

## CURRICULUM VITAE TEMPLATE



Position/Designation: Assistant Professor  
 Department: Mathematical and Physical Sciences – Mathematics Section  
 College: College of Arts and Sciences  
 University of Nizwa, Sultanate of Oman

### Personal Information

Name: Dr. Shahid Zaman  
 Marital Status:  
 Email Address: s.zaman@unizwa.edu.om  
 Contact Numbers: (+968)77258462

### Academic Qualifications

Ph.D: Central China Normal University, Wuhan, China, 2020  
 M.Phil: GC University, Lahore, Pakistan, 2015  
 BS(Hons.): GC University, Lahore, Pakistan, 2012

### Teaching Activities, Current/Previous Experience

Graph theory and its applications  
 Spectral graph theory  
 Algebraic graph theory  
 Matrix theory  
 Advance Numerical Analysis  
 Graph labelling  
 Advance Algebra  
 Modern graph theory  
 Group Theory-II  
 Discrete structure  
 Vector and tensor analysis  
 Algebra III  
 Operations Research  
 Mathematical Methods  
 Rings and Fields  
 Integral Equations  
 Group Theory-I  
 Introduction to Statistics  
 Ordinary Differential Equations  
 Elementary graph theory  
 Probability Theory

Mathematical Spaces  
Numerical Analysis I  
Calculus III  
Complex Analysis  
Topology-I  
Functional Analysis  
Number Theory

### **Teaching Experiences**

**Jan. 2021–Sept. 2024:** Assistant Professor at Department of Mathematics, University of Sialkot, Pakistan.

**2018–2020:** Research Associate at Department of Mathematics, Central China Normal University, Wuhan-China

**2014–2017:** Lecturer at Department of Mathematics, University of Sialkot, Sialkot, Pakistan.

### **Research Activities**

(includes but not limited to research interests, conference attendance, conference presentations and publications: refereed journal, articles, books, etc.)

### **Research Interests:**

Spectral Analysis of graphs  
Topological Indices  
Extremal problems of graphs  
Chemical graph theory  
Graph Labeling  
Fuzzy Graph theory  
Algebraic graph theory  
Machine learning

### **Pee Reviewer:**

Discrete Applied Mathematics  
IEEE Access  
Linear and Multilinear Algebra.  
Discrete Mathematics, Algorithms and Applications (DMAA)  
Computers, Materials and Continua  
Applied mathematics and computation, and many others

### **Research Profile Links**

Web of Science ID: <https://www.webofscience.com/wos/author/record/IAO-3461-2023>

ORCID: <https://orcid.org/0000-0001-6152-8202>

Scholar ID: <https://scholar.google.com/citations?user=PwV-lrAAAAAJ&hl=en&oi=ao>

Researchgate ID: <https://www.researchgate.net/profile/Shahid-Zaman-4>

### **Conference Presentations:**

1. Asad Ullah, Hameed Ali, **Shahid Zaman**, Summeira Meherban "A comparative analysis of different topology description methods for 3D grains in polycrystalline microstructures" Conference: 1st International Conference on Mathematics and Applied Sciences At: Mehran UET, Shaheed Z.A. Bhutto Campus Khairpur Mir's Sindh Pakistan .

2. Nizam Ud Din, Asad Ullah, **Shahid Zaman** "Topological indices for certain Antitumor and Anti-COVID drug" Conference: Conference: 5th International Conference on Emerging Trends in Engineering, Management and Sciences (ICETEMS-2023)At: Peshawer, Pakistan .
3. Anila Hamraz, Asad Ullah, **Shahid Zaman** "Topological Characterization of SiliconCarbon molecular structures with respect to neighborhood molecular descriptors and entropy measures" Conference: Conference: 5th International Conference on Emerging Trends in Engineering, Management and Sciences (ICETEMS-2023)At: Peshawer, Pakistan .
4. Salima Salman, Asad Ullah, **Shahid Zaman** "Various Resistance distance indices of bipartite graphs with respect to diameter two and their sharp bounds" Conference: Conference: 5th International Conference on Emerging Trends in Engineering, Management and Sciences (ICETEMS-2023)At: Peshawer, Pakistan .

