

Faiz Ullah

Associate Professor

College of Electrical & Mechanical Engineering

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About

Dr. Faiz Ullah is working as Associate Professor in the College of Electrical & Mechanical Engineering. Dr. Faiz Ullah has a PhD in Applied Math. Dr. Faiz Ullah has published 43 research articles & conference papers having a citation count of 226, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Applied Math	2009 - 2012
Ocean University of China , China	
MPhil in Applied Math	2005 - 2007
NUST, Islamabad , Pakistan	
MSc in Applied Math	2002 - 2004
Quaid-i-Azam University , Pakistan	
BSc in Preengineering	1997 - 1999
University of Peshawar , Pakistan	
F.Sc in Preengineering	1997 - 1999
BISE, Peshawar , Pakistan	
Matric (SSC) in Science	1995 - 1997
BISE, Peshawar , Pakistan	

Experience

Associate Professor	2019- Present
College of Electrical & Mechanical Engineering	
Assistant Professor	2017 - 2019
College of Electrical & Mechanical Engineering	
Assistant Professor	2013 - 2017
College of Electrical & Mechanical Engineering	
Assistant Professor	2012 - 2013
College of Electrical & Mechanical Engineering	
Lecturer	2007 - 2012
College of Electrical & Mechanical Engineering	
Research Fellow	2018 - 2019
Commonwealth Commission UK , Swansea University of UK	

Research Articles

Fractional stochastic functional differential equations with non-Lipschitz condition	2025
Rahman Ullah Maryam A Alghafli Nabil Mlaiki Muhammad Farooq Faiz Ullah	
AIMS Mathematics , Volume 10(3), Pages 7127-7143	
Impact Factor: 1.800 Quartile: 1 Citations: 2	
DOI: 10.3934/math.2025325	
On the existence-uniqueness and exponential estimate for solutions to stochastic functional differential equations driven by G-Lévy process	2025
Faiz Ullah Rahman Ullah Ihteram Ali Muhammad Farooq M. A. Rana Fuad A. Awwad	
Advances in Continuous and Discrete Models , Volume 2025, Article Number 4	

Impact Factor: 2.300 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1186/s13662-024-03856-x	
Trajectory optimization and obstacle avoidance of autonomous robot using Robust and Efficient Rapidly Exploring Random Tree <i>Naeem Ul Islam Kaynat Gul Faiz Ullah Syed Sajid Ullah Ikram Syed</i> <i>PloS One</i> , Vol: 19(10), Article Number: e0311179, Pages: 24 Impact Factor: 2.9 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1371/journal.pone.0311179	2024
The Convergence and Boundedness of Solutions to SFDEs with the G-Framework <i>Rahman Ullah Faiz Ullah Quanxin Zhu</i> <i>Mathematics</i> , 12(2), 279 Impact Factor: 2.4 Quartile: 1 DOI: https://www.preprints.org/manuscript/202308.1519/v1	2024
A Theoretical Investigation of the SARS-CoV-2 Model via Fractional Order Epidemiological Model <i>Tahir Khan Rahman Ullah Thabet Abdeljawad Manar A. Alqudah Faiz Ullah</i> <i>Computer Modelling in Engineering & Sciences</i> , Volume 135(2), Pages 1295-1313 Impact Factor: 2.027 Quartile: 2 Citations: 3 DOI: 10.32604/cmes.2022.022177	2023
The Carathéodory approximation scheme for stochastic differential equations with G-Lévy process <i>Faiz Ullah Naeem Ul Islam Rahman Ullah</i> <i>Mathematical Methods in the Applied Sciences</i> , Pages 1-11 Impact Factor: 3.007 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1002/mma.9308	2023
A Novel Row Index Mathematical Procedure for the Mitigation of PV Output Power Losses during Partial Shading Conditions <i>Muhammad Zeeshan Naeem Ul Islam Faiz Ullah Ihsan Ullah Khalil Jaebyung Park</i> <i>Symmetry</i> , Volume 15(3), Article Number 768 Impact Factor: 2.940 Quartile: 2 Citations: 4 DOI: https://doi.org/10.3390/sym15030768	2023
The dynamics of novel corona virus disease via stochastic epidemiological model with vaccination <i>Rahman Ullah Qasem Al Mdallal Tahir Khan Roman Ullah Basem Al Alwan Faiz Ullah Quanxin Zhu</i> <i>Scientific Reports</i> , Vol:13, Article number: 3805 Impact Factor: 4.996 Quartile: 2 Citations: 11 DOI: 10.1038/s41598-023-30647-3	2023
A Mesh-Free Collocation Method Based on RBFs for the Numerical Solution of Hunter–Saxton and Gardner Equations <i>Rahman Ullah Ihteram Ali Sadaf Shaheen Tahir Khan Faiz Ullah Hamid Rahman</i> <i>Mathematical Problems in Engineering</i> , Volume 2022, Article ID 2152565, 11 pages Impact Factor: 0 Citations: 2 DOI: https://doi.org/10.1155/2022/2152565	2022
On the existence and mean square stability of neutral stochastic functional differential equations driven by G-Lévy process <i>Faiz Ullah Rahman Ullah Quanxin Zhu</i> <i>Mathematical Methods in the Applied Sciences</i> , Pages 1-12 Impact Factor: 2.321 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1002/mma.8121	2022
The existence–uniqueness and exponential estimate of solutions for stochastic functional differential equations driven by G-Brownian motion <i>Faiz Ullah Quanxin Zhu Rahman Ullah Quanxin Zhu Rahman Ullah</i> <i>Mathematical Methods in the Applied Sciences</i> , Pages 1-12 Impact Factor: 2.321 Quartile: 1 Citations: 14 DOI: https://doi.org/10.1002/mma.6867	2020
A Note on the Approximate Solutions for Stochastic Differential Equations Driven by G-Brownian Motion <i>R. Ullah Faiz Ullah Jihen Majdoubi I. Tlili I. Khan Ghaus ur Rahman</i> <i>Journal of Computational Analysis and Applications</i> , Volume 28(5), Pages 798-807	2020

