Faisal Yousafzai

Associate Professor

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About

Dr. Faisal Yousafzai is working as Associate Professor in the Military College of Engineering. Dr. Faisal Yousafzai has a PhD in Mathematics (Algebra). Dr. Faisal Yousafzai has published 31 research articles & conference papers having a citation count of 156, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics (Algebra)   2013 - 2016
University of Science and Technology of China , China

MS in Mathematics (Fuzzy Algebra)   2009 - 2011
COMSATS, Abbottabad , Pakistan

MSc in Mathematics   2005 - 2007
University of Peshawar , Pakistan

BSc in Math & Physics   2003 - 2005
Hazara University , Pakistan

Experience

Associate Professor   2022- Present
Military College of Engineering

Assistant Professor   2019 - 2022
Military College of Engineering

Assistant Professor   2016 - 2019
Military College of Engineering

Assistant Professor   2016 - 2016
Military College of Engineering

Lecturer   2012 - 2013
COMSATS Institute of Information and Technology , Attock, Pakistan

Awards

CAS-TWAS   2013
CAS-TWAS President's Fellow

Research Articles

Complex linear Diophantine fuzzy sets and their applications in multi-attribute decision making   2024
Muhammad Danish Zia Faisal Yousafzai Saleem Abdullah Kostaq Hila

Engineering Applications of Artificial Intelligence , Volume 132, Article Number 107953

Impact Factor: 8.00 | **Quartile:** 1 | **Citations:** 14
DOI: https://doi.org/10.1016/j.engappai.2024.107953

Complex fuzzy intelligent decision modeling for optimizing economic sustainability in transportation sector   2024

Xiaoying Wang Muhammad Danish Zia Faisal Yousafzai Sarfraz Ahmed Muwen Wang

Complex & Intelligent Systems, Pages 1-19

Impact Factor: 5.800 | **Quartile:** 2 | **Citations:** 2
DOI: https://doi.org/10.1007/s40747-024-01372-9

Linear Diophantine fuzzy sets over complex fuzzy information with applications in information theory☆   2024

Faisal Yousafzai Muhammad Danish Zia Murad-ul-Islam Khan Mohammed. M. Khalaf Rashad Ismail

Ain Shams Engineering Journal, Volume 15, Issue 1, Article Number: 102327

Impact Factor: 6.0 | **Quartile:** 1 | **Citations:** 11
DOI: 10.1016/j.asej.2023.102327

A study of quadratic Diophantine fuzzy sets with structural properties and their application in face mask detection during COVID-19   2023

Muhammad Danish Zia Esmail Hassan Abdullatif Al-Sabri Faisal Yousafzai Murad-ul-Islam Khan Rashad Ismail Mohammed M. Khalaf

AIMS Mathematics , Volume 8, Issue 6, Pages 14449-14474

Impact Factor: 2.739 | **Quartile:** 1 | **Citations:** 4
DOI: 10.3934/math.2023738

Applications of AG-Groupoids in Decision-Making via Linear Diophantine Fuzzy Sets   2023

Faisal Yousafzai Muhammad Danish Zia Mohammed M. Khalaf Esmail Hassan Abdullatif Al-Sabri Rashad Ismail

Discrete Dynamics in Nature and Society, Volume 2023, Article ID 3411475

Impact Factor: 1.457 | **Quartile:** 3 | **Citations:** 6
DOI: https://doi.org/10.1155/2023/3411475

Constant Time Calculation of the Metric Dimension of the Join of Path Graphs   2023

Zhang Chuanjun Ghulam Haidar Murad Ul Islam Khan Faisal Yousafzai Kostaq Hila Asad Ul Islam Khan

Symmetry , Volume 15, Issue 3, Article Number 708

Impact Factor: 2.940 | **Quartile:** 2 | **Citations:** 5
DOI: https://doi.org/10.3390/ sym15030708

A new look of interval-valued intuitionistic fuzzy sets in ordered AG-groupoids with applications   2022

Faisal Yousafzai Muhammad Danish Zia Mohammed M. Khalaf Rashad Ismail

AIMS Mathematics , Volume 8, Issue 3, Pages 6095-6118

Impact Factor: 2.739 | **Quartile:** 1 | **Citations:** 8
DOI: 10.3934/math.2023308

Complex Linear Diophantine Fuzzy Sets over AG-Groupoids with Applications in Civil Engineering   2022

Hao Guan Faisal Yousafzai Muhammad Danish Zia Murad-ul-Islam Khan Muhammad Irfan Kostaq Hila

Symmetry , Volume 15(1), Article Number 74

Impact Factor: 2.7 | **Quartile:** 2 | **Citations:** 9
DOI: 10.3390/sym15010074

On Smallest (generalized) Ideals and Semilattices of (2,2)-regular Non-associative Ordered Semigroups   2022

Faisal Yousafzai Mohammed M. Khalaf Muhammad Danish Zia

Boletim da Sociedade Paranaense de Matematica, Volume 40, Pages 1-13

Impact Factor: N/A | **Citations:** 1
DOI: https://doi.org/10.5269/bspm.42419

Congruences Induced By Certain Relations on Ag**-Groupoids   2020

Faisal Yousafzai Murad-ul-Islam Khan Kar Ping Shum Kostaq Hila

UPB Scientific Bulletin, Series A: Applied Mathematics and Physics, Volume 82, Issue 2, Pages 83-100

Impact Factor: 0.903 | **Quartile:** 4
DOI: NA

On (2; 2)-regular Non-associative Ordered Semigroups via Its Semilattices and Generated (Generalized Fuzzy) Ideals   2020