## **List of Publications:**

### **Publications in 2024**

1. **Shahid Zaman**, K. H. Hakami, Sadaf Rasheed & Fekadu Tesgera Agama. "Reduced reverse degree-based topological indices of graphyne and graphdiyne nanoribbons with applications in chemical analysis." Scientific Reports 547(2024). <https://www.nature.com/articles/s41598-023-51112-1>, IF=4.996, Q2
2. **Shahid Zaman**, Ahmed Raza, Asad Ullah "Some new version of resistance distance-based topological indices of complete bipartite networks." The European Physical Journal Plus. <https://doi.org/10.1140/epjp/s13360-024-05127-w>, IF=2.8, Q1
3. **Shahid Zaman**, Asad Ullah, Rabia Naseer, Kavi Rasool. "Mathematical Concepts and Empirical Study of Neighborhood Irregular Topological Indices of Nanostructures TUC4C8 p , q and GTUC p , q." Journal of Mathematics. <https://doi.org/10.1155/2024/7521699>, IF=1.55, Q1
4. Ali N. A. Koam, Ali Ahmad, **Shahid Zaman**, Ibtisam Masmali, and Haleemah Ghazwani. "Fundamental aspects of the molecular topology of fuchsine acid dye with connection numbers" The European Physical Journal E. <https://link.springer.com/article/10.1140/epje/s10189-024-00418-7>, IF=1.8 , Q3
5. **Shahid Zaman**, Muhammad Usamah Majeed, Wakeel Ahmed, Maliha Tehseen Saleem "On Neighborhood Eccentricity-Based Topological Indices with QSPR Analysis of PAHs Drugs." Measurement Interdisciplinary Research and Perspectives. <https://doi.org/10.1080/15366367.2024.2329950>, IF=1.0, Q4
6. **Shahid Zaman**, Sonia Zafar, Asad Ullah, Muhammad Azeem. "Computational and molecular characterization of Chitosan derivatives by means of graph-theoretic parameters ." Partial Differential Equations in Applied Mathematics. <https://doi.org/10.1016/j.padiff.2024.100726>, IF=N/A,
7. Zunaira Kosar, **Shahid Zaman**, Asad Ullah, Muhammad Kamran Siddiqui, Melaku Berhe Belay. "Computation of molecular description of supramolecular Fuchsine model useful in medical data." SCientific reports. <https://doi.org/10.1038/s41598-024-60284-3>, IF=4.6, Q2
8. Muhammad Salman, Asad Ullah, **Shahid Zaman**, Emad E. Mahmoud, Melaku Berhe Belay. "3D molecular structural modeling and characterization of indium phosphide via irregularity topological indices." BMC Chemistry. <https://doi.org/10.1186/s13065-024-01204-4>, IF=4.6, Q1
9. Muhammad Danish, Tehreem Liaquat, Farwa Ashraf, **Shahid Zaman**. "Predictive modeling and regression analysis of diverse sulfonamide compounds employed in cancer therapy." Frontiers in Chemistry. <https://doi.org/10.3389/fchem.2024.1413850> IF=5.3, Q1

