CURRICULUM VITAE

SYED AHTSHAM UL HAQ BOKHARY

Professor

Centre of Advanced Studies in Pure and Applied Mathematics
Bahauddin Zakariya University, Multan, Pakistan

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1. PERSONAL DATA

Name	Syed Ahtsham Ul Haq Bokhary
Date of Birth	14 August 1981
Nationality	Pakistani
Present Position	Professor (Tenured)
Present Address	Centre of Advanced Studies in Pure and Applied Mathematics, Bahauddin Zakariya University, Multan, Pakistan
E-mail	ahtsham@bzu.edu.pk; sihtsham@gmail.com
ORCID iD	0000-0002-8957-0792
Scopus Author ID	7003578892

2. ACADEMIC APPOINTMENTS AND POSITIONS

Designation	**Institution**	**Period**
Professor (Tenured)	Bahauddin Zakariya University, Multan	24-11-2024 – Present
Tenured Associate Professor	Bahauddin Zakariya University, Multan	13-11-2020 – 23-11-2024
Assistant Professor	Bahauddin Zakariya University, Multan	13-03-2012 – 12-11-2020
Assistant Professor	National Textile University, Faisalabad	28-09-2011 – 12-03-2012
Assistant Professor	Bahauddin Zakariya University, Multan	05-08-2010 – 27-09-2011

3. ACADEMIC AND PROFESSIONAL PARTICULARS

3.1 Field of Specialization

Discrete Mathematics, with specific emphasis on Combinatorics, Cryptography, Molecular Graph Theory, Spectral Graph Theory, Distances in Graphs, and Graph Labeling.

3.2 Education

No.	Degree	Institution and Year	Thesis / Advisor
1	Ph.D. (Mathematics)	Abdus Salam School of Mathematical Sciences, GC University, Lahore (2005–2010)	*Chromatic Polynomial and Chromatic Uniqueness of Spernerian Hypergraphs*; Advisor: Prof. Dr. Ioan Tomescu
2	M.Phil. (Mathematics)	Quaid-i-Azam University, Islamabad (2003–2005)	*Derivation and Jordan Derivations of Bi-Modules*; Advisor: Dr. Asif Ali
3	M.Sc. (Mathematics)	Punjab University, Lahore (2000–2003)	—

3.3 Research Impact and Citation Metrics

The citation profile of the author across the major indexing databases is summarised below. Scopus and Web of Science values require authenticated access; the profile links provided permit direct verification by evaluators.

Database	Author Identifier	Profile	Citation Indicator
Scopus	Author ID 7003578892	View	Indexed author record; citation count and h-index available
Web of Science	ResearcherID linked to ORCID 0000-0002-8957-0792	View	Core Collection indexed author; citation metrics accessible via subscription
Google Scholar	Verified profile (@bzu.edu.pk)	View	**1038 citations** (publicly verifiable)
zbMATH Open	zbMATH author record	View	
Semantic Scholar	Author profile	View	**612 citations**

Note. Citation counts are current as of November 2026 and are subject to change.

3.4 Academic Honors, Awards, and Research Grants

Date	Title	Sponsoring Agency	Amount
01-03-2023	Graph-Based Matrices and Invariants: Properties and Applications	UAE University, United Arab Emirates	300,000 AED
02-06-2018	Controllability in Graphs Using Node Distinguishing Parameter	Higher Education Commission (HEC), Pakistan	1,244,595 PKR
25-10-2010	Total Vertex Irregular Labelling of Graphs	Higher Education Commission (HEC), Pakistan	500,000 PKR

3.5 Language Proficiency

Language	Proficiency
Urdu	Native
English	Professional (fluent in reading, writing, and speaking)

4. TEACHING

4.1 Summary of Courses Taught

No.	Course Title	Level	Times Taught
1	Calculus I	Undergraduate	3
2	Calculus II	Undergraduate	3
3	Calculus III	Undergraduate	2
4	Calculus for Engineers	Undergraduate	1
5	Algebra I	Undergraduate	3
6	Algebra II	Undergraduate	12
7	Algebra III	Undergraduate	12
8	Abstract Algebra	Undergraduate	5
9	Linear Algebra	Undergraduate	2
10	Numerical Analysis I	Undergraduate	2
11	Numerical Analysis II	Undergraduate	4
12	Discrete Structure	Undergraduate	04
13	Vector and Tensor Analysis	Undergraduate	01
14	Mechanics	Undergraduate	01
15	Optimization Theory	Undergraduate	01
16	Business Mathematics	Undergraduate	01
17	Combinatorics and Graph Theory (MATH 524)	Postgraduate (M.Phil.)	6
18	Topics in Graph Theory	Postgraduate (M.Phil.)	04
19	Teaching and Research Methodology	MPhil	01