<p>Impact Factor: -</p> <p>DOI: http://www.eudoxuspress.com/images/JOCAAA-VOL-28-2020-ISSUE-5.pdf#page=34</p>	
<p>On boundedness and convergence of solutions for neutral stochastic functional differential equations driven by G-Brownian motion</p> <p><i>Faiz Ullah</i></p> <p><i>Advances in Difference Equations</i>, Article number: 289, Page 1-16</p> <p>Impact Factor: 2.421 Quartile: 1 Citations: 8</p> <p>DOI: DOI: 10.1186/s13662-019-2218-x</p>	2019
<p>On stochastic pantograph differential equations in the G-framework</p> <p><i>Faiz Ullah</i></p> <p><i>Journal of Computational Analysis and Applications</i>, Volume 26, Issue 5, Pages 819-831</p> <p>Impact Factor: 0</p> <p>DOI: http://www.eudoxuspress.com/images/JOCAAA-VOL-26-2019-ISSUE-5.pdf</p>	2019
<p>Estimates for the difference between approximate and exact solutions to stochastic differential equations in the G-framework</p> <p><i>Faiz Ullah Ilyas Khan Mukhtar M. Salah Ziyad Ali Alhussain</i></p> <p><i>Journal of Taibah University for Science</i>, Volume: 13 Issue: 1 Pages: 20-26</p> <p>Impact Factor: 1.863 Quartile: 2 Citations: 3</p> <p>DOI: 10.1080/16583655.2018.1519884</p>	2019
<p>The p-moment exponential estimates for neutral stochastic functional differential equations in the G-framework</p> <p><i>Faiz Ullah A.A. Memom M.A. Rana Muhammad Hanif</i></p> <p><i>Journal of Computational Analysis and Applications</i>, Volume 26, Issue 1, Pages 81-90</p> <p>Impact Factor: N/A</p> <p>DOI: http://www.eudoxuspress.com/images/JOCAAA-VOL-26-2019-ISSUE-1.pdf</p>	2019
<p>Qualitative behavior of a second-order fuzzy difference equation</p> <p><i>Ghaus ur Rahman Qamar Din Faiz Ullah Faiz Muhammad Khan</i></p> <p><i>Journal of Intelligent & Fuzzy Systems</i>, Volume: 34 Issue: 1 Pages: 745-753</p> <p>Impact Factor: 1.637 Quartile: 3 Citations: 15</p> <p>DOI: 10.3233/JIFS-17922</p>	2018
<p>Existence and stability of solutions to non-linear neutral stochastic functional differential equations in the framework of G-Brownian motion</p> <p><i>Faiz Ullah M Bux MA Rana Ghaus ur Rahman</i></p> <p><i>Advances in Difference Equations</i>, Volume 2017, Article Number: 350</p> <p>Impact Factor: 1.066 Quartile: 1 Citations: 19</p> <p>DOI: 10.1186/s13662-017-1400-2</p>	2017
<p>On existence and approximate solutions for stochastic differential equations in the framework of G-Brownian motion</p> <p><i>Faiz Ullah Rahman Ullah</i></p> <p><i>European Physical Journal Plus</i>, Volume: 132 Issue: 10 Article Number: 435</p> <p>Impact Factor: 2.24 Quartile: 2 Citations: 19</p> <p>DOI: 10.1140/epjp/i2017-11700-9</p>	2017
<p>On Existence and Comparison Results for Solutions to Stochastic Functional Differential Equations in the G-Framework</p> <p><i>Faiz Ullah Matloob-Ur-Rehman Muhammad Shahzad M. Ikhlaq Chohan</i></p> <p><i>Journal of Computational Analysis & Applications</i>, Volume: 23 Issue: 4 Pages: 693-702</p> <p>Impact Factor: N/A</p> <p>DOI: http://www.eudoxuspress.com/images/JOCAAA-2017-VOL-23-ISSUE-4.pdf</p>	2017
<p>On the Uniqueness Results and Value Distribution of Meromorphic Mappings</p> <p><i>Faiz Ullah Xiao-Min Li Rahman Ullah Hong-Xun Yi Riaz Ahmad Khan</i></p> <p><i>Mathematics</i>, Volume: 5, Issue: 3, Article Number: 42</p> <p>Impact Factor: N/A Citations: 1</p> <p>DOI: 10.3390/math5030042</p>	2017
<p>A Note on pth Moment Estimates for Stochastic Functional Differential Equations in the Framework of G-Brownian Motion</p>	2017

