term, *Physica Scripta*, 95, 10, 105215, 1-11, **2020**, **IF:2.487, Q1.**
- 119:** S. Chandak; Shrideh Al-Omari; D. Suthar, Unified integral associated with generalized V -function, *Advances in Difference Equations*, 560 (2020), 1-11, **2020**, **IF:2.803, Q1.**
- 118:** G. Gumah, M. Naser, M. Al-Smadi, S.A;-Omari, D. Baleanu, Numerical solutions of hybrid fuzzy differential equations in a Hilbert space, *Applied Numerical Mathematics*, 151, 402-412, **2020** , **IF:2.468, Q1.**
- 117:** Shrideh Al-Omari, Extension of generalized Fox's H -function operator to certain set of generalized integrable functions, *Advances in Difference Equations*, 448 (2020) 1-11, **2020**, **IF:2.803, Q1.**

- 116:** Nabiullah Khan; Talha Usman; Mohd Aman; Shrideh Al-Omari; Serkan Araci, Computation of certain integral formulas involving generalized wright function , *Advances in Difference Equations*, 491 (2020), 1-11, **2020** , **IF:2.803, Q1**.
- 115:** S.K.Q. Al-Omari, On Some Variant of a Whittaker Integral Operator and its representative in a Class of Square Integrable Boehmians, *Boletim da Sociedade Paranadade de Matematics* , V.38,1, 173–183, **2020**.
- 114:** Shrideh K. Al-Omari, On a q -Laplace-type integral operator and certain class of series expansion, *Mathematical Methods in Applied Sciences*, 44, 10, 1-12, **2021**. **IF:2.321, Q1**.
- 113:** Shrideh Al-Omari; Serkan Araci; Mohammed al-Smadi; Ghaleb Gumah; Hussam Rabaieh, Estimates of certain paraxial diffraction integral operator and its generalized properties, *Advances in Difference Equations*, 403(2020), **2020, 1-12** , **IF:2.803, Q1**.
- 112:** S.K.Q. Al-Omari, A study on a class of modified Bessel-type integrals in a Fréchet space of Boehmians, *Boletim da Sociedade Paranaense de Matemática*, 38, 4, 145–156 , **2020**.
- 111:** Shrideh K. Al-Omari, Estimation of a modified integral associated with a special function kernel of Fox's H-function type, *Communications of the Korean Mathematical Society* , 35(1)(**2020**), 125-136.
- 110:** Shrideh Al-Omari, q -analogues and properties of the Laplace-type integral operator in the quantum calculus theory, *Journal of Inequalities and Applications*, 203(2020) **2020**, 1-14. **IF:2.491, Q1**.
- 109:** Shrideh K. Al-Omari and D. Baleanu, A quadratic-phase integral operator for sets of generalized integrable functions, *Mathematical Methods in the Applied Sciences* 43,7, 1-11, **2019**. **IF:2.321, Q1**.
- 108** S.K.Q. Al-Omari, Class of integral operators for a set of Boehmians functions, *Lecture Notes in Networks and Systems book series LNNS123*, 87-95, **2020**.
- 107:** S.K.Q. Al-Omari, On some Whittaker transform of a special function kernel for a class of generalized functions, *Nonlinear Studies*, 26, 2, 435-443, **2019** .
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