



Khurram Shabbir

Professor of Mathematics

Government College University, Lahore, Pakistan

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ACADEMIC PROFILES

- **Google Scholar:** <https://scholar.google.com/citations?user=07T8DMQAAAAJ&hl=en&oi=ao>
- **ResearchGate:** <https://www.researchgate.net/profile/Khurram-Shabbir>
- **Web of Science:** <https://www.webofscience.com/wos/author/record/AAH-1312-2019>
- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=6173451100>
- **ORCID:** <https://orcid.org/0000-0001-6613-6339>

HEADER & PROFESSIONAL PROFILE

Tenured Professor of Mathematics and In-Charge of the Abdus Salam School of Mathematical Sciences (ASSMS), Government College University Lahore, with over 16 years of distinguished experience in academic leadership, research supervision, and institutional governance. Recognized for engineering institutional turnaround and restoring academic excellence, including leading a time-bound recovery of ASSMS by resolving critical PhD supervision challenges, re-establishing compliance with Higher Education Commission (HEC) regulations, and rebuilding international academic engagement.

Demonstrated expertise in strategic policy formulation, academic program development, and regulatory compliance, including the design and implementation of merit-based faculty hiring frameworks and revised PhD admission policies aligned with national standards. Successfully strengthened global academic linkages through collaborations and engagements with leading international bodies such as IMU, EMS, ICTP and CIMPA.

An established researcher with a strong publication record in internationally recognized journals, significant postgraduate supervision experience, and a sustained contribution to advancing mathematical sciences in Pakistan. Proven ability to lead multidisciplinary teams, manage complex academic systems, and drive institutional growth through transparency, accountability, and strategic vision.

ACADEMIC & ADMINISTRATIVE EXPERIENCE

In-Charge, Abdus Salam School of Mathematical Sciences (ASSMS)

Government College University Lahore

May 26, 2025 – Present

- Engineered institutional turnaround by stabilizing academic and research operations after a period of systemic decline.
- Resolved critical PhD supervision and academic continuity issues, restoring program functionality and stakeholder confidence.

- Re-established compliance with HEC Graduate Education Policy (2023), securing formal recognition of MPhil and PhD programs.
- Designed and implemented key institutional policies, including:
 - Abdus Salam Contractual Faculty Policy
 - Revised PhD Admission Policy ensuring transparency and merit-based selection
- Strengthened international academic engagement through collaborations with IMU, EMS, and CIMPA.
- Secured competitive funding, including two IMU International Visitor Grants (2025) and external sponsorship from Sufi Group.
- Led strategic planning and governance with emphasis on transparency, accountability, and sustainable growth.

Professor of Mathematics (Tenured)

Government College University Lahore

February 16, 2021 – Present

- Providing academic leadership in teaching, research, and postgraduate supervision at MPhil and PhD levels.
- Supervising graduate students contributing to high-quality research output and international publications.
- Actively contributing to university governance, including academic councils and policy-making bodies.
- Leading and participating in national and international research collaborations.

Associate Professor of Mathematics

Government College University Lahore

May 25, 2016 – February 15, 2021

- Delivered advanced courses and supervised postgraduate research in core areas of mathematics.
- Strengthened research culture through publications and collaborative initiatives.
- Contributed to academic administration and university committees.

Assistant Professor of Mathematics

Government College University Lahore

May 21, 2008 – May 24, 2016

- Established strong foundation in teaching, research, and student mentorship.
- Initiated research activities leading to peer-reviewed international publications.
- Contributed to curriculum delivery and departmental development.

Postdoctoral Fellow

Instituto de Matemáticas, Universidad Nacional Autónoma de México (UNAM), Mexico
February 2012

March 2011 –

- Conducted advanced research in an international academic environment.
- Collaborated with global experts, enhancing research visibility and academic networks.

Editor / Managing Editor, Journal of Prime Research in Mathematics (JPRM)

Abdus Salam School of Mathematical Sciences (ASSMS), Government College University Lahore **2015 – Present**

- Overseeing editorial management, peer-review processes, and maintaining high publication standards.
- Successfully transitioned the journal to the Open Journal Systems (OJS) platform for efficient editorial workflow and global accessibility.
- Ensuring quality control, indexing compliance, and adherence to international publishing standards.
- Initiated and processed the application for inclusion in the Web of Science indexing database.
- Promoting high-quality mathematical research at national and international levels.

