Farkhanda Afzal

Associate Professor

Military College of Signals

Email: farkhanda@mcs.edu.pk

Contact:

LinkedIn: https://www.linkedin.com/in/dr-farkhanda-afzal-34860022/



2016

2015

2014

About

Dr. Farkhanda Afzal is working as Associate Professor in the Military College of Signals. Dr. Farkhanda Afzal has a PhD in Applied Mathematics. Dr. Farkhanda Afzal has published 109 research articles & conference papers having a citation count of 768, carried out 3 projects and filed 0 intellectual property.

Qualifications

Invited Speaker

Invited Speaker

Essay Writing

PhD in Applied Mathematics Beihang university, China	2012 - 2016
MS in Mathematics University of the Punjab , Pakistan	2006 - 2008
BS in Mathematics University of the Punjab , Pakistan	2002 - 2006
F.Sc in Pre Medical BSE, Karachi , pakistan (Duplicate)	2001 - 2001
Experience	
Associate Professor Military College of Signals	2023- Present
Assistant Professor Military College of Signals	2018 - 2023
Lecturer Mathematics KRL model college for girls Kahuta , Khan research laboratories, KRL, Kahuta	2018 - 2018
Visiting Lecturer Beihang University Beijing China , 36 Xueyuan Lu, 100096 Beijing	2013 - 2015
Lecturer Punjab Public Service Commission , Govt Degree College Pindighep District Attock	2009 - 2011
Lecturer University of Education , Bank road campus, Lahore	2008 - 2009
Awards	
Young Researcher Selected as top 200 Young researcher from world by Heidelberg Laureate Forum, Germany.	2018
Best Presentation Best Oral Presentation award at ICMAE 2016, London, United Kingdom	2016

Invited Speaker at London Mathematical Society's Women in Mathematics day held on 15 April 2016 at Microsoft Research, Cambridge, United Kingdom

Got second position in Englisg Essay Writing competition 2014 by International School Beihang University, Beijing, China

Invited Speaker at Guangxi University for Nationalities, Nanning, China, May 2015

Research Projects

Muhammad Nasir Shamoona Jabeen Farkhanda Afzal

National Projects	
PIE (Partnership in Equality) for UK-Pakistan Women in Robotics & Al Funding Agency: British Council Amount: PKR 1,056,208,566.00	2023
Status: Approved_inprocess	000
CubeSat mission for glacier monitoring and disaster prediction Funding Agency: APSCO	2024
Amount: PKR 27,815,300.00	
Status: Approved_inprocess	
Bridging Gender Gap in STEM Pakistan: Workshop on Female Role Model Outreach Funding Agency: AlumNode Funding 2021. UK Amount: PKR 876,945.00 Status: Completed	2021
International Projects	
Research Articles	
Advances in bioconvection of Casson nanofluids over a stretching sheet: Influence of thermal	2025
radiation and activation energy	
Farkhanda Afzal Tahir Kamran Muhammad Bilal Riaz	
Journal of Radiation Research and Applied Sciences, Volume 18, Issue 3, Article Number 101598 Impact Factor: 2.500 Quartile: 2	
DOI: 10.1016/j.jrras.2025.101598	
Numerical simulation of graphene Maxwell nanofluid flow with thermal radiation and slips conditions along a linearly stretched sheet	2025
Tahir Kamran Farkhanda Afzal Muhammad Bilal Riaz	
Results in Engineering, Volume: 25, Article Number: 104487, Pages:09	
Impact Factor: 6.000 Quartile: 1 DOI: https://doi.org/10.1016/j.rineng.2025.104487	
Advanced heat transfer analysis of 3D magnetohydrodynamic nanofluid flow over an extending sheet with thermal radiation and internal heat generation/absorption	2024
Farkhanda Afzal Tahir Kamran	
Multiscale and Multidisciplinary Modeling, Experiments and Design, Volume 8, Article Number 113	
Impact Factor: 1.900 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1007/s41939-024-00693-z	
	0004
C2B: A Semantic Source Code Retrieval Model using CodeT5 and Bi-LSTM Nazia Bibi Ayesha Maqbool Tauseef Ahmad Rana Farkhanda Afzal Adnan Ahmed Khan	2024
Applied Sciences, Volume 14(13), Article Number 5795	
Impact Factor: 2.500 Quartile: 1 Citations: 2	
DOI: https://doi.org/10.3390/app14135795	
Multiple attribute group decision making approach for selection of robot under induced bipolar	2024
neutrosophic aggregation operators	
Farkhanda Afzal Ayesha Maqbool Saleem Abdullah Ali Akgül Abdul Bariq Muhammad Jamil	
Complex & Intelligent Systems, Pages: 18 Impact Factor: 5.8 Quartile: 2 Citations: 8	
DOI: 10.1007/s40747-023-01264-4	
The connectivity indices concept of neutrosophic graph and their application of computer network,	2024
highway system and transport network flow	
M. Kaviyarasu Muhammad Aslam Farkhanda Afzal Maha Mohammed Saeed Arif Mehmood Saeed Gul Scientific Reports , Volume 14, Article Number: 4891	
Impact Factor: 3.800 Quartile: 1 Citations: 3	
DOI: https://doi.org/10.1038/s41598-024-54104-x	
Solving the generalized equal width wave equation via sextic B-spline collocation technique	2023