<p><i>Faiz Ullah</i> <i>Iranian Journal of Science and Technology, Transactions A: Science</i>, Volume 41, Issue 4, Pages 1131–1138 Impact Factor: 0.757 Quartile: 3 Citations: 16 DOI: 10.1007/s40995-016-0067-y</p>	
<p>Existence and uniqueness of solutions to SFDEs driven by G-Brownian motion with non-Lipschitz conditions</p> <p><i>Faiz Ullah</i> <i>Computational analysis and applications</i>, Volume 23, Issue 2, Pages 344-354 Impact Factor: N/A DOI: http://www.eudoxuspress.com/images/JOCAAA-VOL-23-2017-ISSUE-II.pdf</p>	2017
<p>On Periodicity and Uniqueness of Meromorphic Functions</p> <p><i>Rahman Ullah Xiao-Min Li Faiz Ullah Rahman Ullah Xiao-Min Li</i> <i>Journal of Computational and Theoretical Nanoscience</i>, Volume 14, Number 2, Pages 910-917 Impact Factor: 0 Citations: 1 DOI: https://doi.org/10.1166/jctn.2017.6378</p>	2017
<p>A Note on Stochastic Functional Differential Equations Driven by G-Brownian Motion with Discontinuous Drift Coefficients</p> <p><i>Faiz Ullah Aamir Mukhtar M. A. Rana</i> <i>Journal of Computational Analysis & Applications</i>, Volume: 21 Issue: 5 Pages: 910-919 Impact Factor: 0.609 Quartile: 4 DOI: 27750</p>	2016
<p>On the pth moment estimates of solutions to stochastic functional differential equations in the G-framework</p> <p><i>Faiz Ullah</i> <i>SpringerPlus</i>, Volume: 5, Article Number: 872 Impact Factor: 1.130 Quartile: 2 Citations: 14 DOI: 10.1186/s40064-016-2388-x</p>	2016
<p>Slow manifolds in chemical kinetics</p> <p><i>Faiz Ullah Muhammad Shahzad Ibrar ul Haq Faisal Sultan Abdul Wahab Ghaus Ur Rahman</i> <i>Journal of the Chemical Society of Pakistan</i>, Volume: 38 Issue: 5 Pages: 828-835 Impact Factor: 0.327 Quartile: 4 DOI: JCSPD</p>	2016
<p>A Note on the Existence Results for Stochastic Functional Differential Equations Driven by G-Brownian Motion</p> <p><i>Faiz Ullah Farkhanda Fawad Hussain</i> <i>Journal of Computational and Theoretical Nanoscience</i>, Vol. 13, Pages 1–5 Impact Factor: N/A DOI: 10.1166/jctn.2016.5965 1</p>	2016
<p>Existence Results and Moment Estimates for NSFDEs Driven by G-Brownian Motion</p> <p><i>Faiz Ullah</i> <i>Journal of Computational and Theoretical Nanoscience</i>, Vol. 13, Pages 1–8 Impact Factor: N/A Citations: 10 DOI: 10.1166/jctn.2016.5336</p>	2016
<p>Some Characterizations of Intra-regular Abel-Grassmann Groupoids</p> <p><i>Madad Khan Saima Anis Faiz Ullah</i> <i>Research Journal of Applied Sciences, Engineering and Technology</i>, Volume 7, Issue 9, Pages 1848-1855 Impact Factor: 0 DOI: 10.19026/rjaset.7.472</p>	2014
<p>Existence of Solutions for G-SFDES with Cauchy-Maruyama Approximation Scheme</p> <p><i>Faiz Ullah</i> <i>Abstract and Applied Analysis</i>, Article Number: 809431 Impact Factor: N/A Citations: 16 DOI: 10.1155/2014/809431</p>	2014
<p>Upper and Lower Solutions Method for G-BSDEs in the Reverse Order</p> <p><i>Faiz Ullah Shahzad Amin Sheikh Yasir Ali Rahmat Ullah</i></p>	2013