ADMINISTRATIVE EXPERIENCE

Leadership & Key Administrative Roles

- **Director General (Office)**, Abdus Salam School of Mathematical Sciences, GC University Lahore **May 26, 2025 – Present**
 - Conference Convener & Resource Mobilizer (2025): Led organization of a 3-day international conference hosting 18 foreign professors, including Presidents of IMU, EMS, and IMM.
 - Facilitated a high-level global panel discussion on the future of mathematical sciences in Pakistan (2025).
- **In-Charge MPhil Program**, Government College University Lahore **2018 – Present**
- **Controller of Examinations**, Department of Mathematics, GC University Lahore **2012 – Present**
- **Editor / Managing Editor**, Journal of Prime Research in Mathematics (JPRM), ASSMS **2015 – Present**

Research Projects

- **Principal Investigator**, NRPU-HEC Project #7359 **2019 – 2021**
- **Principal Investigator**, ORIC GCU Lahore Funded Project No. 421/ORIC/24 **Oct 2024 – Oct 2025**

University Governance & Committees

- **Convener**, National Curriculum Review Committee (NCRC), HEC Islamabad **Oct 24–25, 2024**
- **Convener**, Technical Committee (PPRA), GC University Lahore **Sept 30, 2024**
- **Convener**, GCU Employee Loan Committee (BS-16 & Above) **Sept 13, 2024**
- **Convener**, Selection Committee (BS-01 to BS-16 Appointments), GCU Lahore **Oct 10, 2024**
- **Convener**, PEEDA Committee, GC University Lahore **Sept 12, 2023**
- **Convener**, Probe Committee (Financial & Audit Matters), ASSMS **Oct 17, 2024**
- **Convener**, Auction Committee (Dead Stock Disposal), ASSMS **June 04, 2024**
- **Convener**, Inspection Committee (Unserviceable Items), ASSMS **June 10, 2024**
- **Convener**, Probe Committee (Vendor Payments), ASSMS **June 03, 2024**
- **Member**, Academic Council, University of Narowal **Jan 29, 2024**
- **Member**, Grievance Redressal Committee (Punjab Govt. Honhaar Scholarship) **Oct 30, 2024**
- **Member**, University Student Grievance Committee **Oct 24, 2024**
- **Member**, Affiliation Committee, GC University Lahore **June 07, 2024**
- **Member**, Advisory Committee for Model Classrooms, GCU Lahore **Sept 12, 2024**
- **Member**, Kangaroo Mathematics Competition Investigation Committee **2017**

International Collaboration & Academic Engagement

- **Resource Person**, Erasmus+ MOU with Universitatea de Vest “Vasile Goldiș”, Romania **Nov 24, 2023**
- **Coordinator**, Collaboration with Indonesian Mathematical Society (IndoMS) for international conference organization **Dec 05–06, 2024**

Earlier Roles

- **Advisor**, Chawala Mathematical Society, GC University Lahore **2008 – 2011**

RESEARCH PROJECTS

- **Principal Investigator (PI)**
NRPU Project #20-7359, Higher Education Commission (HEC), Islamabad
Title: Open String Amplitudes and Elliptic Genera **2019 – 2021 (Completed)**
- **Principal Investigator (PI)**
ORIC, Government College University Lahore, Project No. 421/ORIC/24
Title: Extragradient Methods for Solving Fixed Point Problems **Oct 2024 – Oct 2025 (Completed)**

Books & Book Chapters

- **Book Chapter:** K. Shabbir, K. Ahmad, L. Guran, “Existence and Computational Approximation of Fixed Points of Generalized Multivalued Mappings in Banach Space”, In: Younis, M., Chen, L., Singh, D. (eds) *Recent Developments in Fixed-Point Theory. Industrial and Applied Mathematics*. Springer, Singapore, 2024, https://doi.org/10.1007/978-981-99-9546-2_13
- **Book:** *Milnor Algebras and Brieskorn Modules of Homogeneous Polynomials: Study of Torsion classes in the Brieskorn Modules*, 2009

Journal Publications

In 2026

1. M. W. Ashraf, Z. Zheng, **K. Shabbir**, M. I. U. Rehman, “Numerical investigation of heat transfer in Williamson nanofluid flow with the Cattaneo–Christov double diffusion model using an artificial neural network approach”, *Journal of Thermal Analysis and Calorimetry*, **2026**, (ISSN: 1588-2926, 1388-6150), (IF:3.1); <https://doi.org/10.1007/s10973-026-15365-y> W-Category

