

CURRICULUM VITAE

Personal Information

Name: **Imran Khalid**
Father's Name: Mushtaq Ahmad
Religion: Islam
Date and Place of Birth: April 01, 1978 (Hasilpur, Punjab)
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Nationality: Pakistani
Home Address: Chak No. 18/F.W, Tehsil Hasil Pur District Bahawal Pur.
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Academic Record

Institution	Degree	Year	Division	Major	Area of Research
Bahauddin Zakariya University, Multan Pakistan	Ph.D	2022		Mathematics	Graph Theory
Bahauddin Zakariya University, Multan Pakistan.	MPhil	2005	1 st	Mathematics	Mathematical Inequalities
Islamia University Bahawalpur, Pakistan.	M.Sc.	2002	1 st	Mathematics	—
Islamia University Bahawalpur, Pakistan.	B.Sc.	2000	1 st	Mathematics (A & B Courses)	Statistics

Employment Record

Post	Department / Organization	Dates
Lecturer (BS-18)	Centre for Advanced Studies in Pure and Applied Mathematics, Bahauddin Zakariya University, Multan, Pakistan	19-12-2007 to 13-10-2010 (Contract)
Lecturer (BS-18)	-do-	14-10-2010 to date (Permanent)

Research

Ph.D. Thesis Title: Study of Some Topological Indices in Graphs.
Research Supervisors:
(1) Dr. Faisal Ali, CASPAM, Bahauddin Zakariya University, Multan
(2) Dr. Muhammad Salman,

Areas of Research Interest:

- (1) Graph Theory
- (2) Mathematical Inequalities
- (3) Numerical Analysis
- (4) Algebra

Research Papers Published/ Accepted for Publication

Research Papers Published/Accepted for Publication in HEC Recognized Foreign Journals

1. Imran Khalid, Faisal Ali and Muhammad Salman, On the Metric Index of Circulant Networks-An Algorithmic Approach, *IEEE Access*, **7**, 58595-58601, (2019).
2. Fawaz E. Alsaadi, Muhammad Salman, Faisal Ali, Imran Khalid, Jinde Cao, Madini Obad Alassafi and Masood ur Rehman, An Algorithmic Approach to Compute the Metric Index of Chordal Ring Networks *IEEE Access*, **8**, 80427-80436, (2020).
3. Zheng-Qing Chu, Muhammad Salman, Asia Munir, Imran Khalid, Masood ur Rehman, Jia-Bao Liu and Faisal Ali, Some topological indices of dendrimers determined by their Banhatti polynomials, *Hetrocyclic Communications*, **26**, 99-111, (2020).
4. Jia-Bao Liu, Imran Khalid, Mohammad Tariq Rahim, Masood Ur Rehman, Faisal Ali and Muhammad Salman, Eccentric topological properties of a graph associated to a finite dimensional vector spaceces, *Main Group Metal Chemistry*, **43**, 164-176, (2020).
5. Faisal Ali, Waqas Aslam, Imran KLhalid and Akbar Nadeem, Iteration methods with an auxiliary function for nonlinear equations, *Journal of Mathematics*, 2020, Article ID: 7356408, (2020).
6. Fawaz E. Alsaadi, Faisal Ali, Imran Khalid, Masood ur Rehman, Muhammad Salman, Madini Obad Alassafi and Jinde Cao, Quantifying some distance topological properties of the non-zero component graph, *AIMS Mathematics*, 6(4), 3512–3524, (2021).
7. Muhammad Salman, Faisal Ali, Masood ur Rehman and Imran Khalid, Some Valency oriented molecular invariants of certain networks, *Combinatorial Chemistry & High Throughput Screening*, **25(3)**, 462–475, (2022).
8. Tanveer Iqbal, Muhammad Rafiq, Muhammad Naeem Azhar, Imran Khalid and Muhammad Salman, On the edge resolvability of double generalized Petersen graphs, *Journal of Mathematics*, In press.

Research Activities

M.Sc. and BS Projects Supervision

Sr. No.	Students of Class	TITLE	Status
1	M.phil	LOCAL METRIC DIMENSION OF S-MIDEL PATTH GRAPHS	In Progress
1	M.Sc.	An appraisal of point set topology and its implementation approaches for digital machines	Completed
2	M.Sc.	Report t on Fuzzy sets and their applications.	Completed
3	BS	Total irregularity strength of some new families of convex polytopes.	Completed

4	BS	An exposition of Soft set theory.	Completed
5	BS	Report on upper bounds of metric dimensions of generalized Petersen graph $(n, 3)$.	Completed
6	BS	Report on upper bounds of metric dimensions of generalized Petersen graph $(n, 4)$.	Completed
7	BS	In progress	
8	BS	In progress	

References

1. Dr. Faisal Ali, CASPAM Bahauddin Zakariya University, Multan, Pakistan.
2. Dr. Muhammad Salman, Department of Mathematics, Islamia University, Bahawalpur, Pakistan.

Participation in Conferences

- 2007 1st Mathematics Conference at CASPAM, Bahauddin Zakariya University, Multan, Pakistan.
- 2017 CASPAM International Conference on Mathematics and Applications.