International Journal of Mathematics and Computer in Engineering, Volume 1, Issue 2, Pages 229-242 Impact Factor: N/A Citations: 21 DOI: https://sciendo.com/article/10.2478/ijmce-2023-0019	
New FxLMAT based Algorithms for Active Control of Impulsive Noise Alina Mirza Farkhanda Afzal Ayesha Zeb Abdul Wakeel Waqar Shahid Qureshi Ali Akgul IEEE Access, Volume 11, Pages 81279-81288 Impact Factor: 3.9 Quartile: 2 Citations: 8	2023
DOI: 10.1109/ACCESS.2023.3293647	
Construction of nonlinear component of block cipher using coset graph Adil Waheed Fazli Subhan Mazlihan Mohd Soud Muhammad Yasir Hayat Malik Alina Mirza Farkhanda Afzal AIMS Mathematics, Volume 8(9), Pages 21644-21667 Impact Factor: 2.2 Quartile: 1 Citations: 9	2023
DOI: 10.3934/math.20231104	
Power quality improvement of a distribution system integrating a large scale solar farm using hybrid modular multilevel converter with ZSV control Hira Razik Munira Batool Saleem Riaz Farkhanda Afzal Ali Akgul Muhammad Bilal Riaz Ain Shams Engineering Journal, Volume 14, Issue 7, Article Number 102218 Impact Factor: 4.790 Quartile: 1 Citations: 13 DOI: https://doi.org/10.1016/j.asej.2023.102218	2023
Enhancing Semantic Code Search with Deep Graph Matching Nazia Bibi Ayesha Maqbool Tauseef Rana Farkhanda Afzal Ali Akgul Sayed M. El Din IEEE Access, Volume 11, Pages 52392-52411 Impact Factor: 3.476 Quartile: 2 Citations: 4 DOI: 10.1109/ACCESS.2023.3263878	2023
Volume of Fluid Simulations of Heat Transfer in Liquid-Liquid Segmented Flows in Microfluidic channel Shazia Bashir Saad Shaukat Mustafa Inc Muhammad Bashir Ayesha Maqbool Muhammad Sajid Iqbal Farkhanda Afzal Microgravity Science and Technology, Volume 35, Article Number: 16 Impact Factor: 1.642 Quartile: 3 DOI: doi.org/10.1007/s12217-023-10041-4	2023
Entropic analysis of cilia-modulated slip flow of trimetallic nanofluid through electroosmotic corrugated pump in the presence of inclined magnetic field Sufian Munawar Najma Saleem Farkhanda Afzal Arif Mehmood Malik Khurram Shahzad Awan Poom Kumam Scientific Reports, Volume 13, Issue 1, Article Number 3685 Impact Factor: 4.996 Quartile: 2 Citations: 10 DOI: 10.1038/s41598-023-30979-0	2023
Numerical investigation of treated brain glioma model using a two-stage successive over-relaxation method Abida Hussain Mohana Sundaram Muthuvalu Ibrahima Faye Mudassar Zafar Mustafa Inc Farkhanda Afzal Muhammad Sajid Iqbal Computers in Biology and Medicine, Volume 153, Article Number 106429 Impact Factor: 6.698 Quartile: 1 Citations: 6 DOI: 10.1016/j.compbiomed.2022.106429	2023
Existence theories and exact solutions of nonlinear PDEs dominated by singularities and time noise Muhammad Ozair Ahmad Rishi Naeem Muhammad Akhtar Tarar Muhammad Sajid Iqbal Mustafa Inc Farkhanda Afzal Nonlinear Analysis: Modelling and Control, Vol 28, No 2, Pages:194-208 Impact Factor: 2.217 Quartile: 1 Citations: 3 DOI: doi.org/10.15388/namc.2023.28.30563	2023
An Intelligent Platform for Software Component Mining and Retrieval Nazia Bibi Tauseef Rana Ayesha Maqbool Farkhanda Afzal Ali Akgul Manuel De la Sen Sensors, Volume 23, Issue 1, Article Number 525 Impact Factor: 3.847 Quartile: 2 Citations: 2 DOI: https://doi.org/10.3390/s23010525	2023
Parallelization of lattice boltzmann method for CFD using message passing interface Shazia Bashir Anila Usman Yasir Usman Khalel H. Mehmoud Abdullah S. A. Alsubail Farkhanda Afzal Mustafa Inc Muhammad Bashir	2022

