

Saira Zainab

Associate Professor

School of Electrical Engineering and Computer Science

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About

Dr. Saira Zainab is working as Associate Professor in the School of Electrical Engineering and Computer Science. Dr. Saira Zainab has a PhD in Mathematics. Dr. Saira Zainab has published 35 research articles & conference papers having a citation count of 321, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics	2008 - 2012
COMSATS Institute of Information Technology , Pakistan	
MS in Mathematics	2006 - 2008
COMSATS Institute of Information Technology , Pakistan	
MSc in Mathematics	2002 - 2004
University of the Punjab , Pakistan	
BSc in Mathematics	1997 - 1999
University of the Punjab , Pakistan	
F.Sc in Humanities	1995 - 1997
BISE, Rawalpindi , Pakistan	
Matric (SSC) in Science	1993 - 1995
BISE, Rawalpindi , Pakistan	

Experience

Associate Professor	2021- Present
School of Electrical Engineering and Computer Science	
Assistant Professor	2020 - 2021
School of Electrical Engineering and Computer Science	
Assistant Professor	2019 - 2020
University of Wah , Quaid Avenu, Wah Cantt	
Assistant Professor	2017 - 2018
University of Islamabad , Bahria Golf City, Bhara Kahu, Islamabad	
Assistant Professor	2016 - 2017
Fatima Jinnah Women University, Rawalpindi , The Mall, Rawalpindi	
Assistant Professor	2010 - 2014
HITEC University, Taxila , Taxila	

Research Articles

Hankel determinants for q-starlike functions connected with q-sine function	2025
Yusra Taj Saira Zainab Qin Xin Fairouz Tchier Sarfraz Nawaz Malik	
Demonstratio Mathematica , Volume 58, Issue 1, Pages 1-24	
Impact Factor: 2.100 Quartile: 1	
DOI: https://doi.org/10.1515/dema-2024-0044	
On Certain Inequalities for Several Kinds of Strongly Convex Functions for q-h-Integrals	2023
Ghulam Farid Wajida Akram Ferdous M. O. Tawfiq Jong-Suk Ro Fairouz Tchier Saira Zainab	
Fractal and Fractional , Volume 7, Issue 10, Article Number 705	
Impact Factor: 5.4 Quartile: 1 Citations: 1	