Yousef Al-Qudah Mohammed M. Khalaf Mohammad Almousa Faisal Yousafzai

Mathematics and Statistics , Volume 8(3), Pages 353-362

Impact Factor: 0 | **Citations:** 4
DOI: DOI:10.13189/ms.2020.080315

A soft set theoretic approach to an AG-groupoid via ideal theory with applications   2019

Faisal Yousafzai Mohammed M. Khalaf

Journal of the Egyptian Mathematical Society, Volume 27, Article Number: 58

Impact Factor: 0
DOI: https://doi.org/10.1186/s42787-019-0060-7

Photographic painting style transfer using convolutional neural network   2019

Asad Khan Muhammad Ahmad Nuzhat Naqvi Faisal Yousafzai Jing Xiao

Multimedia Tools and Applications , Volume 78, Issue 14, pp 19565–19586

Non-associative ordered semigroups based on soft sets

Faisal Yousafzai Mohammed M. Khalaf Arshad Ali Arsham B. Saeid

2019

Ideal Theory in Ordered AG-groupoids Based on Double Framed Soft Sets

Tauseef Asif Faisal Yousafzai Asghar Khan Kostaq Hila

2019

Non-associative semigroups in terms of semilattices via soft ideals

Faisal Yousafzai Arshad Ali Shamsul Haq Kostaq Hila

2018

A Study of Ordered Ag-Groupoids in terms of Semilattices via Smallest (Fuzzy) Ideals

Venus Amjid Faisal Yousafzai Kostaq Hila

2018

A Study of Non-Associative Ordered Semigroups in Terms of Semilattices Via Smallest (Double-Framed Soft) Ideals

Faisal Yousufzai Tauseef Asif Asghar Khan Bijan Davvaz

2018

Congruences and Decompositions of AG**-groupoids

Waqar Khan Faisal Yousafzai Kostaq Hila

2018

Generalized ideals in ordered left almost semigroups

Venus Amjid Faisal Yousafzai Quaid Iqbal

2017

Some studies in fuzzy non-associative semigroups

Faisal Yousafzai Mohammed M. Khalaf Murad-ul-Islam Khan A. Borumand Saeid Quaid Iqbal

2017

On generalized fuzzy ideals of ordered AG-groupoids

Faisal Yousafzai Naveed Yaqoob Anwar Zeb Naveed Yaqoob Anwar Zeb

2016

Approximating a giving up smoking dynamic on adolescent nicotine dependence in fractional order

Anwar Zeb Gul Zaman Vedat Suat ERTURK Baha Alzalg Faisal Yousafzai Madad Khan

2016

On spectrum related topological descriptors of carbon nanocones

Sakander Hayat asad KHAN Faisal Yousafzai M. IMRAN Mujeeb Ur Rahman

2015

Optoelectronics and Advanced Materials-Rapid Communications, Volume: 9 Issue: 5-6 Pages: 798-802

Impact Factor: 0.412 | **Quartile:** 4

DOI: https://oam-rc.inoe.ro/articles/on-spectrum-related-topological-descriptors-of-carbon-nanocones/

Bipartite edge frustration of cactus chains 2015

Sakandar HAYAT asad KHAN Faisal Yousafzai Muhammad Imran

Optoelectronics and Advanced Materials-Rapid Communications, Volume: 9 Issue: 5-6 Pages: 869-872

Impact Factor: 0.412 | **Quartile:** 4

DOI: https://oam-rc.inoe.ro/articles/bipartite-edge-frustration-of-cactus-chains/

Fuzzy ideals in right regular LA-semigroups 2015

Madad Khan Young Bae Jun Faisal Yousafzai

Hacettepe Journal of Mathematics and Statistics, Volume 44, Issue 3, Pages 569-586

Impact Factor: 0.277 | **Quartile:** 4 | **Citations:** 17

DOI: 10.15672/HJMS.2015449419

Computational results on inertia indices, signature and nullity of ( ) C4C8 R nanotube 2015

Sakander Hayat ASAD KHAN FAISAL YOUSAFZAI MUHAMMAD IMRAN

Optoelectronics and Advanced Materials-Rapid Communications, Volume: 9 Issue: 3-4 Pages: 478-481

Impact Factor: 0.412 | **Quartile:** 4

DOI: https://oam-rc.inoe.ro/articles/computational-results-on-inertia-indices-signature-and-nullity-of-c4c8-r-nanotube/

A note on fuzzy ordered AG-groupoids 2014

Madad Khan Shamsul Haq fasial yousafzai Bijan Davvaz

Journal of Intelligent & Fuzzy Systems, Volume 26, Issue 5 ,Pages 2251-2261

Impact Factor: 1.812 | **Quartile:** 2 | **Citations:** 8
DOI: 10.3233/IFS-130898

Generalized hyperideals in locally associative left almost semihypergroups 2014

Venus Amjad Kostaq Hila Faisal Yousafzai

New York Journal of Mathematics, Volume 20, Pages 1063-1076

Impact Factor: 0.330 | **Quartile:** 4

On fuzzy fully regular ordered AG-groupoids 2014

Faisal Yousafzai Venus Amjad Anwar Zeb Asghar Khan

Journal of Intelligent & Fuzzy Systems, Volume 26, Issue 6 ,Pages 2973-2982

Impact Factor: 1.812 | **Quartile:** 2 | **Citations:** 19
DOI: 10.3233/IFS-130963

On fuzzy (2,2)-regular ordered Gamma-AG**-groupoids 2012

Faisal Naveed Yaqoob Kostaq Hila

University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, Volume 74, Issue 2, Pages 87-104

Impact Factor: 0.300 | **Quartile:** 4

DOI: -