Thermal Science, Volume 26, Issue Spec. issue 1, Pages 211-218

Impact Factor: 1.7 | Quartile: 4

Simulations of convective heat transfer in rectangular microchannel using thermal lattice Boltzmann method Shazia Bashir Muhammad Bashir Khalel H. Mehmoud Abdullah S. A. Alsubail Farkhanda Afzal Mehboob Alam Mustafa Inc	2022
Thermal Science, Volume 26, Issue Spec. issue 1, Pages 219-228 Impact Factor: 1.7 Quartile: 4 Citations: 1	
DOI: https://doi.org/10.2298/TSCI22S1219B	
Federated learning based nonlinear two-stage framework for full-reference image quality assessment: An application for biometric	2022
LanTianyi Saleem Riaz Zhang Xuande Alina Mirza Farkhanda Afzal Zeshan Iqbal Muhammad Attique Khan Majed Alhaisoni Abdullah Alqahtani Image and Vision Computing, Volume 128, Article Number 104588	
Impact Factor: 3.860 Quartile: 1 Citations: 5	
DOI: https://doi.org/10.1016/j.imavis.2022.104588	2022
ABC Fractional Derivative for Varicella-Zoster Virus Using Two-Scale Fractal Dimension Approach with Vaccination	2022
Jirong Yang Farkhanda Afzal Perpetual Appiah Advances in Mathematical Physics, Volume 2022, Article ID 1725110, 10 pages	
Impact Factor: 1.364 Quartile: 3 Citations: 7 DOI: https://doi.org/10.1155/2022/1725110	
Einstein Aggregation Operators under Bipolar Neutrosophic Environment with Applications in Multi-	2022
Criteria Decision-Making Muhammad Jamil Farkhanda Afzal Ali Akgul Saleem Abdullah Ayesha Maqbool Abdul Razzaque Muhammad Bilal Riaz Jan Awrejcewicz Applied Sciences, Volume 12(19), Article Number 10045	
Impact Factor: 2.9 Quartile: 2 Citations: 12 DOI: https://doi.org/10.3390/app121910045	
Effect of Heat Treatment on Microstructure and Mechanical Properties of Ti6Al4V Alloy Fabricated by Selective Laser Melting	2022
Muhammad Waqas Dingyong He Yude Liu Saleem Riaz Farkhanda Afzal Journal of Materials Engineering and Performance, Pages 1-15	
Impact Factor: 2.036 Quartile: 4 Citations: 28 DOI: https://doi.org/10.1007/s11665-022-07106-7	
Experimental and Numerical Research of Paved Microcrack Using Histogram Equalization for Detection and Segmentation	2022
Asad Ullah Zhaoyun Sun Hassan Elahi Farkhanda Afzal Amna Khatoon Nasir Sayed Ishfaq Ahmad Mathematical Problems in Engineering, Volume 2022, Article ID 2684983, 13 pages	
Impact Factor: 0 Citations: 5 DOI: https://doi.org/10.1155/2022/2684983	
Robust and Least Complex Online Secondary Path Estimation in Broadband Feed-Forward Active	2022
Control of Impulsive Noise using FxLMAT Family HAHSIR ALI KHAN Alina Mirza Abdul Wakeel MIR YASIR UMAIR Fareeha Jabeen Farkhanda Afzal	
IEEE Access, Volume 10, Pages 58667-58676 Impact Factor: 3.367 Quartile: 2 Citations: 1	
DOI: 10.1109/ACCESS.2022.3178598	
Comprehensive note on characterization of neutrosophic soft P-open sets in neutrosophic soft quad- topological space	2022
Arif Mehmood Samer Al Ghour Farkhanda Afzal Nordo Giorgio Najma Saleem Journal of Intelligent and Fuzzy Systems, Volume 43, Issue 1, Pages 1519-1540	
Impact Factor: 2.0 Quartile: 4 Citations: 3 DOI: DOI:10.3233/JIFS-212547	
Thermal Case Study of Cilia Actuated Transport of Radiated Blood-Based Ternary Nanofluid under the Action of Tilted Magnetic Field	2022
Najma Saleem Tahreem Ashraf Ibtisam Daqqa Sufian Munawar Nazeeran Idrees Farkhanda Afzal Deeba Afzal Coatings , Volume 12, Issue 6, Article Number 873	
Impact Factor: 3.236 Quartile: 2 Citations: 23 DOI: https:// doi.org/10.3390/ coatings12060873	