DOI: 10.3390/fractalfract7100705	
Coefficient Inequalities of q-Bi-Univalent Mappings Associated with q-Hyperbolic Tangent Function <i>Timilehin Gideon Shaba Serkan Araci Jong-Suk Ro Fairouz Tchier Babatunde Olufemi Adebessin Saira Zainab</i> <i>Fractal and Fractional</i> , Volume 7, Issue 9, Article Number 675 Impact Factor: 5.4 Quartile: 1 Citations: 3 DOI: 10.3390/fractalfract7090675	2023
A Generalized Convexity and Inequalities Involving the Unified Mittag–Leffler Function <i>Ghulam Farid Hafa Tariq Ferdous M. O. Tawfiq Jong-Suk Ro Saira Zainab</i> <i>Axioms</i> , Volume 12(8), Article Number 795 Impact Factor: 2.0 Quartile: 2 Citations: 1 DOI: https://doi.org/10.3390/axioms12080795	2023
On Bounds of k-Fractional Integral Operators with Mittag-Leffler Kernels for Several Types of Exponentially Convexities <i>Ghulam Farid Hala Safdar Khan Ferdous M. O. Tawfiq Jong-Suk Ro Saira Zainab</i> <i>Fractal and Fractional</i> , Volume 7, Issue 8, Article Number 617 Impact Factor: 5.4 Quartile: 1 Citations: 1 DOI: 10.3390/fractalfract7080617	2023
Sharp Bounds of the Fekete–Szegő Problem and Second Hankel Determinant for Certain Bi-Univalent Functions Defined by a Novel q-Differential Operator Associated with q-Limaçon Domain <i>Timilehin Gideon Shaba Serkan Araci Babatunde Olufemi Adebessin Fairouz Tchier Saira Zainab Bilal Khan</i> <i>Fractal and Fractional</i> , Volume 7, Issue 7, Article Number 506 Impact Factor: 5.4 Quartile: 1 Citations: 21 DOI: 10.3390/fractalfract7070506	2023
Sharp Bounds on Hankel Determinants for Certain Subclass of Starlike Functions <i>Zhi-Gang Wang Muhammad Arif Zhi-Hong Liu Saira Zainab Rabia Fayyaz Muhammad Ihsan Meshal Shutaywi</i> <i>Journal of Applied Analysis and Computation</i> , Volume 13, Issue 2, Pages 860-873 Impact Factor: 1.1 Quartile: 3 Citations: 17 DOI: 10.11948/20220180	2023
Certain Coefficient Problems for q-Starlike Functions Associated with q-Analogue of Sine Function <i>Yusra Taj Saira Zainab Qin Xin Ferdous M. O. Tawfiq Mohsan Raza Sarfraz Nawaz Malik</i> <i>Symmetry</i> , Volume 14(10), Article Number 2200 Impact Factor: 2.7 Quartile: 2 Citations: 13 DOI: https://doi.org/10.3390/sym14102200	2022
Partial sums of analytic functions defined by binomial distribution and negative binomial distribution <i>Saira Zainab Rubab Nawaz Fairouz Tchier Qin Xin Afis Saliu Sarfraz Nawaz Malik</i> <i>Applied Mathematics in Science and Engineering</i> , Volume 30, Issue 1, Pages 554-572 Impact Factor: N/A DOI: https://doi.org/10.1080/27690911.2022.2109630	2022
On convex functions associated with symmetric cardioid domain <i>Saira Zainab Rabbiya Manzoor Janusz Sokół Qin Xin Mohsan Raza Sarfraz Nawaz Malik</i> <i>Symmetry</i> , Volume 13, Issue 12, Article Number 2321 Impact Factor: 2.940 Quartile: 2 Citations: 11 DOI: https://doi.org/10.3390/sym13122321	2021
On q-Starlike Functions Defined by q-Ruscheweyh Differential Operator in Symmetric Conic Domain <i>Saira Zainab Mohsan Raza Qin Xin Mehwish Jabeen Sarfraz Nawaz Malik Sadia Riaz</i> <i>Symmetry</i> , Volume 13(10), Article Number 1947 Impact Factor: 2.940 Quartile: 2 Citations: 15 DOI: 10.3390/sym13101947	2021
Radius Problems for Starlike Functions Associated with the Tan Hyperbolic Function <i>Saira Zainab Muhammad Arif Khalil Ullah Maslina Darus Meshal Shutaywi</i> <i>Journal of Function Spaces</i> , Volume 2021, Article ID 9967640, 15 pages Impact Factor: 1.807 Quartile: 1 Citations: 23 DOI: https://doi.org/10.1155/2021/9967640	2021
An entropy based salient edge enhancement using fusion process <i>Saira Zainab Nazeer Muhammad Nargis Bibi Muhammad Arif Shah Ihsan Ullah Zahid Mahmood</i>	2021