In 2025

2. Y. Almalki, W. Afzal, **K. Shabbir**, D. Breaz, L-I. Coțîrlă, A. Albaity, “New structural properties and Hermite- Hadamard inequalities for Godunova-Levin mappings via a novel analytical approaches”, *Research in Mathematics* , **2025**, VOL. 12, NO. 1, 2574096. (ISSN: 2768-4830), (IF. 1.1). <https://doi.org/10.1080/27684830.2025.2574096> X-Category
3. A. R Virk, **K. Shabbir**, S. Barhoumi, “QSPR Analysis of Antiplatelet Agents and Dual Antiplatelet Therapy Using Labeled Based Topological Indices and Lagrange Interpolation Techniques”, *Punjab University Journal of Mathematics*, 57(4), 2025, 573-594. (ISSN: 1016-2526), (IF. 1.0). [https://doi.org/10.52280/pujm.2025.57\(04\)04](https://doi.org/10.52280/pujm.2025.57(04)04) X-Category
4. K. Ahmad, **K. Shabbir**, K. Ahsan, “A Refined Inertial-like Subgradient Method for Split Equality Problems”, *AppliedMath*, 5(3), 117, 2025 (ISSN: 2673-9909), (IF. 0.7). <https://doi.org/10.3390/appliedmath5030117> X-Category
5. K. Ahmad, **K. Shabbir**, F. Ali, M,-F, Bota, L. Guran, “An Analytical Approach to Convergence, Stability, and Data Dependence of Jungck-KF Iterative Scheme with Applicatios in Dynamical Market Equilibrium,” *Symmetry*, 17(6), 2025, (ISSN: 2073-8994), (IF.2.2). <https://doi.org/10.3390/sym17060885> W-Category
6. A.A Zafar, M. Shahzaib,**K. Shabbir**, “Advanced Hemodynamic Modeling of Pulsatile Blood Flow with Magnetic Nano-particles: Fractional Analysis for Optimizing Biomedical Applications”, “*Punjab University Journal of Mathematics*”, 57(1-28), 2025, (ISSN:1016-2526), (IF: 1.0). [https://doi.org/10.52280/pujm.2025.57\(01\)01](https://doi.org/10.52280/pujm.2025.57(01)01) X-Category
7. K. Ahmad, E. R. Dolores-Cuenca, and **K. Shabbir**. “Shuffle series”. “*Journal of Algebraic Combinatorics*”, 61(2), 2025, 1-40, (ISSN: 1572-9192/0925-9899), (IF: 0.6). <https://doi.org/10.1007/s10801-025-01386-7> W-Category
8. W. U. Hassan, **K. Shabbir**, A. Zeeshan, R. Ellahi, “Regression analysis for thermal transport of fractional-order magnetohydrodynamic Maxwell fluid flow under the influence of chemical reaction using integrated machine learning approach”, “*Chaos, Solitons & Fractals*”, 191, 2025, 115927, (ISSN: 1873-2887/0960-0779), (IF: 5.3), <https://doi.org/10.1016/j.chaos.2024.115927> W-Category

In 2024

9. W. Afzal, M. Abbas, **K. Shabbir**, “Some new integral bounds for Godunova-Levin functions via fractional integral operators”, “Open Journal of Mathematical Sciences”, 8, 2024, 148-166, (ISSN: 2523-0212/2616-4906), <https://www.doi.org/10.30538/oms2024.0233> Non-HEC
10. **K. Shabbir**, A. Raza, L. Guran, “Computation of Total Absolute Difference Edge Irregularity Strength of some Graph with n-pentagonal Pages and 3-regular Graph”, “Scientific Inquiry and Review”, 8(4), 2024, 80-92, (ISSN:2521-2435/2521-2427), <https://doi.org/10.32350/sir.84.04> Y-Category
11. W. U. Hassan, **K. Shabbir**, M. I. Khan, L. Guran, “Computational Evaluation of Heat and Mass Transfer in Cylindrical Flow of Unsteady Fractional Maxwell Fluid Using Backpropagation Neural Networks and LMS”, “Mathematics”, 12(23), 2024, 3654, (ISSN:2227-7390), (IF:2.3), <https://doi.org/10.3390/math12233654> W-Category
12. J. Iqbal, **K. Shabbir**, & L. Guran, “Stability and convergence computational analysis of a new semi analytical-numerical method for fractional order linear inhomogeneous integro-partial-differential equations”. “Physica Scripta”, 99(12), 2024, 125241, (ISSN:1402-4896), (IF: 2.6). <https://doi.org/10.1088/1402-4896/ad8d8f> W-Category
13. J. Iqbal, **K. Shabbir**, L. Guran, H Emadifer, “A Novel Approach with Comparative Computational Simulation of Analytical Solutions of Fractional Order Volterra Type Integral Equations”, “International Journal of Differential Equations”, 2024, (ISSN:1687-9651, p.1687-9643), (IF:1.4) <https://doi.org/10.1155/2024/8629461> X-Category
14. A. A. Zafar, S. Hussain, **K. Shabbir**, “Analysing MHD Heat-Mass Transfer model for Oldroyd-B Fluid Using Fractional Order Prabhakar Derivative”, “Journal of Prime Research in Mathematics”, 20(2), 2024, 10-29, (ISSN: 1817-3462), (SCOPUS indexed Journal). Y-Category
15. A. A. Zafar, M. A. Sadiq, **K. Shabbir**, L. Guran, “A Computational Study of Vibrating System using the Constant Proportional Caputo Derivative Operator Approach”, “International Journal of Modern Physics C”, 2450231, 2024, doi:10.1142/S0129183124502310, (ISSN:0129-1831)(IF: 1.89) <https://www.worldscientific.com/doi/abs/10.1142/S0129183124502310> W-Category
16. K. Ahmad, **K. Shabbir**, N. Nazar, “Convergence Analysis of Picard Thakur Hybrid Iterative Scheme for α -Nonexpansive Mappings in Uniformly Convex Banach Spaces”, “International Journal of Applied Mathematical Research”, 13(1), 2024, 34- 48, (ISSN: 2227-4324). Non-HEC