Analysis and Power Quality Improvement in Hybrid Distributed Generation System with Utilization of Unified Power Quality Conditioner	2022
Noor Zainab Munira Batool Saleem Riaz Farkhanda Afzal Sufian Munawar Ibtisam Daqqa Najma Saleem Computer Modelling in Engineering & Sciences, Pages 1-33	
Impact Factor: 2.027 Quartile: 2 Citations: 15 DOI: DOI: 10.32604/cmes.2022.021676	
System-Level Performance Analysis of Cooperative Multiple Unmanned Aerial Vehicles for Wildfire Surveillance Using Agent-Based Modeling	2022
Ayesha Maqbool Alina Mirza Farkhanda Afzal Tajamul shah Wazir Zada Khan Yousaf Bin Zikria Sung Won Kim Sustainability , Volume 14(10), Article Number 5927	
Impact Factor: 3.251 Quartile: 2 Citations: 5 DOI: https://doi.org/10.3390/su14105927	
New Degree-Based Topological Indices of Toroidal Polyhex Graph by Means of M-Polynomial Farkhanda Afzal Mohammad Zeeshan Deeba Afzal Sufian Munawar Dhan Kumari Thapa Alina Mirza Journal of Mathematics, Volume 2022, Article ID 1228203, 5 pages Impact Factor: 0.971 Quartile: 2	2022
DOI: https://doi.org/10.1155/2022/1228203	
Topological Properties of Degree-Based Invariants via M-Polynomial Approach Samirah Alsulami Sabir Hussain Farkhanda Afzal Mohammad Reza Farahani Deeba Afzal Journal of Mathematics, Volume 2022, Article ID 7120094, 8 pages	2022
Impact Factor: 0.971 Quartile: 2 Citations: 4 DOI: https://doi.org/10.1155/2022/7120094	
DepTSol: An Improved Deep-Learning- and Time-of-Flight- Based Real-Time Social Distance Monitoring Approach under Various Low-Light Conditions Adina Rahim Ayesha Maqbool Alina Mirza Farkhanda Afzal Ikram Asghar Floatronica 11(2) 458	2022
Electronics , 11(3), 458 Impact Factor: 2.397 Quartile: 3 Citations: 7 DOI: 10.3390/electronics11030458	
Neutrosophic soft bi-topological structures concerning some special neutrosophic soft open sets Arif Mehmood Samer Al Ghour M Imran Khan Farkhanda Afzal Muhammad Ishfaq Humaira Qureshi Journal of Intelligent and Fuzzy Systems, Volume:43, Issue:1, Page:125-142 Impact Factor: 2.0 Quartile: 4 DOI: 10.3233/JIFS-211492	2022
Investigation on Boron Alpha Nanotube by Studying Their M-Polynomial and Topological Indices	2022
Deeba Afzal Farkhanda Afzal Sabir Hussain Faryal Chaudhry Dhana Kumari Thappa Journal of Mathematics, Volume 2022, Article ID 6136168, 7 pages	
Impact Factor: 0.971 Quartile: 2 Citations: 6 DOI: 10.1155/2022/6136168	
The Study about Relationship of Direct Form of Topological Indices via M-Polynomial and Computational Analysis of Dexamethasone Sabir Hussain Farkhanda Afzal Deeba Afzal Dhana Kumari Thappa	2022
Journal of Chemistry, Volume 2022, Article ID 4912143, 10 pages Impact Factor: 2.506 Quartile: 3 Citations: 2 DOI: https://doi.org/10.1155/2022/4912143	
Neutrosophic Soft Quad Structures Concerning Neutrosophic Soft Points	2022
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Mathematical Problem in Engineering, Volume 2022, Article ID 8483632, 12 pages	
Impact Factor: 1.305 Quartile: 3 Citations: 6 DOI: https://doi.org/10.1155/2022/8483632	
Characterization of Bipolar Vague Soft S -Open Sets	2022
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Impact Factor: 1.281 Quartile: 2 Citations: 6 DOI: https://doi.org/10.1155/2022/5964872	