<i>Applied Mathematical Modelling</i> , Volume 93, Pages 525-537	
Impact Factor: 5.336 Quartile: 1 Citations: 3	
DOI: https://doi.org/10.1016/j.apm.2020.12.002	
Sufficiency Criteria for q-Starlike Functions Associated with Cardioid	2021
<i>Saira Zainab Ayesha Shakeel Muhammad Imran Nazeer Muhammad Hira Naz Sarfraz Nawaz Malik Muhammad Arif</i>	
<i>Journal of Function Spaces</i> , Volume 2021, Article ID 9999213, 9 pages	
Impact Factor: 1.281 Quartile: 2 Citations: 9	
DOI: https://doi.org/10.1155/2021/9999213	
On starlike functions associated with cardioid domain	2021
<i>Saira Zainab Mohsan Raza Janusz Sokol Sarfraz Nawaz Malik</i>	
<i>Publications de l'Institut Mathematique-Beograd</i> , Volume 109(123), Pages 95-107	
Impact Factor: 0 Citations: 6	
DOI: https://doi.org/10.2298/PIM2123095Z	
Analytic Functions Associated with Cardioid Domain	2020
<i>Janusz Sokol Sarfraz Nawaz Malik Mohsan Raza Janusz Sokol Sarfraz Nawaz Malik Mohsan Raza Saira Zainab</i>	
<i>Turkish Journal of Mathematics</i> , Volume 44, Page 1127-1136	
Impact Factor: 0.803 Quartile: 3 Citations: 13	
DOI: doi:10.3906/mat-2003-96	
On a unified integral operator for ϕ-convex functions	2020
<i>Young Chel Kwun Moquddsa Zahra Ghulam Farid Shin Min Kang Young Chel Kwun Moquddsa Zahra Ghulam Farid Saira Zainab Shin Min Kang</i>	
<i>Advances in Difference Equations</i> , Volume 2020, Article Number 297	
Impact Factor: 2.803 Quartile: 1 Citations: 5	
DOI: https://doi.org/10.1186/s13662-020-02761-3	
Localization of Radiance Transformation for Image Dehazing in Wavelet Domain	2020
<i>Hira Khan Muhammad Sharif Sajjad A. Haider Jamal H. Shah Yasir Bashir Nazeer Muhammad Nargis Bibi Muhammad Usman Hira Khan Muhammad Sharif</i>	
<i>Sajjad A. Haider Jamal H. Shah Yasir Bashir Nazeer Muhammad Nargis Bibi Muhammad Usman Saira Zainab</i>	
<i>Neurocomputing</i> , Volume 381, Page 141-151	
Impact Factor: 5.719 Quartile: 1 Citations: 45	
DOI: https://doi.org/10.1016/j.neucom.2019.10.005	
On starlikeness and uniform convexity of certain integral operators defined by Struve functions	2019
<i>Sarfraz Nawaz Malik Mohsan Raza Saira Zainab Neelam Shahzadi Wasim Ul Haq</i>	
<i>Maejo International Journal of Science and Technology</i> , Volume 13, Issue 02, Page 82-95	
Impact Factor: 0.326 Quartile: 4	
DOI: Not available	
Fekete-Szegő Problem of functions Associated with Hyperbolic Domains	2019
<i>Sarfraz Nawaz Malik Sidra Riaz Mohsan Raza Saira Zainab Sarfraz Nawaz Malik Sidra Riaz Mohsan Raza</i>	
<i>Sahand Communications in Mathematical Analysis</i> , Volume 14, Issue 01, Page 73-88	
Impact Factor: - Citations: 2	
DOI: DOI: 10.22130/scma.2018.75275.329	
A Certain Family of Integral Operators Associated with the Struve Functions	2019
<i>Shahid Mahmood H. M. Srivastava Sarfraz Nawaz Malik Saira Zainab Mohsan Raza Neelam Shahzadi</i>	
<i>Symmetry</i> , Volume 11, Issue 04, Article Number 463	
Impact Factor: 2.645 Quartile: 2 Citations: 5	
DOI: doi:10.3390/sym11040463	
Coefficient Inequalities of Functions Associated with Hyperbolic Domain	2019
<i>Sarfraz Nawaz Malik Nazeer Muhammad Shahid Mahmood Mohsan Raza Sumbal Farman Saira Zainab</i>	
<i>Mathematics</i> , Volume 07, Issue 01, Article Number 88	
Impact Factor: 1.747 Quartile: 1 Citations: 3	
DOI: doi:10.3390/math7010088	
Coefficient Inequalities of Functions Associated with Petal Type Domain	2018
<i>Saira Zainab Sarfraz Nawaz Malik Shahid Mahmood Mohsan Raza Sumbal Farman</i>	
<i>Mathematics</i> , Volume 06, Issue 12, Article Number 298	
Impact Factor: 1.105 Quartile: 1 Citations: 22	
DOI: doi:10.3390/math6120298	