10. Wakeel Ahmed, Kashi fAli, **Shahid Zaman**, Fekadu Tesgera Agama. "A python based algorithmic approach to optimize sulfonamide drugs via mathematical modeling." Scientific Reports. <https://doi.org/10.1038/s41598-024-62819-0>, IF=4.66, Q2
11. Guofeng Yu, **Shahid Zaman**, Mah Jabeen, Xuewu Zuo. "The study of pentagonal chain with respect to schultz index, modified schultz index, schultz polynomial and modified schultz polynomial." PLOS ONE. <https://doi.org/10.1371/journal.pone.0304695>, IF=2.9, Q1
12. Wakeel Ahmed, **Shahid Zaman**, Farhana Khalid "Analyzing Polycyclic Aro-matic Hydrocarbons using Topological Indices and QSPR Analysis to Reveal Molecular Complexity" Journal of Micromechanics and Molecular Physics, DOI:10.1142/S2424913024500061, IF=0.661, Q4
13. Asifa Tassaddiq, Wakeel Ahmed, **Shahid Zaman**, Asma Raza, Usman Islam, Kwara Nantomah, "A Modified Iterative Approach for Fixed Point Problem in Hadamard Spaces" Journal of Function Spaces, doi.org/10.1155/2024/5583824, IF=1.9, Q2
14. Wakeel Ahmed, kashif Ali, **Shahid Zaman**, Asma Raza "Molecular insights into anti-Alzheimer's drugs through predictive modeling using linear regression and QSPR analysis" Modern Physics Letters B, doi.org/10.1142/S0217984924502609, IF=1.9, Q2
15. Asad Ullah, Safina Jabeen, **Shahid Zaman**, Anila Hamraz, Summeira Meherban, "Predictive potential of K-Banhatti and Zagreb type molecular descriptors in structure–property relationship analysis of some novel drug molecules" Journal of the Chinese Chemical Society. DOI: 10.1002/jccs.202300450 IF=1.8, Q3
16. Summeira Meharban, Asad Ullah, **Shahid Zaman**, Anila Hamraz, Abdul Razaq "Molecular structural modeling and physical characteristics of anti-breastcancer drugs via some novel topological descriptors and regression models" Current Research in Structural Biology doi.org/10.1016/j.crstbi.2024.100134, IF=2.8, Q2
17. Asma Jabeen, Shahzad Ahmad, **Shahid Zaman**, "The study of regression model based on CoM-polynomial in blood cancer drug properties" Partial Differential Equations in Applied Mathematics. doi.org/10.1016/j.padiff.2024.100648, IF=NA, Q4
18. Mimoon Ismael, **Shahid Zaman**, Kashif Elahi, Ali N.A. Koam, Ansa Bashir, "Analytical Expressions and Structural Characterization of Some Molecular Models Through Degree Based Topological Indices" Mathematical Modelling of Engineering Problems. doi.org/10.18280/mmep.110105, IF=0.578, Q4
19. Asad Ullah, Salima Salman, **Shahid Zaman**. "Resistance distance and sharp bounds of two-mode electrical networks." Physica Scripta. DOI: 10.1088/1402-4896/ad5c16, IF=2.8, Q2
20. **Shahid Zaman**, Mahnoor Mushtaq, Muhammad Danish, Parvez Ali, Sadaf Rasheed."Topological Characterization of Some New Anti-Viral Drugs for Cancer Treatment."BioNanoScience. DOI:10.1007/s12668-024-01500-2, IF=3.0, Q2
21. Wakeel Ahmed, **Shahid Zaman**, Sana Ashraf."Topological characterization of three classes of complex networks and their graphical representation and Analysis." Journal of Micromechanics and Molecular Physics. DOI: doi.org/10.1142/S2424913024500115 IF=0.515
22. **Shahid Zaman** "Statistical Evaluation of Cancer Drugs by QSPR Modeling." NANO. DOI: 10.1142/S1793292024501157, IF=1.0
23. Asad Ullah, Salima Salman, **Shahid Zaman**. "Resistance distance and sharp bounds of two-mode electrical networks." Physica Scripta. DOI: 10.1088/1402-4896/ad5c16, IF=2.6
24. Wakeel Ahmed, Kashif Ali, **Shahid Zaman**, Farooq Ahmad, and Mamo Abebe Ashebo. "Molecular Insights into Anti-Alzheimer's Drugs Through Eccentricity-Based Predictive Mathematical Modeling Using Regression and QSPR Analysis." Journal of Molecular and Engineering Materials. DOI: doi.org/10.1142/S2251237324500163, IF=2.4
25. Xiaofang Li, Muzafar Jamal, Asad Ullah, Emad E. Mahmoud, **Shahid Zaman** & Melaku Berhe Belay. "Computational insights into zinc silicate MOF structures: topological modeling, structural characterization and chemical predictions." Scientific Reports. DOI: 10.1038/s41598-024-70567-4, IF=3.8 Publications in 2023