An Absolutely New Attempt to Vague Soft Bitopological Spaces Basis at Newly Defined Operations regarding Vague Soft Points	2021
Farkhanda afzal Muhammad Imran Khan Saeed Gul Arif Mehmood Saleem Abdullah Mathematical Problems in Engineering, Volume 2021, Article ID 4408754, 11 pages	
Impact Factor: 1.430 Quartile: 3 Citations: 5 DOI: 10.1155/2021/4408754	
An Accelerated Error Convergence Design Criterion and Implementation of Lebesgue-p Norm ILC Control Topology for Linear Position Control Systems	2021
Saleem Riaz Hui Lin Muhammad Waqas Farkhanda afzal Kai Wang Nasir Saeed Mathematical Problems in Engineering, Volume 2021, Article ID 5975158, 12 pages Impact Factor: 1.430 Quartile: 3 Citations: 11	
DOI: https://doi.org/10.1155/2021/5975158	
A comparative analysis of consensus protocols for dealing power theft issue in Pakistan. Ayesha Maqbool Sumaera Sattar Amna Naheed Sana Khalid Tauseef Ahmad Rana Farkhanda Afzal Murat Cacan Journal of Information and Optimization Sciences, Volume 42(7), Pages 1523-1540 Impact Factor: N/A DOI: 10.1080/02522667.2021.1934100	2021
Topological analysis of zigzag-edge coronoid graph by using M-polynomial Muhammad Ehsan Sumera Sattar Faryal Chaudhry Farkhanda Afzal Muhammad Raza Farhani Murat Cancan Eurasian Chemical Communications, Volume 3, Issue 9, Pages 590-597 Impact Factor: - Citations: 4	2021
DOI: 10.22034/ECC.2021.293152.1193	
Calculating the topological indices of Starphene graph via M-polynomial approach Faryal Chaudhry Sumera Sattar Muhammad Ehsan Farkhanda Afzal Muhammad Raza Farhani Murat Cancan Eurasian Chemical Communications, Volume 3, Pages 656-664 Impact Factor: -	2021
DOI: 10.22034/ECC.2021.293170.1194	
FxRLS Algorithms Based Active Control of Impulsive Noise with Online Secondary Path Modeling Fareeha Jabeen Alina Mirza Ayesha Zeb Muhammad Imran Farkhanda Afzal Ayesha Maqbool IEEE Access, Volume 9, Pages 117471-117485 Impact Factor: 3.476 Quartile: 2 Citations: 9	2021
DOI: 10.1109/ACCESS.2021.3105902	
On Computation of Recently Defined Degree-Based Topological Indices of Some Families of Convex Polytopes via M-Polynomial Deeba Afzal Farkhanda Afzal Mohammad Reza Farahani Samia Al Complexity, Volume 2021, Article ID 5881476, 11 pages Impact Factor: 2.121 Quartile: 2 DOI: https://doi.org/10.1155/2021/5881476.	2021
Computational analysis of new degree-based descriptors of Zig-Zag Benzenoid system Farkhanda Afzal Muhammad Zaman Faryal Chaudhry Deeba Afzal Muhammad Raza Farhani Murat Cancan Eurasian Chemical Communications, Volume 3, Issue 6, Pages 418-424 Impact Factor: -	2021
DOI: 10.22034/ECC.2021.284310.1174	0001
Degree-based entropy of molecular structure of HAC5C7[P,Q] farkhanda Afzal Murat Cancan Suleman Ediz Deeba Afzal Faryal chaudhry Mohammad Reza Farhani Eurasian Chemical Communications, Volume 3, Issue 5, Pages 291-295 Impact Factor: - Citations: 2 DOI: 10.22034/ECC.2021.278787.1156	2021
Topological indices of the system of generalized prisms via M-Polynomial approach Farkhanda Afzal Mohammad Reza Farhanai Murat Can Can Faiza Arshad Deeba Afzal Faryal Chaudhry Eurasian Chemical Communications, Volume 3, Issue 5, Pages 296-300 Impact Factor: - Citations: 5	2021
DOI: 10.22034/ECC.2021.278749.1155	
Thermodynamics Inspired Co-operative Self-Organization of Multiple Autonomous Vehicles Farkhanda Afzal Tauseef Rana Alina Mirza Ayesha Maqbool	2021