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5. RESEARCH SUPERVISION

5.1 Ph.D. Theses Supervised

No.	Student Name	Thesis Title	Status	Year
1	Ghulam Abbas	Resolvability and Some Related Invariants	Completed	2021
2	Tanveer Iqbal	Vertex Neighborhood Related Graph Invariants and Their Applications	Completed	2021
3	Muhammad Shahzad Akhtar	Extremal Properties of Certain Interconnecting Networks	Completed	2021
4	Adnan	Topological Descriptors and Properties of Graphs and Hypergraphs	Completed	2022
5	Sakina Ashraf	(Under Supervision)	In Progress	—

5.2 M.Phil. Theses Supervised (46)

No.	Student Name	Thesis Title	Year
1	Ghulam Abbas	Resolvability of Some Families of Corona Product Graphs	2014
2	Shahzad Akhtar	Game Chromatic Number and Game Coloring Number of Graphs	2014
3	Zil-e-Shams	Resolvability and Exchange Property of Wheel Related Graphs	2015
4	Sadia Manzoor	On Topological Indices of Certain Networks	2015
5	Sakina Ashraf	Chromatic Uniqueness of 2-Connected Graphs	2016
6	Humara Awan	Distance Paired Domination Number of Generalized Petersen Graph	2016
7	Hira Faheem	Vertex Irregular Total Labeling of Grid Graph	2016
8	Aqsa Shah	Combinatorial Structure of Chemical Networks	2016
9	Saqib Firdous	Domination and Paired Domination in Generalized Anti-Prism Graph	2016
10	Hirra Mubeen	Degree and Distance Based Indices of Chemical Structures	2017
11	Iram Ghaffar	Domination and Distance Paired Domination in Sierpiński Graphs	2017
12	Saba Freed	Cordial Labeling of Grid-Like Graphs	2018
13	Sahar Saba	Irregularity Strength in Networks	2018
14	Muhammad Samiullah	On Families of Graphs with Constant Metric and Partition Dimension	2018
15	Kashaf Khan	Some Molecular Structures and Their Topological Properties	2018
16	Abdul Majeed	The Study of Metric Dimension in Some Families of Graphs	2018
17	Muhammad Sajjad	On Some Topics Related to Distances in Graphs	2018
18	Shumaila Naz	Cordial Labeling in Some Families of Graphs	2018
19	Muhammad Rashid Irfan	Irregular Total Labelling of Molecular Graph	2018
20	Hafsah Tabassum	On the Energy of Some Graphs and Signed Digraphs	2019
21	Muhammad Nadeem	The Edge Irregular Reflexive Labeling of Some Families of Graphs	2019
22	Danish Saleem	Degree Diameter Problem of Some Chemical Network	2019