## **Publications in 2023**

26. **Shahid Zaman** and Asad Ullah. "Kemeny's constant and global mean first passage time of random walks on octagonal cell network." Mathematical Methods in the Applied Sciences. <https://onlinelibrary.wiley.com/doi/10.1002/mma.9046>, IF=3.007, Q1
27. **Shahid Zaman**, Mehreen Mustafa, Asad Ullah and Muhammad Kamran Siddiqui. "Study of mean-first-passage time and Kemeny's constant of a random walk by normalized Laplacian matrices of a penta-chain network" The European Physical Journal Plus. <https://link.springer.com/article/10.1140/epjp/s13360-023-04390-7>, IF=3.4, Q1
28. **Shahid Zaman**, Aisha Kamboh, Asad Ullah and Jia-Bao Liu. "Development of some novel resistance distance based topological indices for certain special types of graph networks." Physica Scripta 2023. <https://iopscience.iop.org/article/10.1088/1402-4896/ad0d95> . IF=2.98, Q1
29. Xiaodong Yu, **Shahid Zaman**, Asad Ullah, Ghulamullah Saeedi and XiuJun Zhang "Matrix Analysis of Hexagonal Model and Its Applications in Global Mean-First-Passage Time of Random Walks" IEEE ACCESS 2023. <https://ieeexplore.ieee.org/document/10029338>, IF=3.476, Q1
30. Zunaira Kosar, **Shahid Zaman**, Muhammad Kamran Siddiqui, "Structural characterization and spectral properties of hexagonal phenylene chain network" European Physical Journal Plus 2023. <https://doi.org/10.1140/epjp/s13360-023-03997-0>, IF=3.758, Q1
31. Tao Yan, Zunaira Kosar, Adnan Aslam, **Shahid Zaman**, Asad Ullah. "Spectral techniques and mathematical aspects of K4 chain graph." Physica Scripta. <https://doi.org/10.1088/1402-4896/acc4f0>, IF=3.081, Q1
32. **Shahid Zaman**, Wakeel Ahmed, Atash Sakeena, Kavi Rasool & Mamo Abebe Ashebo. "Mathematical modeling and topological graph description of dominating David derived networks based on edge partitions." Scientific Reports 15159(2023). <https://www.nature.com/articles/s41598-023-42340-6>, IF=4.996, Q2
33. **Shahid Zaman**, Asad Ullah & Afia Shafaqat. "Structural modeling and topological characterization of three kinds of dendrimer networks." The European Physical Journal E (2023) 46:36. IF=1.624, Q2
34. **Shahid Zaman**, Hafiza Sana Arbab Yaqoob, Asad Ullah & Mariam Sheikh. "QSPR Analysis of Some Novel Drugs Used in Blood Cancer Treatment Via Degree Based Topological Indices and Regression Models." Polycyclic Aromatic Compounds (2023) 46:36. IF= 2.704, Q2
35. **Shahid Zaman**, Mehwish Jalani, Asad Ullah, Wakeel Ahmad & Ghulamullah Saeedi. "Mathematical analysis and molecular descriptors of two novel metal–organic models with chemical applications." Scientific Reports 5314 (2023). IF=4.996, Q2
36. **Shahid Zaman**, Zunaira Kosar, Saif Ullah, Adeela Nawaz, "Mathematical aspects and molecular descriptors for anti-tumour and anti-COVID drugs medications" Molecular Physics 2023. <https://doi.org/10.1080/00268976.2023.2278702>, IF=1.7, Q2
37. **Shahid Zaman**, Mehwish Jalani, Asad Ullah, Mubashir Ali, Tayyba Shahzadi "On the topological descriptors and structural analysis of cerium oxide nanostructures" Chemical Papers 2023. <https://link.springer.com/article/10.1007/s11696-023-02675-w>, IF=2.146, Q2
38. **Shahid Zaman**, Muhammad Salman, Shahzad Ahmad, Asad Ullah and Mohammed Salaheldeen Abdelgader Abas. "Three-Dimensional Structural Modelling and Characterization of Sodalite Material Network concerning the Irregularity Topological Indices." Journal of Mathematics. <https://doi.org/10.1155/2023/5441426>, IF=1.55, Q1
39. Asad Ullah, **Shahid Zaman**, Arshad Hussain, Asma Jabeen, Melaku Berhe Belay "Derivation of mathematical closed form expressions for certain irregular topological indices of 2D nanotubes" Scientific reports 2023. <https://DOI:10.1038/s41598-023-38386-1> . IF=4.99, Q1
40. Asad Ullah, **Shahid Zaman**, Anila Hamraz, Muniba Muzammal . "On the construction of some bioconjugate networks and their structural modeling via irregularity topological indices." The European Physical Journal E. IF=1.624, Q2