Impact Factor: 3.401 | Quartile: 2 | Citations: 2 DOI: doi:10.32604/iasc.2021.017506 A future concern of iterative learning control: A survey 2021 Saleem Riaz Lin Hui Mehmet Serif Aldemir Farkhanda Afzal Journal of Statistics and Management Systems, Volume 24, Issue 6, Pages 1301-1322 Impact Factor: DOI: https://doi.org/10.1080/09720510.2020.1856421 2021 On computation of latest topological descriptors of some cactus chains graphs via M-polynomial Hina Hussain Deeba Afzal Mohammad Raza Ferahani Murat Cancan Suleyman Ediz Farkhanda Afzal Journal of Information & Optimization Sciences, Pages 1-10 Impact Factor: -DOI: https://doi.org/10.1080/02522667.2021.1896651 Design and Implementation of Novel LMI-Based Iterative Learning Robust Nonlinear Controller 2021 Saleem Riaz Hui Lin Farkhanda Afzal Ayesha Maqbool Complexity, Volume 2021, Article ID 5577241, 13 pages Impact Factor: 2.121 | Quartile: 2 | Citations: 12 DOI: 10.1155/2021/5577241 2021 A study of non-commutative von-neumann regular rings Farkhanda Afzal Shah Rukh Deeba Afzal Mohammad Reza Farahani Murat Cancan Suleyman Ediz Journal of Information & Optimization Sciences, Pages 1-11 Impact Factor: -DOI: DOI: 10.1080/02522667.2021.1896650 Characteristic sets verses generalized characteristic sets 2021 Safia Akram Muhammad Ashiq Deeba Afzal Murat Cancan Suleyman Ediz Farkhanda Afzal Journal of Discrete Mathematical Sciences and Cryptography, Volume 24, Issue 2, Pages 439-450 Impact Factor: - | Citations: 3 DOI: https://doi.org/10.1080/09720529.2021.1882160 A study of newly defined degree-based topological indices via M-polynomial of Jahangir graph 2021 Deeba Afzal Samia Ali Murat Cancan Suleman Ediz Mohammad Reza Farhani Farkhanda Afzal Journal of Discrete Mathematical Sciences and Cryptography, Volume 24, Issue 2, Pages 427-438 Impact Factor: 0 | Citations: 22 DOI: https://doi.org/10.1080/09720529.2021.1882159 Analyzing the boron triangular nanotube through topological indices via M-polynomial 2021 Sabir Hussain Deeba Afzal Murat Cancan Suleman Ediz Mohammad Reza Farahani Farkhanda Afzal Journal of Discrete Mathematical Sciences and Cryptography, Volume 24, Issue 2, Pages 415-426 Impact Factor: - | Citations: 23 DOI: https://doi.org/10.1080/09720529.2021.1882158 Modified 2-Way Wavefront (M2W) Algorithm for Efficient Path Planning 2021 Ayesha Magbool Alina Mirza Farkhanda Afzal International Journal of Computational Intelligence Systems, Volume 14, Issue 1, Pages 1066-1077 Impact Factor: 2.259 | Quartile: 3 DOI: https://doi.org/10.2991/ijcis.d.210305.002 Theoretical study of benzene ring embedded in P-type surface in 2d network using some new degree 2021 based topological indices via M-polynomial Sabir Hussain Farkhanda Afzal Deeba Afzal Mohammad Raza Ferahani Murat Cancan Suleyman Ediz Eurasian Chemical Communications, Volume 3, Issue 3, Pages 180-186 Impact Factor: 0 | Citations: 16 DOI: http://dx.doi.org/10.22034/ecc.2021.272315.1134 2021 Supervised ensemble learning methods towards automatically filtering Urdu fake news within social media Muhammad Pervez Akhter Jiangbing Zhang Atif Mehmood Hui Lin Saleem Riaz Farkhanda Afzal