No.	Student Name	Thesis Title	Year
23	Samawia Khalid	—	2020
24	Ferzana	Cordial and Prime Cordial Labeling of Multibridge Graphs	2020
25	ShehrBano	Chromatic Uniqueness of K-Bridge Hypergraphs	2020
26	Shumaila Shabbir Bajwa	Topological Properties of the Graph of Elementary Wall of Infinite Height	2020
27	Sidra Tul Muntiha	Metric Properties of Double Generalized Petersen Graph	2020
28	Muhammad Umair	On the Locating Chromatic Number of Graphs	2021
29	Memoona Rahman	Some Resolving Parameters of the Graphs Homeomorphic to Circulant Graphs	2021
30	Salma Mushtaq	Edge Metric Dimension of Some Graphs Constructed from Wheel Graphs	2021
31	Maira Hanif	Diameter Vulnerability in 3-Regular Graphs	2021
32	Safia Ramzan	Some New Results on Cordial and Related Labeling of Graphs	2021
33	Rashida Gulzar	The Characteristic Polynomial and Energy of Certain Graphs	2021
34	Atia Hanif	Some Combinatorial Facts of Diamond Graphs	2022
35	Syeda Saba Tabassum	Some Polynomials and Topological Indices of Pent Chains	2022
36	Muhammad Nasir	Computation of Certain Topological Indices in Algebraic Graphs	2022
37	Shakeel Ahmad	Diameter Vulnerability Problem and Its Importance in Interconnecting Networks	2022
38	Muhammad Usman	Graph Products and Their Game Chromatic Number	2022
39	Nadir Ali	Edge Resolving Parameters of Some Convex Polytopes	2022
40	Muhammad Zeeshan Shah	Irregular Reflexive Labeling of Graphs Constructed from Circulant-Like Graphs	2022
41	Ghulam Akbar	Topological Indices and QSPR Analysis of Drugs Used for the Treatments of Certain Diseases	2022
42	Pakizah Bashir	Distances in Nanostar Dendrimers Using Vertex Weighted Graphs	2023
43	Muhammad Zubair Javed	Hypergraphs Matrices and Their Spectral Properties	2024
44	Asad Abbas	Graph Energies of Some Fractal Trees	2024
45	Quratulain	Secure Data Transmission through Graph-Theoretic Encryption and Decryption Strategies	2024
46	Sidra Majeed	Encryption and Decryption Scheme Using Graph Labeling and Pythagorean Numerology	2024

Note. Completion years are not recorded in the source documentation.

6. PARTICIPATION AND TALKS AT REGIONAL, NATIONAL, AND INTERNATIONAL FORA

1. Member, Scientific Committee, 1st International Conference "Mathematics for Sustainable Future," 12–14 December 2022.
2. Invited Speaker, AUA–UAEU Workshop on Graph Theory, Combinatorics and Applications (GTCA 2022), 13–15 November 2022.
3. Research Visit, United Arab Emirates University, UAE, March 2022.
4. Keynote Speaker, 2nd Summer School "New Trends in Mathematical Sciences," University of Swat, Shangla Campus, Shangla, Pakistan, 18–22 July 2022.
5. Participant, 1st Summer School "New Trends in Mathematical Sciences," University of Swat, Shangla Campus, Shangla, Pakistan, August 2021.
6. Participant, "A Two-Day Workshop on Turbulence Modeling and Simulations," 19–20 December 2018, CASPAM, BZU, Multan.
7. Participant, "The Joint International Meeting of the Chinese Mathematical Society and the American Mathematical Society," 11–14 June, Shanghai, China.
8. Lecturer, "One-Day Symposium on Combinatorial Graph Theory," 13 March 2018.
9. Member, Organizing Committee, 8th CASPAM Regional Olympiad of Mathematics, 2023, CASPAM, BZU, Multan.
10. Member, Organizing Committee, 7th CASPAM Regional Olympiad of Mathematics, 16 April 2022, CASPAM, BZU, Multan.
11. Member, Organizing Committee, 6th CASPAM Regional Olympiad of Mathematics, 16 April 2019, CASPAM, BZU, Multan.
12. Member, Organizing Committee, 5th CASPAM Regional Olympiad of Mathematics, 19 April 2018, CASPAM, BZU, Multan.
13. Member, Organizing Committee, CASPAM International Conference on Mathematics and Applications, 6–7 November 2017, CASPAM, BZU, Multan.
14. Member, Organizing Committee, 4th CASPAM Regional Olympiad of Mathematics, 12 April 2017, CASPAM, BZU, Multan.
15. Member, Organizing Committee, 3rd CASPAM Regional Olympiad of Mathematics, 12 May 2016, CASPAM, BZU, Multan.
16. Member, Organizing Committee, 2nd CASPAM Regional Olympiad of Mathematics, 29 April 2015, CASPAM, BZU, Multan.
17. Invited Speaker, "International Workshop on Discrete Structure," 5–7 March 2014, NUST, Islamabad.
18. Member, Organizing Committee, 1st CASPAM Regional Olympiad of Mathematics, 12 March 2014, CASPAM, BZU, Multan.
19. Paper Presentation, "On the Locating Number of Graphs," 6th World Conference on 21st Century Mathematics, 6–9 March 2013, School of Mathematical Sciences, GCU Lahore.
20. Lecture, "Game Chromatic Number of Graphs," Spring Workshop on Recent Advances in Graph Theory and Combinatorics, 17–19 February 2012, LUMS, Lahore.
21. Paper Presentation, "On Chromaticity of Multi-Bridge Hypergraphs," 4th World Conference on 21st Century Mathematics, 4–8 March 2009, GCU Lahore.
22. Participant, UNESCO–CIMPA School on Number Theory in Cryptography and Its Applications, Dhulikhel, Nepal, 19–31 July 2010.