41. Zunaira Kosar, **Shahid Zaman**, Wajid Ali, Asad Ullah "The Number of Spanning Trees in a K5 Chain Graph" Physica Scripta 2023. <https://iopscience.iop.org/article/10.1088/1402-4896/ad07b9>, IF=2.98, Q1
42. Xiujun Zhang, Zainab Saeed Bajwa, **Shahid Zaman**, Sidra Munawar & Dan Li "The study of curve fitting models to analyze some degree-based topological indices of certain anti-cancer treatment" Chemical Papers 2023. <https://link.springer.com/article/10.1007/s11696-023-03143-1>, IF=2.146, Q2
43. Asad Ullah, Zohra Bano , **Shahid Zaman**. "Computational aspects of two important biochemical networks with respect to some novel molecular descriptors." Journal of Biomolecular Structure and Dynamics. <https://doi.org/10.1080/07391102.2023.2195944>, IF=5.235 , Q1
44. Asad Ullah, Shams udin, **Shahid Zaman**, Anila Humraz. "Zagreb connection topological descriptors and structural property of the triangular chain structures." Physica Scripta. <https://iopscience.iop.org/article/10.1088/1402-4896/acb327>, IF=3.081, Q1
45. Abdul Hakeem Phulpoto, Asad Ullah, **Shahid Zaman** "Computation of some important degree based topological indices for graphyne and Zigzag graphyne nanoribbon" Molecular Physics. <https://doi.org/10.1080/00268976.2023.2211403>, IF=1.937, Q1
46. Asad Ullah, Muzafar Jamal, **Shahid Zaman**, Shams Udin "Connection based novel AL topological descriptors and structural property of the Zinc Oxide Metal Organic Frameworks" Physica Scripta, DOI: 10.1088/1402-4896/ad350c, IF=2.9, Q2

#### **Publications in 2022**

47. **Shahid Zaman** and He X, . "Relation between the inertia indices of a complex unit gain graph and those of its underlying graph." Linear and Multilinear Algebra 70, no. 5 (2022): 843—877. IF=1.178, Q2
48. **Shahid Zaman**. "Spectral analysis of three invariants associated to random walks on rounded networks with 2n-pentagons." International Journal of Computer Mathematics 99, no. 3 (2022): 465—485. IF=1.750, Q2
49. **Shahid Zaman**, Ali N. A. Koam, Ali Al Khabyah, Ali Ahmad "The Kemeny's Constant and Spanning Trees of Hexagonal Ring Network" Computers, Materials & Continua 2022, 73(3), 6347-6365. <https://doi.org/10.32604/cmc.2022.031958>, IF=3.860, Q1
50. Ali Al Khabyah, **Shahid Zaman**, Ali N. A. Koam, Ali Ahmad and Asad Ullah. "Minimum Zagreb Eccentricity Indices of Two-Mode Network with Applications in Boiling Point and Benzenoid Hydrocarbons." Mathematics 10(2022): 1393. IF=2.592, Q1
51. Javeria Dinar, Zahid Hussain, **Shahid Zaman**, Shams Ur Rehaman "Wiener index for an intuitionistic fuzzy graph and its application in water pipeline network" Ain Shams Engineering Journal. <https://doi.org/10.1016/j.asej.2022.101826>, IF=4.790, Q1
52. **Shahid Zaman**, Mehwish Jalani, Asad Ullah and Ghulamullah Saeedi "Structural Analysis and Topological Characterization of Sudoku Nanosheet". Journal of Mathematics. <https://doi.org/10.1155/2022/5915740>, IF=1.555, Q3
53. Asad Ullah, Muhammad Qasim, **Shahid Zaman** and Asad Khan. "Computational and comparative aspects of two carbon nanosheets with respect to some novel topological indices." Ain Shams Engineering Journal 13, no. 4 (2022):101672. IF=4.790, Q1
54. Asad Ullah, Aurang Zeb, **Shahid Zaman** "A new perspective on the modeling and topological characterization of H-Naphtalenic nanosheets with applications" Journal of Molecular Modeling. <https://doi.org/10.1007/s00894-022-05201-z>, IF=2.172, Q3
55. Asad Ullah, Shamsudin, **Shahid Zaman**, Anila Hamraz, Ghulamullah Saeedi "Network-Based Modeling of the Molecular Topology of Fuchsin Acid Dye with Respect to Some Irregular Molecular Descriptors" Journal of Chemistry. <https://doi.org/10.1155/2022/8131276>, IF=3.242, Q1