Intelligent Automation & Soft Computing, Volume 28, No.3, Pages 653-667

PeerJ Computer Science, Volume 7, Article Number e425
Impact Factor: 2.411 | Quartile: 2 | Citations: 33

DOI: DOI:10.7717/peerj-cs.425

Computing M-polynomial and topological indices of TUHRC4 molecular graph 2021 Farkhanda Afzal Faryal Chaudhry Muhammad Ehsan Mohammad Reza Farahani Murat Cancan Eurasian Chemical Communications, Volume 3(2), Pages 103-109 Impact Factor: 0 | Citations: 6 DOI: 10.22034/ECC.2021.269115.1124 Degree based topological indices of tadpole graph via M-polynomial 2021 Faryal chaudhry Muhammad Ehsan Farkhanda Afzal Mohammad Raza Ferahani Murat Cancan Idris Ciftci Eurasian Chemical Communications, Volume 3, Pages 146-153 Impact Factor: 0 | Citations: 8 DOI: 10.22034/ECC.2021.269116.1125 Closed Formulas for Some New Degree Based Topological Descriptors Using M-polynomial and Boron 2021 **Triangular Nanotube** Farkhanda Afzal Dong Yun Shin Choonkil Park Sabir Hussain Deeba Afzal Mohammad R. Farahani Frontier in Chemistry, Volume 8, Article 613873 Impact Factor: 5.545 | Quartile: 2 | Citations: 26 DOI: doi:10.3389/fchem.2020.613873 Weighted entropies of Tuc5c8[P;Q] nanotube with the degree based topological indices as weights 2021 Farkhanda Afzal Faiza Afzal Deeba Afzal Mohammad Reza Farahani Murat Cancan Süleyman Ediz Eurasian Chemical Communications, Volume 3, Issue 1, Pages 14-18 Impact Factor: - | Citations: 2 DOI: 10.22034/ECC.2021.120281 Weighted entropies of HAC5C7[p;q] nanotube 2021 Farkhanda Afzal Faiza Afzal Deeba Afzal Mohammad Reza Farahani Zahid Hussain Murat Cancand Eurasian Chemical Communications, Volume 3, Issue 1, Pages 1-5 Impact Factor: - | Citations: 3 DOI: 10.22034/ECC.2021.119835 The first and second Zagreb polynomial and the forgotten polynomial of Cm×Cn 2020 Farkhanda Afzal Mohammad Reza Farhanai Murat Can Can Süleyman Edize Deeba Afzal Abdul Qudair Baig Eurasian Chemical Communications, Volume 2, Pages 1183-1187 Impact Factor: - | Citations: 2 DOI: 10.22034/ECC.2020.256293.1097 New degree-based topological descriptors via m-polynomial of boron α -nanotube 2020 Deeba Afzal Sabir Husain Mehmet Serif Aldemir Mohammad Raza Ferahani Deeba Afzal Sabir Husain Mehmet Serif Aldemir Mohammad Raza Ferahani Farkhanda Afzal Eurasian Chemical Communications, Volume 2(11), Pages 1117-1125 Impact Factor: - | Citations: 25 DOI: 