(G'/G, 1/G)-Expansion method for generalized ZK, Sharma–Tasso–Olver (STO) and modified ZK equations	2013
<i>Aysha Ghafoor Sahar Firdous Tamour Zubair Amna Iftikhar Saira Zainab Syed Tauseef Mohyud-Din</i> <i>QScience Connect</i> , Volume 2013, Issue 1, Article Number 24	
Impact Factor: 0 DOI: https://doi.org/10.5339/connect.2013.24	
Some iterative methods for solving nonconvex bifunction equilibrium variational inequalities	2012
<i>Saira Zainab Khalida Inayat Noor Muhammad Aslam Noor</i> <i>Journal of Applied Mathematics</i> , Volume 2012, Article ID 280451, 10 pages	
Impact Factor: 0.834 Quartile: 2 Citations: 6 DOI: https://doi.org/10.1155/2012/280451	
Implicit methods for equilibrium problems on Hadamard manifolds	2012
<i>Saira Zainab Muhammad Aslam Noor Yonghong Yao</i> <i>Journal of Applied Mathematics</i> , Volume 2012, Article ID 437391, 9 pages	
Impact Factor: 0.834 Quartile: 2 Citations: 9 DOI: https://doi.org/10.1155/2012/437391	
Regularized Mixed Variational-Like Inequalities	2012
<i>Saira Zainab Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said</i> <i>Journal of Applied Mathematics</i> , Volume 2012, Article ID 863450, 14 pages	
Impact Factor: 0.834 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1155/2012/863450	
Study on unified implicit methods for solving variational inequalities	2012
<i>Saira Zainab Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-said Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-said</i> <i>International Journal of Physical Sciences</i> , Volume 07, Issue 02, Page 222-225	
Impact Factor: - Citations: 1 DOI: DOI: 10.5897/IJPS11.1148	
Some iterative algorithms for solving regularized mixed quasi variational inequalities	2011
<i>Saira Zainab Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said</i> <i>International Journal of Physical Sciences</i> , Volume 06, Issue 28, Page 6505-6512	
Impact Factor: - DOI: DOI: 10.5897/IJPS11.972	
Mixed equilibrium variational inequalities	2011
<i>Saira Zainab Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said</i> <i>International Journal of Physical Sciences</i> , Volume 06, Issue 23, Pages 5412-5418	
Impact Factor: - DOI: DOI: 10.5897/IJPS11.792	
Proximal algorithms for solving mixed bifunction variational inequalities	2011
<i>Saira Zainab Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said Muhammad Aslam Noor Khalida Inayat Noor Eisa Al-Said</i> <i>International Journal of Physical Sciences</i> , Volume 06, Issue 17, Page 4203-4207	
Impact Factor: - DOI: DOI: 10.5897/IJPS11.617	
On a Predictor- Corrector Method for solving invex equilibrium problems	2009
<i>Saira Zainab Muhammad Aslam Noor Khalida Inayat Noor Muhammad Aslam Noor Khalida Inayat Noor</i> <i>Nonlinear Analysis</i> , Volume 71, Issue 7-8, Page 3333-3338	
Impact Factor: 1.487 Quartile: 1 Citations: 7 DOI: https://doi.org/10.1016/j.na.2009.01.235	
Mixed Equilibrium problems and optimization problems	2009
<i>Saira Zainab Yonghong Yao M. Aslam Noor Yeong-Cheng Liou</i> <i>Journal of Mathematical Analysis and Applications</i> , Volume 354, Issue 01, Page 319-329	
Impact Factor: 1.225 Quartile: 1 Citations: 70 DOI: https://doi.org/10.1016/j.jmaa.2008.12.055	
Mixed Quasi Complementarity Problems in Topological Vector Spaces	2008
<i>Saira Zainab Ali P. Farajzadeh Muhammad Aslam Noor</i> <i>Journal of Global Optimization</i> , Volume 45, Pages 229-235	

Impact Factor: 1.062 | **Quartile:** 2 | **Citations:** 7

DOI: DOI 10.1007/s10898-008-9368-9

General Wiener–Hopf Equations and Nonexpansive Mappings

2008

Saira Zainab Muhammad Aslam Noor H. Yaqoob Muhammad Aslam Noor H. Yaqoob

Journal of Mathematical Inequalities, Volume 02, Issue 02, Page 215–227

Impact Factor: N/A

DOI: dx.doi.org/10.7153/jmi-02-19

Editorial Activities

Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2023
Smmetry Reviewed Papers for Journals Impact Factor: 2.7	2023
Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2023
Applied Sciences Reviewed Papers for Journals Impact Factor: 2.7	2023
Mathematics Reviewed Papers for Journals Impact Factor: 2.4	2023
Axioms Reviewed Papers for Journals Impact Factor: 2.0	2023
Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2023
Symmetry-Basel Editor in Chief of Journal Impact Factor: 2.7	2023
Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2023
Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2022
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Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2022
Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.7	2022
Journal of Function Spaces Reviewed Papers for Journals Impact Factor: 1.281	2022
Electronics Reviewed Papers for Journals Impact Factor: 2.690	2022
Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.713	2022