In 2023

17. M.J.A. Junjua, **K. Shabbir**, A. Naseem, “Combinatorial Bounds of the Regularity of Elimination Ideals”, “Ars Combinatoria”, 2023, 25-34, (IF: 0.265) (ISSN: 0381-7032). <https://dx.doi.org/10.61091/ars156-3> Y-Category
18. A. Naseem, **K. Shabbir**, M. Ramzan, “Further Results on Radio Number of Wedge sum of Graphs”, “Ars Combinatoria”, 2023, 13-23, (IF: 0.265) (ISSN: 0381-7032). <https://dx.doi.org/10.61091/ars156-02> Y-Category
19. M. Abbas, K. Ahmad, **K. Shabbir**, “Approximation of Fixed Point of Multivalued Mean Nonexpansive Mappings in CAT(0) Spaces”, “Journal of Prime Research in Mathematics”, 19(2), 2023, 1–16, (ISSN: 1817-3462), (SCOPUS indexed Journal). Y-Category
20. **K. Shabbir**, “Milnor Fibrations and Regularity Conditions for Real Analytic Mappings”, “Journal of Prime Research in Mathematics”, 19(1), 2023, 82–91, (ISSN: 1817-3462), (SCOPUS indexed Journal). Y-Category

21. J. Iqbal, **K. Shabbir**, A. Bucur, A. A. Zafar, “Analyzing the convergence of a semi-numerical-analytical scheme for non-linear fractional PDEs”, “Alexandria Engineering Journal”, 78, 2023, 26-34, 2023, (IF. 6.8) (ISSN: 1110-0168), <https://doi.org/10.1016/j.aej.2023.06.095> W-Category
22. M. K. Azam, S. E. Farooq, F. Ahmad, M. Iqbal, **K. Shabbir**, M. Aziz Rehman, “Applications of extended Hadamard K-fractional integral”, “Italian Journal of Pure and Applied Mathematics”, N. 49, 2023, 29-44, (ESCI WoS Journal) (ISSN: 2239-0227). https://ijpam.uniud.it/journal/onl_2023-49.html Y-Category
23. A. Waqar, **K. Shabbir**, M. Arshad, J. K. K. Asamoah, A. M. Galal, “Some Novel Estimates of Integral Inequalities for a Generalized Class of Harmonical Convex Mappings by Means of Center-Radius Order Relation”, “Journal of Mathematics”, 2023, (IF. 1.555) (ISSN: 2314-4629), <https://doi.org/10.1155/2023/8865992> X-Category
24. L. Guran, **K. Shabbir**, K. Ahmad, M.-F. Bota, “Stability, Data Dependence, and Convergence Results with Computational Engendering of Fractals via Jungck–DK Iterative Scheme”, “Fractal & Fractional”, 7(6):418, 2023, (IF. 3.577) (ISSN: 2504-3110), <https://doi.org/10.3390/fractalfract7060418> W-Category
25. W. Afzal, **K. Shabbir**, T. Botmart, S. Treanta. “Correction: Some new estimates of well known inequalities for-Godunova-Levin functions by means of center-radius order relation”, “AIMS Mathematics”, 8(6), 2023, 13789-13790, (IF. 2.739) (ISSN: 2473-6988), <https://doi.org/10.3934/math.2023702> W-Category
26. W. Afzal, **K. Shabbir**, T. Botmart. “Correction: Generalized version of Jensen and Hermit-Hadamard inequalities for interval-valued-Godunova-Levin functions”, “AIMS Mathematics”, 8(6), 2023, 13793-13794. (IF. 2.739) (ISSN: 2473-6988), <https://doi.org/10.3934/math.2023704> W-Category
27. L. Guran, K. Ahmad, **K. Shabbir**, M.-F. Bota, “Computational comparative analysis of fixed point approximations of generalized α -nonexpansive mappings in hyperbolic spaces”, “AIMS Mathematics”, 8(2), 2023, 2489-2507, (IF. 2.739) (ISSN: 2473-6988), <https://doi.org/10.3934/math.2023129> W-Category
