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

Trajectory optimization and obstacle avoidance of autonomous robot using Robust and Efficient Rapidly Exploring Random Tree
<div align="right">2024</div>

Naeem Ul Islam Kaynat Gul Faiz Ullah Syed Sajid Ullah Ikram Syed

PloS One , Vol: 19(10), Article Number: e0311179, Pages: 24

The Convergence and Boundedness of Solutions to SFDEs with the G-Framework
<div align="right">2024</div>

Rahman Ullah Faiz Ullah Quanxin Zhu

Mathematics , 12(2), 279

A Theoretical Investigation of the SARS-CoV-2 Model via Fractional Order Epidemiological Model
<div align="right">2023</div>

Tahir Khan Rahman Ullah Thabet Abdeljawad Manar A. Alqudah Faiz Ullah

Computer Modelling in Engineering & Sciences, Volume 135(2), Pages 1295-1313

The Carathéodory approximation scheme for stochastic differential equations with G-Lévy process
<div align="right">2023</div>

Faiz Ullah Naeem Ul Islam Rahman Ullah

Mathematical Methods in the Applied Sciences, Pages 1-11

A Novel Row Index Mathematical Procedure for the Mitigation of PV Output Power Losses during Partial Shading Conditions
<div align="right">2023</div>

Muhammad Zeeshan Naeem Ul Islam Faiz Ullah Ihsan Ullah Khalil Jaebyung Park

Symmetry , Volume 15(3), Article Number 768

The dynamics of novel corona virus disease via stochastic epidemiological model with vaccination
<div align="right">2023</div>

Rahman Ullah Qasem Al Mdallal Tahir Khan Roman Ullah Basem Al Alwan Faiz Ullah Quanxin Zhu

Scientific Reports , Vol:13, Article number: 3805

A Mesh-Free Collocation Method Based on RBFs for the Numerical Solution of Hunter–Saxton and Gardner Equations
<div align="right">2022</div>

Rahman Ullah Ihteram Ali Sadaf Shaheen Tahir Khan Faiz Ullah Hamid Rahman

Mathematical Problems in Engineering , Volume 2022, Article ID 2152565, 11 pages

On the existence and mean square stability of neutral stochastic functional differential equations driven by G-Lévy process
<div align="right">2022</div>

Faiz Ullah Rahman Ullah Quanxin Zhu

Mathematical Methods in the Applied Sciences, Pages 1-12

The existence–uniqueness and exponential estimate of solutions for stochastic functional differential equations driven by G-Brownian motion
<div align="right">2020</div>

Faiz Ullah Quanxin Zhu Rahman Ullah Quanxin Zhu Rahman Ullah

Mathematical Methods in the Applied Sciences, Pages 1-12

A Note on the Approximate Solutions for Stochastic Differential Equations Driven by G-Brownian Motion
<div align="right">2020</div>

R. Ullah Faiz Ullah Jihen Majdoubi I. Tlili I. Khan Ghaus ur Rahman

Journal of Computational Analysis and Applications, Volume 28(5), Pages 798-807

On boundedness and convergence of solutions for neutral stochastic functional differential equations driven by G-Brownian motion

Faiz Ullah

Advances in Difference Equations, Article number: 289, Page 1-16

2019

On stochastic pantograph differential equations in the G-framework

Faiz Ullah

Journal of Computational Analysis and Applications, Volume 26, Issue 5, Pages 819-831

2019

Estimates for the difference between approximate and exact solutions to stochastic differential equations in the G-framework

Faiz Ullah Ilyas Khan Mukhtar M. Salah Ziyad Ali Alhussain

Journal of Taibah University for Science, Volume: 13 Issue: 1 Pages: 20-26

2019

The p-moment exponential estimates for neutral stochastic functional differential equations in the G-framework

Faiz Ullah A.A. Memom M.A. Rana Muhammad Hanif

Journal of Computational Analysis and Applications, Volume 26, Issue 1, Pages 81-90

2019

Qualitative behavior of a second-order fuzzy difference equation

Ghaus ur Rahman Qamar Din Faiz Ullah Faiz Muhammad Khan

Journal of Intelligent & Fuzzy Systems, Volume: 34 Issue: 1 Pages: 745-753

2018

Existence and stability of solutions to non-linear neutral stochastic functional differential equations in the framework of G-Brownian motion

Faiz Ullah M Bux MA Rana Ghaus ur Rahman

Advances in Difference Equations, Volume 2017, Article Number: 350

2017

On existence and approximate solutions for stochastic differential equations in the framework of G-Brownian motion

Faiz Ullah Rahman Ullah

European Physical Journal Plus, Volume: 132 Issue: 10 Article Number: 435

2017

On Existence and Comparison Results for Solutions to Stochastic Functional Differential Equations in the G-Framework

