Curriculum Vitae Dr. Iftikhar Ali

Name: Iftikhar Ali
Nationality: Pakistani
Addres : Mohallah Ghulam Nabi Park Street No 2, Bucheki, Tehsil and District Nankana Sahib, Pakistan.
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Academic Qualifications:-

Qualification	Year	University/Board
Ph.D. Mathematics (CGPA 3.80/4)	2022	The University of Lahore
M.Phil. Mathematics (CGPA 3.15/4)	2009	Government College University Lahore
M.Sc. Mathematics (894/1200)	2004	Government College University Lahore

Thesis Work :-

- Ph.D. Mathematics

The University of Lahore

Thesis Title: "INFLUENCE OF PERMUTABILITY AND EMBEDDEDNESS ON p-SOLVABILITY AND p-NILPOTENCCY OF FINIITE GROUPS"

- M.Phil. Mathematics

Govt College University Lahore

Thesis Title: "SOME RESULTS ON GAMMA RING"

Working Experience:-

- Lecture in The University of Lahore from August 2009 December 2016
- Assistant Professor in The University of Lahore from January 2017 to September 202.
- Visiting Assistant Prof of Mathematics science Oct 20224 to date in Baba Guru Nanak University Nankana Sahib, Pakistan

Reviewer

- Reviewer of Asian journal of chemical sciences
- Journal of Pharmaceutical Research International
- Asian Journal of Advances in Medical Science

Conferences/Symposium:-

- Word Conference on 21 Century Mathematics 18-20 March, School of Mathematical Sciences, GC University Lahore, Pakistan 2004 (**Participant**).
- 4th UMT International Conference on Pure & Applied Mathematics in 2018 (**Participant**)
- 1st UOL international Conference on Mathematics 30 Nov to 2Dec, 2019 (**Participant**).
- One day symposium on Pure and Applied Mathematics at University of Education Vehari Campus (**Speaker)** 13 Feb 2020.
- 1st International Conference on Applied Sciences& Technology Oct 24-25, Baba Guru Nanak University Nankana Sahib, Pakistan 2024 (**Organizer)**
- 1ST National Conference on Mathematics Quality education for Sustainability May 15-16 , Baba Guru Nanak University Nankana Sahib, Pakistan 2025 (**Organizer)**

COMPUTER SKILLS:-

Microsoft Office

Power point

Latex

Scientific Work Place

Published Research Papers/Submitted: -

1. **Iftikhar Ali and Abid Mahboob.** On nearly Hall s-semiembedded subgroups and p-nilpotency of finite groups. Social science Review Archives. 4(1), 2026.

2. **Iftikhar Ali.** Some results on partially Hall s-semiembedded subgroups and p-nilpotency of finite groups. Transylvanian Review. 33(1), 2025. **(I.F: 0.1)**.
3. **Iftikhar Ali**. Some attributes of Caffeine [$C_8H_{10}N_4O_2$] and Subdivided Aztec diamond network using Revan indices. Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan. 30(4), 2025.

4. Iftikhar Ali, Muhammad Haroon Aftab and Ali Akgul**.** A Study of Indium Phosphide and Line Graph of Subdivision Graph of *H*-naphtalenic Nano-Sheet by Using Irregularity Indices. Mongolian journal of chemistry. 26(53), 2025.

5. Iftikhar Ali and Muhammad Haroon Aftab. Computation analysis of reverse degree-based topological indices for graphyne and graphdiyne nanoribbons with some significant. Eur. Chem. Bull. 13(6), 2024, 304-314.

6. Iftikhar Ali, Memoona Kareem and Muhammad Haroon Aftab. Some characterization of γ-Sheet of Boron Clusters and Chiral PAMAM dendrimer using Revan indices. Eur. Chem. Bull. Eur. Chem. Bull. 13(6), 2024, 384-401.

7. Kamel Jebreen, Muhammad Haroon Aftab, **Iftikhar Ali**, Mohammed Issa Sowaity and Hassan Kanj.Topological Aspects Investigated from the M-Polynomial of γ-Sheet of Boron Clusters. International Journal of Chemical and Biochemical Sciences. 24(4) (2023), 469-477**.**

8. Iftikhar Ali, Nabaa Muhammad diaa, Muhammad Haroon Aftab, Muhammad Waheed Rasheed, Kamel Jebreen. Topological effects of Chiral PAMAM dendrimer for the treatment of cancer. Transylvanian Review. 31(2), 2023. **(I.F: 0.1)**.

9. Hong Yang , Abid Mahboob, Asim Zafer, **Iftikhar Ali**, Zafer Ullah, and Absar Ul Haq. On Quasi S-propermutable subgroups of finite groups. Journal of Mathematics. Volume 2020, 2020, 1- 8.
(I.F: 1.3).

10. Lian Chen, Abid Mahboob, Taswer Hussain and **Iftikhar Ali**. Influence of partially τ-embedded subgroups of prime power order in supersolubility and p –nilpotency of finite groups. Journal of Taibah University for Science. 13(1), 2019, 1044-1049. **(I.F: 4.1)**.

11. A. Mahboob, T. Hussain, **I. Ali** and M. J. Iqbal. Block transitive 4- (v, k, 4) design and Lie groups. Southeast Asian Bulletin of Mathematics. 43, 2019, 101–104.

12. A. Mahboob1**, I. Ali**, K. Abbas, T. Hussain, F. Shahzad, M. Altaf. On nearly C-permutable subgroups of finite groups. Technical Journal, University of Engineering and Technology (UET) Taxila, Pakistan. 24 (2), 2019, 90-93.

13. A. Mahboob, T. Hussain**, I. Ali.** A simple proof of A_5 as a subgroup of S_7 by using haracter table. Sci. Int. (Lahore). 28(3), 2016, 2363-2364**.**

14. Iftikhar Ali, Muhammad Haroon Aftab Computation analysis of reverse degree- based topological indices of indium Phosphide and line graph of Subdivision graph of *H*-naphtalenic nano-sheet **(Accepted).**

15. Topological aspects of the M-Polynomials of Caffeine [$C_8H_{10}N_4O_2$] and Subdivided Aztec diamond network **(Accepted).**

16. Iftikhar Ali, Muhammad Haroon Aftab, Terka Khalifa. Irregularity Indices of some molecules in drugs used in the treatment of H1N1 **(Under Review).**

17. Iftikhar Ali. Some attributes of Metal Organic Frameworks Via Reduce Reverse Degree Based Topological Indices **(Under Review).**

18. Iftikhar Ali, Mathematical Study of Zink Oxide and Zink Silicate Metal Organic Networks Via Reduce Reverse Degree Based Topological Indices **(Under Review).**

Courses Taught: -

- Group theory
- Linear Algebra
- Numerical Analysis
- Multivariable Calculus
- Complex analysis
- Differential Equations

Research Supervised to M.Phil Students :-

Name of Students: -	Thesis Title:-
1. Hamid Ullah **Registration No: PHMAT01163056**	On Multiplicative Integral Inequalities Via Generalized Convexity
2. Rameez Shahzad **Registration No: PHMAT01201031**	Construction of coset diagram on Galois field $GF(p)$ for p = 19
3. Shakeela Rehman **Registration No: PHMAT01201047**	Role of Fourier transformation in cryptography
4. Umair Naveed **Registration No: PHMAT01201033**	Construction of coset diagram on Galois field $GF(p)$ for p = 23

5. Habiba Hanif **Registration No: PHMAT01201015**	Role of Millin transformation in cryptography