- In 2022**
28. T. Saeed, W. Afzal, **K. Shabbir**, S. Treanta, M. De la Sen, “Some Novel Estimates of Hermite–Hadamard and Jensen Type Inequalities for (h_1, h_2) -Convex Functions Pertaining to Total Order Relation”, “Mathematics”, 10(24):4777, 2022, (IF. 2.592) (ISSN: 2227-7390), <https://doi.org/10.3390/math10244777> W-Category
29. W. Afzal, **K. Shabbir**, T. Botmart, S. Treanta, “Some new estimates of well known inequalities for (h_1, h_2) -Godunova-Levin functions by means of center-radius order relation”, “AIMS Mathematics”, 8(2), 2022, 3101–3119, (IF. 2.739) (ISSN: 2473-6988). <https://doi.org/10.3934/math.2023160> W-Category
30. W. Afzal, **K. Shabbir**, S. Treanta, K. Nonlaopon, “Jensen and Hermite-Hadamard type inclusions for harmonical h -Godunova-Levin functions”, “AIMS Mathematics”, 8(2), 2022, 3303–3321. (IF. 2.739) (ISSN: 2473-6988), <https://doi.org/10.3934/math.2023170> W-Category
31. W. Afzal, **K. Shabbir**, T. Botmart, “Generalized version of Jensen and Hermite-Hadamard inequalities for interval-valued (h_1, h_2) -Godunova-Levin functions”, “AIMS Mathematics”, 7(10), 2022, 19372-19387. (IF. 2.739) (ISSN: 2473-6988), <https://doi.org/10.3934/math.20221064> W-Category
32. X. Zhang, **K. Shabbir**, W. Afzal, H. Xiao, D. Lin, “Hermite–Hadamard and Jensen-Type Inequalities via Riemann Integral Operator for a Generalized Class of Godunova–Levin Functions”, “Journal of Mathematics”, 2022, (IF. 1.555) (ISSN: 2314-4629), <https://doi.org/10.1155/2022/3830324> X-Category

33. W. Afzal, A. Alb Lupas, **K. Shabbir**, “Hermite–Hadamard and Jensen-Type Inequalities for Harmonical (h_1, h_2) -Godunova–Levin Interval-Valued Functions”, “Mathematics”, 10(16), 2022, 2970, (IF. 2.592) (ISSN: 2227-7390). <https://doi.org/10.3390/math10162970> W-Category
34. J. Iqbal, **K. Shabbir**, L. Guran, “Stability Analysis and Computational Interpretation of an Effective Semi-Analytical Scheme for Fractional Order Non-Linear Partial Differential Equations”, “Fractal Fractional”, 6(7), 2022,, 393, (IF. 3.577) (ISSN: 2504-3110), <https://doi.org/10.3390/fractalfract6070393>. X-Category
35. J. Jia, **K. Shabbir**, K. Ahmad, N. A. Shah, and T. Botmart, “Corrigendum to Strong Convergence of a New Hybrid Iterative Scheme for Nonexpensive Mappings and Applications”, “Journal of Function Spaces”, 2022, Article ID 9815927, (IF. 1.807) (ISSN: 2314- 8896), <https://doi.org/10.1155/2022/9815927>, <http://www.hindawi.com/journals/jfs/2022/9815927/> X-Category
36. J. Jia, **K. Shabbir**, K. Ahmad, N. A. Shah, T. Botmart, “Strong Convergence of a New Hybrid Iterative Scheme for Nonexpensive Mappings and Applications”, “Journal of Function Spaces”, 2022, Article ID 4855173, (IF. 1.807) (ISSN: 2314-8896), <https://doi.org/10.1155/2022/4855173>. X-Category