23. Participant, UNESCO–CIMPA School on Extremal Problems and Hamiltonicity in Graphs, Indonesia, 2–13 February 2009.
24. Participant, UNESCO–CIMPA School on Discrete and Computational Geometry, Lahore, Pakistan, 23–30 March 2008.
25. Paper Presentation, "Chromatic Coefficient of Linear Uniform Hypergraphs," LUMS 2nd International Conference on Mathematics, Lahore, Pakistan, 9–12 March 2008.
26. Participant, 3rd International Conference on 21st Century Mathematics, Lahore, Pakistan, 4–7 March 2007.
27. Participant, LUMS International Conference on Mathematics and Its Application in Information Technology, Lahore, Pakistan, 27–30 November 2005.
28. Regular research seminars with M.Phil./Ph.D. students, CASPAM, BZU, Multan.

7. SERVICES TO THE PROFESSION

7.1 Reviewer for International Journals

Reviewer for more than 50 journals. Some of them are listed below:

1. Graphs and Combinatorics
2. Utilitas Mathematica
3. Ars Combinatoria
4. Applied Mathematics and Computation
5. Applied Mathematics and Computing
6. IEEE Access
7. Journal of Mathematics
8. Mathematical Problems in Engineering
9. Main Group Metal Chemistry
10. Heliyon
11. Open Mathematics
12. Hacettepe Journal of Mathematics and Statistics
13. South African Journal of Chemistry
14. Turkish Journal of Mathematics
15. Journal of Combinatorial Mathematics and Computing
16. Journal of Prime Research in Mathematics
17. Electronic Journal of Graph Theory and Application
18. British Journal of Mathematics and Computation
19. TWMS Journal of Applied and Engineering Mathematics
20. Discrete Mathematics
21. Journal of Chemistry
22. Electronics Letters
23. Polycyclic Aromatic Compounds
24. Iranian Journal of Mathematical Sciences and Informatics
25. Complexity
26. International Journal of Quantum Chemistry
27. International Journal of Mathematics and Mathematical Sciences
28. Molecular Physics
29. Journal of Taibah University for Science

7.2 Editorial Service

- Guest Editor, *Journal of Chemistry*, Special Issue "Application of Molecular Topological Descriptors in Chemistry."

7.3 External Services to the Mathematical Community

1. External Examiner, Department of Mathematics, COMSATS Institute of Information Technology, Islamabad (Lahore Campus).

2. External Examiner, Department of Mathematics, COMSATS Institute of Information Technology, Islamabad (Attock Campus).
3. External Examiner, Department of Mathematics, COMSATS Institute of Information Technology, Islamabad (Sahiwal Campus).
4. External Examiner, GC University Faisalabad.
5. External Examiner, National University of Computer and Emerging Sciences, Lahore.
6. Member, Board of Studies, Centre for Advanced Studies in Pure and Applied Mathematics, Bahauddin Zakariya University, Multan.
7. Member, Synopsis Committee, Centre for Advanced Studies in Pure and Applied Mathematics, Bahauddin Zakariya University, Multan.
8. Member, Departmental Tenure Review Committee (DTRC), Centre for Advanced Studies in Pure and Applied Mathematics, Bahauddin Zakariya University, Multan.

7.4 Development of New Courses

- Postgraduate course **Combinatorics and Graph Theory** (MATH 524), designed and delivered for the M.Phil. programme at CASPAM, BZU, Multan.
- Postgraduate course **Topics in Graph Theory**, designed and delivered for the M.Phil. programme at CASPAM, BZU, Multan.
- Postgraduate course **Advanced Cryptographic Method** (MATH 524), designed and delivered for the M.Phil. programme at CASPAM, BZU, Multan.
- Undergraduate course **Introduction to Cryptography** (MATH 524), designed and delivered for the M.Phil. programme at CASPAM, BZU, Multan.

7.5 Administrative Assignments

- Deputy Superintendent of Examinations (DSA), CASPAM, Bahauddin Zakariya University, Multan.