Impact Factor: N/A

DOI: 10.7537/marslsj100213.381

On the Existence of Solutions for Stochastic Differential Equations under G-Brownian Motion

2013

Faiz Ullah Waseem Asghar Khan Muhammad Arif Riaz Ahmad Khan

Life Science Journal, Vol. 10, No 5s, Pages 255-260

Impact Factor: N/A

DOI: <http://www.lifesciencesite.com/>

Existence of Solutions for Stochastic Differential Equations under G-Brownian Motion with Discontinuous Coefficients

2012

Faiz Ullah

Zeitschrift Fur Naturforschung Section A-A Journal of Physical Sciences, Volume: 67, Issue: 12, Pages: 692-698

Impact Factor: 1.363 | Quartile: 2 | Citations: 19

DOI: 10.5560/ZNA.2012-0092

A Note on the Carathéodory Approximation Scheme for Stochastic Differential Equations under G-Brownian Motion

2012

Faiz Ullah

Zeitschrift Fur Naturforschung Section A-A Journal of Physical Sciences, Vol 67a, Pages 699 – 70

Impact Factor: 1.363 | Quartile: 2 | Citations: 20

DOI: 10.5560/ZNA.2012-0079

A Note on the Existence of Solutions for Backward Stochastic Differential Equations under G-Brownian Motion

2012

Faiz Ullah Daxiong Piao

World Applied Sciences Journal, Volume 16, Issue 12

Impact Factor: 0

DOI: -

Backward stochastic differential equations under G-Brownian motion with discontinuous drift coefficients

2012

Faiz Ullah Rahman Ullah

International Journal of Current Research and Review, Volume 04, Issue 12, Pages 78-85

Impact Factor: 0

DOI: https://ijcrr.com/uploads/1752_pdf.pdf

Semiprime $(P, \Phi \Psi \chi)$ -fuzzy Quasi-ideals in Ordered Semigroups

2012

Asghar Khan Nor Haniza Sarmin Faiz Muhammad Khan Faiz Ullah

World Applied Sciences Journal, Volume 16, Issue 12

Impact Factor: 0

DOI: -

Trig based time domain constellation shaping technique for peak to average power ratio reduction in OFDM systems

2012

Faiz Ullah Hina Shabbir Shahzad Amin Sheikh

Life Science Journal, Volume 9, Issue No 4, Pages 4465-4471

Impact Factor: 0.165 | Quartile: 4

DOI: <http://www.lifesciencesite.com/>

Existence of solutions for G-SDEs with upper and lower solutions in the reverse order

2012

Faiz Ullah Daxiong Piao

International Journal of the Physical Sciences, Vol. 7 Issue no 3, Pages. 432 - 439

Impact Factor: 0 | Citations: 16

DOI: 10.1155/2014/809431

Some Sufficient Conditions for Spirallike Functions with Argument Properties

2012

Faiz Ullah Muhammad Arif Mohsan Raza Saeed Islam Javed Iqba

Life Science Journal, Vol. 9(4), Pages 3770-3773

Impact Factor: 0.165 | Quartile: 4

DOI: <http://www.lifesciencesite.com>. 559

On the Existence and Uniqueness of Solutions for Stochastic Differential Equations under G-Brownian Motion in a Generalized Space

2012

Faiz Ullah Rahmanullah Daxiong Piao Asghar Khan
World Applied Sciences Journal, Volume 19, Issue 12, Pages 1746-1751
Impact Factor: 0
DOI: 10.5829/idosi.wasj.2012.19.12.2731

Existence and Approximation of Solutions of Boundary Value Problems on Time Scales 2009
Rahmat Ali Khan Faiz Ullah Muhammad Rafique
Advances in Dynamical Systems and Applications, Volume 4, Number 2, Pages 197-209
Impact Factor: 0

Editorial Activities

Bulletin of the Malaysian Mathematical Sciences Society	2023
Reviewed Papers for Journals	
Impact Factor: 1.193	
Journal of Inequalities and Applications	2023
Reviewed Papers for Journals	
Impact Factor: 2.021	
	2020
Reviewed Papers for Journals	
Impact Factor: 2.421	
	2020
Reviewed Papers for Journals	
Impact Factor: 1.27	
	2020
Reviewed Papers for Journals	