### **Publications in 2021**

56. **Shahid Zaman**. "Cacti with maximal general sum connectivity index." Journal of Applied Mathematics and Computing 65, no. combined 1-2 (2021):147-160. IF=2.196, Q1
57. **Shahid Zaman** and Ali Akbar. "On the Connected Graphs Having Maximum Connective Eccentricity Index." Journal of Applied Mathematics and Computing 67,(2021):131-142. IF=2.196, Q1
58. **Shahid Zaman**, Fouad A. Abolaban, Ali Ahmad and Muhammad Ahsan Asim. "Maximum H-index of bipartite network with some given parameters." AIMS Mathematics 6 no.5 (2021): 5165–5175. IF=2.739, Q1
59. **Shahid Zaman**, Jawad Alam and Asma Jabeen. "SUPER FACE MAGIC LABELING OF SUBDIVIDED PRISM GRAPH." Jordan Journal of Mathematics and Statistics (JJMS), 14 no.4 (2021): 777– 785. IF=0.38, Q4

### **Publications in 2020**

60. Li Q, **Shahid Zaman**, Sun.W and Jawad Alam. "Study on the normalized Laplacian of a penta-graphene with applications." International Journal of Quantum Chemistry, 120 no.9 (2020): e26154. IF=2.437, Q2
61. Wang.G, Yan.L, **Shahid Zaman** and Zhang.M. "The connective eccentricity index of graphs and its applications to octane isomers and benzenoid hydrocarbons." International Journal of Quantum Chemistry, 120 no.18 (2020): e26334. IF=2.437, Q2