7.6 Membership of Professional Societies

- American Mathematical Society (AMS).
- National Mathematical Society of Pakistan.

8. LIST OF PUBLICATIONS

8.1 Impact-Factor Journals (Web of Science)

2009

1. I. Tomescu and **S. A. U. H. Bokhary**, "Some properties of chromatic coefficient of linear uniform hypergraphs," *Graphs and Combinatorics*, vol. 25, pp. 639–646, 2009.
2. **S. A. U. H. Bokhary**, I. Tomescu, and A. A. Bhatti, "On chromaticity of multi-bridge hypergraphs," *Graphs and Combinatorics*, vol. 25, pp. 145–152, 2009.
3. I. Tomescu and **S. A. U. H. Bokhary**, "Series-parallel chromatic hypergraphs," *Discrete Applied Mathematics*, vol. 158, pp. 198–203, 2009.

2010

4. M. Imran, **S. A. U. H. Bokhary**, and A. Q. Baig, "On families of convex polytopes with constant metric dimension," *Computers and Mathematics with Applications*, vol. 60, no. 9, pp. 2629–2638, 2010.

2012

5. M. Imran, A. Q. Baig, **S. A. U. H. Bokhary**, and I. Javaid, "On the metric dimension of circulant graphs," *Applied Mathematics Letters*, vol. 25, pp. 320–325, 2012.

2013

6. M. Imran, A. Ahmad, **S. A. U. H. Bokhary**, and A. Semanicova, "On classes of regular graphs with constant metric dimension," *Acta Mathematica Scientia*, vol. 33B, no. 1, pp. 187–206, 2013.
7. **S. A. U. H. Bokhary**, M. Imran, and A. Ahmad, "On vertex irregular total labeling of Cartesian products of two paths," *Utilitas Mathematica*, vol. 90, pp. 239–249, 2013.
8. A. Ahmad, **S. A. U. H. Bokhary**, M. Imran, and A. Q. Baig, "Vertex irregular total labeling of cubic graphs," *Utilitas Mathematica*, vol. 91, pp. 287–299, 2013.
9. M. Imran, F. Bashir, A. Q. Baig, **S. A. U. H. Bokhary**, A. Riasat, and I. Tomescu, "On metric dimension of flower graphs $f_{n\times m}$ and convex polytopes," *Utilitas Mathematica*, vol. 92, pp. 389–409, 2013.
10. M. Imran, A. Q. Baig, and **S. A. U. H. Bokhary**, "On the metric dimension of convex polytopes," *AKCE International Journal of Graphs and Combinatorics*, vol. 10, no. 3, pp. 295–307, 2013.

2014

11. M. Imran, A. Q. Baig, **S. A. U. H. Bokhary**, and E. T. Baskoro, "New classes of convex polytopes with constant metric dimension," *Utilitas Mathematica*, vol. 95, pp. 97–111, 2014.
12. M. Imran and **S. A. U. H. Bokhary**, "On resolvability in double-step circulant graphs," *U.P.B. Scientific Bulletin, Series A*, vol. 76, no. 2, pp. 31–42, 2014.
13. S. Naz, M. Salman, U. Ali, I. Javaid, and **S. A. U. H. Bokhary**, "On the constant metric dimension of generalized Petersen graphs $P(n,4)$," *Acta Mathematica Sinica*, vol. 30, no. 7, pp. 1145–1160, 2014.

2015

14. A. Ahmad, M. Imran, O. Al-Mushayt, and **S. A. U. H. Bokhary**, "On the metric dimension of barycentric subdivision of Cayley graphs," *Miskolc Mathematical Notes*, vol. 16, no. 2, pp. 637–646, 2015.

2016

15. M. Imran, **S. A. U. H. Bokhary**, and A. Q. Baig, "On the metric dimension of convex polytopes with pendant edges," *Ars Combinatoria*, vol. 125, pp. 433–447, 2016.
16. M. Imran, A. Q. Baig, and **S. A. U. H. Bokhary**, "On the metric dimension of rotationally-symmetric graphs," *Ars Combinatoria*, vol. 124, pp. 111–128, 2016.
17. **S. A. U. H. Bokhary**, M. Imran, and S. Manzoor, "On molecular topological properties of dendrimers," *Canadian Journal of Chemistry*, vol. 94, pp. 120–125, 2016.