In 2021

37. Javed Iqbal, **K. Shabbir**, L. Guran, “Semi-Analytical Solutions of Some Nonlinear-Time Fractional Models Using Variational Iteration Laplace Transform Method”, “Journal of Function Space”, 2021, Article ID 8345682, (IF. 1.807) (ISSN: 2314-8896), <https://doi.org/10.1155/2021/8345682>. X-Category
38. Z. Lv, M. J. A. Junjua, M. T. Tahir, **K. Shabbir**, “Certain Bounds of Regularity of Elimination Ideals on Operations of Graphs”, “Mathematical Problems in Engineering”, 2021, Article ID 3697430, (IF. 1.305)(ISSN: 1024-123X), <https://doi.org/10.1155/2021/3697430>. W-Category
39. A. R. Nizami, **K. Shabbir**, M. S. Sardar, M. Qasim, M. Cancan, S. Ediz, “Base polynomials for degree and distance based topological invariants of n-bilinear straight pentachain”, “Journal of Information and Optimization Sciences”, 42(7), 2021, 1479-1495, (ISSN: 0252- 2667) <https://doi.org/10.1080/02522667.2021.1903202> Non-HEC
40. Y.-P. Lv, **K. Shabbir**, Sundus S., F. Ali, J. Kafle, “Extragradient method for fixed points in CAT(0) spaces”, “Journal of Function Space”, 2021, Article ID 7808255, (IF. 1.807) (ISSN: 2314-8896), <https://doi.org/10.1155/2021/7808255>, <https://www.hindawi.com/journals/jfs/2021/7808255/>. X-Category
41. T.-M. Yu, A.A. Shahid, **K. Shabbir** and Y.-M. Li, “An iteration process for a general class of contractive-like operators, Convergence, stability and polynomiography”, “AIMS Mathematics”, 6(7), 2021, 6699–6714, (IF. 0.882) (ISSN:2473-6988), <https://doi.org/10.3934/math.2021393>, <http://www.aimspress.com/article/doi/10.3934/math.2021393> X-Category
42. D. A. Raza, M. Alrowaili, M. Javaid and **K. Shabbir**, “Computing Bounds of Fractional Metric Dimension of Metal Organic Graphs”, “Journal of Chemistry”, 2021, Article ID 5539569, (IF. 1.726) (ISSN: 2090-9063), <https://doi.org/10.1155/2021/5539569>, <https://www.hindawi.com/journals/jchem/2021/5539569/> X-Category
43. S. E. Farooq , **K. Shabbir**, S. Qaisar, F. Ahmad and O. A. Almatroud, “New Inequalities of Simpson’s type for differentiable functions via generalized convex function”, “Comptes Rendus Mathematique”, 359(2), 2021, 137-147, (IF. 0.68) (ISSN: 1778- 3569), <https://doi.org/10.5802/crmath.152>, https://comptes-rendus.academisciences.fr/mathematique/item/CRMATH_2021__359_2_137_0/ Non-HEC

In 2020

44. A. Naseem, **K. Shabbir**, “The radio number for wedge sum of graphs”, “Ars Combinatoria”, 151, 2020, 109-122, (IF. 0.265) (ISSN: 0381-7032), <http://bkocay.cs.umanitoba.ca/arscombinatoria/index.html>
W-Category
45. M. M. Ghalib, A.A. Zafar, M.B. Riaz, Z. Hammouch, **K. Shabbir**, “Analytical approach for the steady MHDconjugate viscous fluid flow in a porous medium with nonsingular fractional derivative”, “Physica A”, 2020, (IF. 2.50) (ISSN: 0378-4371), <https://doi.org/10.1016/j.physa.2019.123941>,
<https://www.sciencedirect.com/science/article/abs/pii/S0378437119321788?via> W-Category
46. M. Ghalib, A. A. Zafar, Z. Hammouch, M. B. Riaz, **K. Shabbir**, “Analytical results on the unsteady rotational flow of fractional-order non-Newtonian fluids with shear stress on the boundary”, “Discrete and Continuous Dynamical Systems Series S”, 13(3), 2020, 683-693, (IF. 0.976) (ISSN: 1937-1632),
<https://doi.org/10.3934/dcdss.2020037>, <https://www.aims sciences.org/article/doi/10.3934/dcdss.2020037>
W-Category
47. A.A. Zafar, **K. Shabbir**, A. Naseem, W. Ashraf, “MHD Natural Convection Boundary-layer Flow Over a Semi-Infinite Heated Plate with Arbitrary Inclination”, “Discrete and Continuous Dynamical Systems Series S”, 13(3), 2020, 1007-1015, (IF. 0.976) (ISSN: 1937-1632),
<https://www.aims sciences.org/article/doi/10.3934/dcdss.2020059> W-Category