### **Research Supervised (MS students)**

1. **Tayyba Shahzadi**, "Matrix Analysis of Networks and its Applications in Spanning Trees and Kemeny's Constant " University of Sialkot-Pakistan (October 2022)
2. **Mehreen Mustafa**, "SPECTRAL ANALYSIS OF GRAPH AND ITS APPLICATIONS IN GLOBAL MEAN FIRST PASSAGE TIME" University of Sialkot-Pakistan (May 2023)
3. **Aisha** , "Some new Versions of Eccentric and Degree based Resistance Distance Sum on Graphs with Diameter 2" University of Sialkot-Pakistan. (August 2023)
4. **Zainab Saeed Bajwa**, "THE STUDY OF CURVE FITTING MODELS TO ANALYZE SOME DEGREE BASED TOPOLOGICAL INDICES OF CERTAIN ANTI-CANCER TRAETMENT MOLECULES. (August 2023)
5. **Wajahat Latif**, " Impact of m-Polar Fuzzy Graphs on Four Asian Countries" University of Sialkot-Pakistan. ((August 2023)
6. **Rohma Noor**, "Some Distance Based Topological Indices of Pentagonal Ring Network" University of Sialkot-Pakistan.(August 2023)
7. **Sadaf Rasheed**, " Some Topological Properties of Graphyne and Graphdiyne Nanoribbons " University of Sialkot-Pakistan.(August 2023)
8. **Warda Shahid**, "Computational Study of Some Distance Based topological Indices of Zigzag Polyhex Nanotube " University of Sialkot-Pakistan.(August 2023)
9. **Mah Jabeen Sajjad**, "The Comparative Study of Some Chain Graphs Among Schultz Index, Schultz Polynomial and Modified Schultz Polynomial " University of Sialkot-Pakistan.(August 2023)
10. **Muhammad Muneeb**, " The Effective Resistance Distance, Kemenys Constant and Global Mean First Passage Time of Graphs " University of Sialkot-Pakistan.(August 2023)
11. **Aqsa Imtiaz**, " The Wiener Index and Gutman Index of Linear Phenylenes Network " University of Sialkot-Pakistan.(August 2023)
12. **Waseem Asghar**, " Study on the Spectrums of Laplacian Polynomial of Graphs with Application in Random Walk " University of Sialkot-Pakistan.(May 2024)
13. **Mahnoor Mushtaq**, " Topological Characterization of Some New Antiviral Drugs for Cancer Treatment " University of Sialkot-Pakistan.(May 2024)
14. **Ahmed Raza**, " Some New Version of Resistance Distance Based Topological Indices of Complete Bipartite Network " University of Sialkot-Pakistan.(May 2024)

<p>15. <b>Mehreen Zahra</b>, " Computational Study of Resistance Distance and Kirchhoff Index of Connected Triangular Chain Graph " University of Sialkot-Pakistan.(August 2024)</p> <p>16. <b>Aqsa Javed</b>, " A Study of Decomposition Laplacian Spectrum and Two Invariant Properties of a Chain Graph " University of Sialkot-Pakistan.(August 2024)</p> <p>17. <b>Farah Siddique</b>, " Study on Resistance Distance Based Graph Invariants of Finite Networks " University of Sialkot-Pakistan.(August 2024)</p> <p>18. <b>Maryam Munir</b>, " Resistance Distance and Kirchhoff Index of a Double Nested Chain Graph " University of Sialkot-Pakistan.(August 2024)</p> <p>19. <b>Muqadas Shahzad</b>, " Study of Maximum Upper and Minimum Lower Bounds of Connected Graphs " University of Sialkot-Pakistan.(August 2024)</p> <p>20. <b>Sana Abbas</b>, " Mathematical Techniques of Anti-Skin Pigmentation Drugs Through Quantitative Structure Property Relationship and Regression Analysis " University of Sialkot-Pakistan.(August 2024)</p> <p>21. <b>Zunaira Saeed</b>, " Study of Entropy Based Invariants in two Types of Chain Hex Derived Network" University of Sialkot-Pakistan.(August 2024)</p>
<b>Faculty Administrative Experience</b>
<p>2016–2017: Head Department of Mathematics, at University of Sialkot-Pakistan.</p> <p>2015–2016: Program Manager of Physical Science in University of Sialkot-Pakistan.</p> <p>2015–2017: Member of discipline committee at University of Sialkot-Pakistan.</p> <p>2015–2017: PT member of Quality Enhancement Cell (QEC) at University of Sialkot-Pakistan.</p>
<b>Community Services</b>
<b>Consultancy</b>
<b>Membership in Professional Bodies</b>
<b>Awards and Recognitions</b>
<ul style="list-style-type: none"> <li>• Achieved Excellent CCNU International Student Award, for the year 2019 in Central China Normal University Wuhan-China.</li> <li>• Achieved Young CCNU Scientist Award, for the year 2020 in Central China Normal University Wuhan-China.</li> <li>• Awarded Chinese Government Scholarship, for the year 2017.</li> <li>• Awarded HEC Pakistan Scholarship in BS level, at GC University, Lahore Pakistan.</li> <li>• HEC Approved PhD Supervisor, Ref. HEC/HRD/ASA/2022/91123.</li> </ul>