2017

18. **S. A. U. H. Bokhary**and S. Akhtar, "Game chromatic number of some families of graphs," *Utilitas Mathematica*, vol. 104, pp. 15–22, 2017.

2018

19. **S. A. U. H. Bokhary**, S. Maqbool, and U. Ali, "Irregular total labeling of wheel related graphs," *Utilitas Mathematica*, vol. 107, pp. 231–242, 2018.
20. X. Zhang, M. Ibrahim, **S. A. U. H. Bokhary**, and M. K. Siddiqui, "Edge irregular reflexive labeling for the disjoint union of gear graphs and prism graphs," *Mathematics*, vol. 6, art. 142, 2018.
21. U. Ali, **S. A. U. H. Bokhary**, K. Wahid, and G. Abbas, "On resolvability of graphs associated to finite vector space," *Journal of Algebra and Its Applications*, vol. 18, art. 1950029, 2018.

2019

22. G. Abbas, U. Ali, M. Munir, **S. A. U. H. Bokhary**, and S. M. Kang, "Power graphs and exchange property for resolving sets," *Open Mathematics*, vol. 17, pp. 1303–1309, 2019.

2020

23. M. S. Akhtar, M. Imran, and **S. A. U. H. Bokhary**, "Optimal graphs in the enhanced mesh networks," *Journal of Mathematics*, vol. 2020, art. 9869201, 2020.
24. T. Iqbal, M. Imran, and **S. A. U. H. Bokhary**, "Domination and power domination in certain families of nanostars dendrimers," *IEEE Access*, vol. 99, pp. 130947–130951, 2020.
25. **S. A. U. H. Bokhary**, Z. Shams, A. Ghaffar, and K. S. Nisar, "On the metric basis in wheels with consecutive missing spokes," *AIMS Mathematics*, vol. 5, no. 6, pp. 6221–6232, 2020.
26. J. Wei, **S. A. U. H. Bokhary**, G. Abbas, and M. Imran, "Resolvability in subdivision of circulant networks $C_n[1,k]$," *Discrete Dynamics in Nature and Society*, vol. 2020, art. 4197678, 2020.
27. T. Iqbal, M. N. Azhar, and **S. A. U. H. Bokhary**, "The k-size edge metric dimension of graphs," *Journal of Mathematics*, vol. 2020, art. 1023175, 2020.
28. **S. A. U. H. Bokhary**and M. S. Akhtar, "Degree diameter problems of silicate networks," *Utilitas Mathematica*, vol. 115, pp. 181–197, 2020.
29. **S. A. U. H. Bokhary**and T. Iqbal, "Connectivity polynomials and topological indices of enhanced honeycomb networks," *Utilitas Mathematica*, vol. 116, pp. 229–245, 2020.

2021

30. F. E. Alsaadi, **S. A. U. H. Bokhary**, A. Shah, U. Ali, J. Cao, M. O. Alassafi, M. U. Rehman, and J. U. Rahman, "On knowledge discovery and representations of molecular structures using topological indices," *JAISCR*, vol. 11, no. 1, pp. 21–32, 2021.
31. L. Ding, **S. A. U. H. Bokhary**, M. U. Rehman, U. Ali, H. Mubeen, Q. Iqbal, and J.-B. Liu, "Degree-based indices of some complex networks," *Journal of Mathematics*, vol. 2021, art. 5531357, 2021.
32. **S. A. U. H. Bokhary**, M. Imran, S. Akhter, and S. Manzoor, "Molecular topological invariants of certain chemical networks," *Main Group Metal Chemistry*, vol. 44, pp. 141–149, 2021.
33. **S. A. U. H. Bokhary**and Adnan, "On vertex PI index of certain triangular tessellation networks," *Main Group Metal Chemistry*, vol. 44, pp. 203–212, 2021.
34. Adnan, **S. A. U. H. Bokhary**, and M. Imran, "On Wiener polarity index and Wiener index of certain triangular networks," *Journal of Chemistry*, vol. 2021, art. 2757925, 2021.