In 2019

48. M. J. A. Junjua, **K. Shabbir**, A. Naseem, “Regularity of elimination ideals of certain family of graphs”, “Ars Combinatoria”, 2019, (IF. 0.265) (ISSN:0381-7032),
W-Category
49. A. Naseem, **K. Shabbir**, M. Ramzan, “Further results on radio number of wedge sum of graphs”, “Ars Combinatoria”, 2019, (IF. 0.265) (ISSN:0381-7032).
W-Category
50. J-H Tang, U. Ali, M. Javaid, **K. Shabbir**, “Zagreb Connection Indices of Subdivision and Semi-Total Point Operations on Graphs”, “Journal of Chemistry”, 2019, Article ID 9846913, (IF. 1.726) (ISSN: 2090-9063),
<https://www.hindawi.com/journals/jchem/2019/9846913/> W-Category
51. **K. Shabbir**, “M-Strings and (0,2) Sigma Model Anomaly”, “International Journal of Modern Physics A”, 34(10), 2019, 1-8, (IF. 1.7) (ISSN: 0217-751X). <https://doi.org/10.1142/S0217751X19500581>,
<https://www.worldscientific.com/doi/abs/10.1142/S0217751X19500581> W-Category
52. J.-B. Liu, S. Javed, M. Javiad, **K. Shabbir**, “Computing first general Zagreb index of operations on Graphs”, “IEEE Access”, 7(1), 2019, 47494-47502, (IF. 4.098) (ISSN: 2169-3536).
<https://ieeexplore.ieee.org/document/8688410> W-Category
53. N. Iftikhar, D. Baleanu, S.M. Husnine, **K. Shabbir**, “Magnetohydrodynamic mixed convection flow of Jeffery fluid with Thermophoresis”, “Soret and Dufour effects and convective condition, AIP Advances”, 9(3), 2019, 1-9, (IF. 1.653) (ISSN: 2158- 3226). <https://aip.scitation.org/doi/10.1063/1.5086534>
W-Category
54. **K. Shabbir**, U. Shahzad, “Engineering Adjoint Hypermultiplet”, European Physics Journal Plus”, 134(1), 2019, 1-9, (IF. 2.240) (ISSN: 2190-5444),
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In 2018– 2008