10.22034/ECC.2020.254614.1092 Weighted entropy of Zig-Zag chain 2020 Farkhanda Afzal Sidra Razzaq Mehmoona Abdur Razzaq Murat Can Can Mehmet Serif Aldemir Eurasian Chemical Communications, Volume 2, Pages 1082-1087 Impact Factor: N/A | Citations: 2 DOI: 10.22034/ECC.2020.251916.1080 2020 M-polynomial and topological indices of zigzag edge coronoid fused by starphene Farkhanda Afzal Sabir Hussain Deeba Afzal Saira Hameed Open Chemistry, Volume 18, Issue 1, Pages 1362-1369 Impact Factor: 1.554 | Quartile: 3 | Citations: 31 DOI: https://doi.org/10.1515/chem-2020-0161 A study of right zero divisor graph of 3 \times 3 matrices over $\mathbb{Z}2$ 2020 Abdul Jalil M. Khalaf Farkhanda Afzal Ayesha Maqbool Minhas Mahsud Deeba Afzal Faiza Khan Sherwani Journal of Information & Optimization Sciences, Pages 1-6 Impact Factor: -DOI: 10.1080/02522667.2020.1835035 Addiction to smartphones leading to distraction in the classrooms: Effect of different cultures 2020 Minhas Mahsud Farkhanda Afzal Abdul Jalil Al Khalaf Zafar Mahsud Arslan Afzal

Journal of Statistics and Management Systems, Pages 1-14

Impact Factor: - DOI: https://doi.org/10.1080/09720510.2020.1834660	
Right zero divisor graph of 2×2 matrices over Z 3 Abdul Jalil M. Khalaf Farkhanda Afzal Ayesha Maqbool Hina Dilawer Deeba Afzal Faryal Chaudhry Journal of Information & Optimization Sciences, Pages 1-8 Impact Factor: -	2020
DOI: 10.1080/02522667.2020.1826168 Exploring drivers of luxury brand buying behavior : An empirical study Farkhanda Afzal Murat Can Can Minhas Mahsud Kashifa Akbar Iqra Riaz Journal of Statistics and Management Systems, Pages 1-13 Impact Factor: -	2020
DOI: https://doi.org/10.1080/09720510.2020.1800790 Algorithm for computing differential char sets efficiently Ayesha Maqbool Murat Cancan Farkhanda Afzal Deeba Afzal Journal of Discrete Mathematical Sciences and Cryptography, Volume 23, No. 6, Pages 1203–1216 Impact Factor: N/A Citations: 3 DOI: DOI: 10.1080/09720529.2020.1809114	2020
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Symmetry-Basel Reviewed Papers for Journals Impact Factor: 2.940	2021
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Impact Factor: 1.2	
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Edited Journal Issue / Proceeding / Book	2020
Reviewed Papers for Journals Impact Factor: 3.091	2020
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