2022

35. Adnan, **S. A. U. H. Bokhary**, G. Abbas, and T. Iqbal, "Degree based topological indices and QSPR analysis of anti-tuberculosis drugs," *Journal of Chemistry*, vol. 2022, art. 5748626, 2022.
36. H. Tabassum, **S. A. U. H. Bokhary**, T. Jiarasuksaku, and P. Kaemawichanurat, "Counting the numbers of paths of all lengths in dendrimers and its applications," *MATCH Communications in Mathematical and in Computer Chemistry*, vol. 88, pp. 659–681, 2022.
37. **S. A. U. H. Bokhary**and H. Tabassum, "The energy of some tree dendrimers," *Journal of Applied Mathematics and Computing*, vol. 68, pp. 1033–1045, 2022.
38. **S. A. U. H. Bokhary**, Adnan, M. K. Siddiqui, and M. Cancan, "On topological indices and QSPR analysis of drugs used for the treatment of breast cancer," *Polycyclic Aromatic Compounds*, vol. 42, no. 9, pp. 6233–6253, 2022.
39. S. Ashraf, M. Imran, **S. A. U. H. Bokhary**, and S. Akhtar, "The Wiener index, degree distance index and Gutman index of composite hypergraphs and sunflower hypergraphs," *Heliyon*, vol. 8, no. 12, art. e12382, 2022.
40. M. S. Akhtar and **S. A. U. H. Bokhary**, "Game number of double generalized Petersen graphs," *Utilitas Mathematica*, vol. 119, pp. 9–17, 2022.

2023

41. **S. A. U. H. Bokhary**, K. Wahid, U. Ali, S. O. Hilali, M. Alhagyan, and A. Gargouri, "Resolvability in subdivision graph of circulant graphs," *Symmetry*, vol. 15, no. 4, art. 867, 2023.
42. T. Iqbal, **S. A. U. H. Bokhary**, S. O. Hilali, M. Alhagyan, A. Gargouri, and M. N. Azhar, "Edge resolvability in generalized Petersen graphs," *Symmetry*, vol. 15, art. 1633, 2023.
43. T. Iqbal, **S. A. U. H. Bokhary**, G. Abbas, J. Baili, H. Ahmad, H. Tabassum, S. Murtaza, Z. Ahmad, and X.-Z. Zhang, "Wiener polarity and Wiener index of double generalized Petersen graph," *Journal of King Saud University – Science*, vol. 35, no. 5, art. 102680, 2023.

2024

44. **S. A. U. H. Bokhary**, P. Bashir, A. Nawaz, S. O. Hilali, M. Alhagyan, A. Gargouri, and M. M. A. Almazah, "Computation of Wiener and Wiener polarity indices of a class of nanostar dendrimer using vertex weighted graphs," *Journal of Mathematics*, vol. 2024, art. 9941949, 2024.
45. **S. A. U. H. Bokhary**, A. Kharal, F. M. A. Samman, M. E. E. Dalam, and A. Gargouri, "Efficient graph algorithms in securing communication networks," *Symmetry*, vol. 16, art. 1269, 2024.

8.2 ISI-Indexed Journals (Web of Science)

2012

46. M. Imran, **S. A. U. H. Bokhary**, and A. Q. Baig, "Families of rotationally-symmetric plane graphs with constant metric dimension," *Southeast Asian Bulletin of Mathematics*, vol. 36, no. 5, pp. 663–675, 2012.
47. **S. A. U. H. Bokhary**, I. Javaid, and M. Imran, "On vertex irregularity strength of rotationally-symmetric convex polytopes," *Science International (Lahore)*, vol. 24, no. 3, pp. 251–256, 2012.

2014

48. A. Ahmad, **S. A. U. H. Bokhary**, R. Hasni, and Salamin, "Total vertex irregularity strength of ladder related graphs," *Science International (Lahore)*, vol. 26, no. 1, pp. 1–5, 2014.

2015

49. M. Imran, **S. A. U. H. Bokhary**, and A. Ahmad, "Total vertex irregularity strength of grid-like plane graphs," *Science International*, vol. 27, no. 2, pp. 821–828, 2015.

2016

50. M. Imran, **S. A. U. H. Bokhary**, and A. Q. Baig, "On the metric dimension of rotationally-symmetric convex polytopes," *Journal of Algebra, Combinatorics, Discrete Applied Mathematics*, vol. 3, no. 2, pp. 45–59, 2016.

2018

51. **S. A. U. H. Bokhary**, T. Iqbal, and U. Ali, "Game chromatic number of Cartesian and corona product graphs," *Journal of Algebra, Combinatorics, Discrete Applied Mathematics*, vol. 5, no. 3, pp. 129–136, 2018.

2020

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