Faiz Ullah Matloob-Ur-Rehman Muhammad Shahzad M. Ikhlaq Chohan

Journal of Computational Analysis & Applications, Volume: 23 Issue: 4 Pages: 693-702

2017

On the Uniqueness Results and Value Distribution of Meromorphic Mappings

Faiz Ullah Xiao-Min Li Rahman Ullah Hong-Xun Yi Riaz Ahmad Khan

Mathematics, Volume: 5, Issue: 3, Article Number: 42

2017

A Note on pth Moment Estimates for Stochastic Functional Differential Equations in the Framework of G-Brownian Motion

2017

Faiz Ullah

Iranian Journal of Science and Technology, Transactions A: Science, Volume 41, Issue 4, Pages 1131–1138

Impact Factor: 0.757 | **Quartile:** 3 | **Citations:** 16
DOI: 10.1007/s40995-016-0067-y

Existence and uniqueness of solutions to SFDEs driven by G-Brownian motion with non-Lipschitz conditions

2017

Faiz Ullah

Computational analysis and applications, Volume 23, Issue 2, Pages 344-354

Impact Factor: N/A
DOI: http://www.eudoxuspress.com/images/JOCAAA-VOL-23-2017-ISSUE-II.pdf

On Periodicity and Uniqueness of Meromorphic Functions

2017

Rahman Ullah Xiao-Min Li Faiz Ullah Rahman Ullah Xiao-Min Li

Journal of Computational and Theoretical Nanoscience, Volume 14, Number 2, Pages 910-917

Impact Factor: 0 | **Citations:** 1
DOI: https://doi.org/10.1166/jctn.2017.6378

A Note on Stochastic Functional Differential Equations Driven by G-Brownian Motion with Discontinuous Drift Coefficients

2016

Faiz Ullah Aamir Mukhtar M. A. Rana

Journal of Computational Analysis & Applications, Volume: 21 Issue: 5 Pages: 910-919

Impact Factor: 0.609 | **Quartile:** 4
DOI: 27750

On the pth moment estimates of solutions to stochastic functional differential equations in the G-framework

2016

Faiz Ullah

SpringerPlus, Volume: 5, Article Number: 872

Impact Factor: 1.130 | **Quartile:** 2 | **Citations:** 14
DOI: 10.1186/s40064-016-2388-x

Slow manifolds in chemical kinetics

2016

Faiz Ullah Muhammad Shahzad Ibrar ul Haq Faisal Sultan Abdul Wahab Ghaus Ur Rahman

Journal of the Chemical Society of Pakistan, Volume: 38 Issue: 5 Pages: 828-835

Impact Factor: 0.327 | **Quartile:** 4
DOI: JCSPD

A Note on the Existence Results for Stochastic Functional Differential Equations Driven by G-Brownian Motion

2016

Faiz Ullah Farkhanda Fawad Hussain

Journal of Computational and Theoretical Nanoscience, Vol. 13, Pages 1–5

Impact Factor: N/A
DOI: 10.1166/jctn.2016.5965 1

Existence Results and Moment Estimates for NSFDEs Driven by G-Brownian Motion

2016

Faiz Ullah

Journal of Computational and Theoretical Nanoscience, Vol. 13, Pages 1–8

Impact Factor: N/A | **Citations:** 10
DOI: 10.1166/jctn.2016.5336

Some Characterizations of Intra-regular Abel-Grassmann Groupoids

2014

Madad Khan Saima Anis Faiz Ullah

Research Journal of Applied Sciences, Engineering and Technology, Volume 7, Issue 9, Pages 1848-1855

Impact Factor: 0
DOI: 10.19026/rjaset.7.472

Existence of Solutions for G-SFDES with Cauchy-Maruyama Approximation Scheme

2014

Faiz Ullah

Abstract and Applied Analysis, Article Number: 809431

Impact Factor: N/A | **Citations:** 16
DOI: 10.1155/2014/809431

Upper and Lower Solutions Method for G-BSDEs in the Reverse Order

2013

Faiz Ullah Shahzad Amin Sheikh Yasir Ali Rahmat Ullah

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

2013

Faiz Ullah Waseem Asghar Khan Muhammad Arif Riaz Ahmad Khan

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

2012

Faiz Ullah

A Note on the Carath´eodory Approximation Scheme for Stochastic Differential Equations under G-Brownian Motion

2012

Faiz Ullah

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

2012

Faiz Ullah Daxiong Piao

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

2012

Faiz Ullah Rahman Ullah

Semiprime (P,PΦqk)-fuzzy Quasi-ideals in Ordered Semigroups

2012

Asghar Khan Nor Haniza Sarmin Faiz Muhammad Khan Faiz Ullah

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

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

2012

Faiz Ullah Daxiong Piao

Some Sufficient Conditions for Spirallike Functions with Argument Properties

2012

Faiz Ullah Muhammad Arif Mohsan Raza Saeed Islam Javed Iqba

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

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