55. A. Naseem, **K. Shabbir**, H. Shaker, “Radio Number of Edge Joint Graphs”, “Ars Combinatoria”, 139, 2018, 337-351, (IF. 0.265) (ISSN: 0381-7032), <http://bkocay.cs.umanitoba.ca/arscombinatoria/index.html>
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56. I. Anwar, **K. Shabbir**, “A Note on: Quasi-Linear Quotients and Shellability of pure Simplicial Complexes”, “Communications in Algebra”, 46(2), 2017, 850-850, (IF. 0.481) (ISSN: 0092-7872), <https://doi.org/10.1080/00927872.2017.1327599> W-Category
57. **K. Shabbir**, “Compactified webs and domain wall partition functions”, “European Physics Journal C”, 77(4), 2017, 1-6, (IF. 5.172) (ISSN: 1434-6044), <https://doi.org/10.1140/epjc/s10052-017-4809-6>, https://epjc.epj.org/articles/epjc/abs/2017/04/10052_2017_Article_4809/10052_2017_Article_4809.html W-Category
58. A. Iqbal, **K. Shabbir**, “M-strings and transverse orbifold”, European Physics Journal C”, 76(11), 2016, 1-6, (IF. 5.172) (ISSN: 1434-6044), <https://doi.org/10.1140/epjc/s10052-016-4453-6>, <https://link.springer.com/article/10.1140/epjc/s10052-016-4453-6> W-Category
59. A. Iqbal, **K. Shabbir**, “Elliptic CY3folds and non- perturbative modular transformation”, European Physics Journal C”, 76(3), 2016, 1-6, (IF. 5.172) (ISSN: 1434-6044), [10.1140/epjc/s10052-016-4006-z](https://doi.org/10.1140/epjc/s10052-016-4006-z) W-Category
60. M. B. Riaz, M. A. Imran, **K. Shabbir**, “Analytic solutions of Oldyrod-B Fluid with fractional derivatives in a circular duct that applies a Constant Couple”, “Alexandria Engineering Journal”, 55, 2016, 3267-3275, (IF. 3.696) (ISSN:1110-0168) <https://doi.org/10.1016/j.aej.2016.07.032>, <https://www.sciencedirect.com/science/article/pii/S111001681630206X> W-Category
61. A. Iqbal, B. A. Qureshi, **K. Shabbir**, “ (q, t) identities and vertex operators”, “Modern Physics Letters A”, 31(11), 2016, 1-9, (IF. 1.338) (ISSN: 0217-7323), <https://doi.org/10.1142/S0217732316500656>, <https://www.worldscientific.com/doi/10.1142/S0217732316500656> W-Category
62. M. B. Riaz, M. A. Imran, **K. Shabbir**, “New Exact Solutions for the Flow of Generalized Maxwell fluid”, “J. Comput. Theor. Nanosci.”, 13(8), 2016, 5254-5257, (IF. 1.665) (ISSN: 1546-1955), <https://doi.org/10.1166/jctn.2016.5410>, <https://www.ingentaconnect.com/content/asp/jctn/2016/00000013/00000008/art00058> W-Category
63. A. Iqbal, A. Z. Khan, B. A. Qureshi, **K. Shabbir**, M. A. Shehper, “Topological field theory amplitudes for A_{N-1} fibration”, “Journal of High Energy in Physics”, 12, 2015, 1-22, (IF. 6.023) (ISSN: 1029-8479), [https://doi.org/10.1007/JHEP12\(2015\)017](https://doi.org/10.1007/JHEP12(2015)017), [https://link.springer.com/article/10.1007/JHEP12\(2015\)017](https://link.springer.com/article/10.1007/JHEP12(2015)017) W-Category
64. A. Iqbal, B. A. Qureshi, **K. Shabbir**, M. A. Shehper, “Brane Webs and Random Processes”, “International Journal of Modern Physics A”, 30(33), 2015, 1-12, (IF. 1.7) (ISSN: 0217-751X), <https://doi.org/10.1142/S0217751X15502024>, <https://www.worldscientific.com/doi/abs/10.1142/S0217751X15502024> W-Category
65. **K. Shabbir**, “Detection Of the Torsion Classes in the Brieskorn Modules Of Homogeneous Polynomials”, “Revista de la Unión Matemática Argentina”, 56(2), 2015, 85-94, (IF. 0.517), (ISSN: 0041-6932) W-Category
66. F. Aroca, M. Gomez-Morales, **K. Shabbir**, “Toric Modication of Newton non-degenerate Ideal”, “Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas”, 107, 2013, 221-239, (IF. 1.074) (ISSN: 1578-7303), <https://doi.org/10.1007/s13398-012-0100-8>, <https://link.springer.com/article/10.1007/s13398-012-0100-8> W-Category
67. A. Iqbal, C. Kozcaz, **K. Shabbir**, “Refined Topological Vertex, Cylindric Partitions and the U(1) Adjoint Theory”, “Nuclear Physics B”, 838(3), 2010, 422-457, (IF. 3.735) (ISSN: 0550-3213), [10.1016/j.nuclphysb.2010.06.010](https://doi.org/10.1016/j.nuclphysb.2010.06.010), <https://www.sciencedirect.com/science/article/abs/pii/S0550321310003263?via> W-Category

68. **K. Shabbir**, “On the Torsion of Brieskorn Modules of Homogeneous Polynomials”, “Rendiconti del Seminario Matematico della Università di Padova”, 120, 2008, 147- 156, 2008, (IF. 0.48) (ISSN: 0041-8994), W-Category

RESEARCH METRICS

Total No. of Citations: **688**

Total Impact Factor: **127.277**

W-Category: **42**

h-index: **15**

X-Category: **12**

Non-HEC: **04**

Y-Category: **07**

STUDENTS SUPERVISION

◇ Ph.D Students Supervision:

- **Mr. Khushdil Ahmad**, Enrolled since 2021
 - * **K. Ahmad, K. Shabbir**, F. Ali, M.-F. Bota, L. Guran, “An Analytical Approach to Convergence, Stability, and Data Dependence of Jungck-KF Iterative Scheme with Applications in Dynamical Market Equilibrium,” *Symmetry*, 17(6), 2025. <https://doi.org/10.3390/sym17060885>
 - * **K. Ahmad**, E. R. Dolores-Cuenca, **K. Shabbir**, “Shuffle series,” *Journal of Algebraic Combinatorics*, 61(2), 2025, 1–40, (ISSN: 1572-9192 / 0925-9899), (IF: 0.6). <https://doi.org/10.1007/s10801-025-01386-7>
 - * Chapter Published: **K. Shabbir, K. Ahmad**, L. Guran, “Existence and Computational Approximation of Fixed Points of Generalized Multivalued Mappings in Banach Space,” in *Recent Developments in Fixed-Point Theory*, Springer, Singapore, 2024. https://doi.org/10.1007/978-981-99-9546-2_13
 - * **K. Ahmad, K. Shabbir**, N. Nazar, “Convergence Analysis of Picard Thakur Hybrid Iterative Scheme for α -Nonexpansive Mappings in Uniformly Convex Banach Spaces,” *International Journal of Applied Mathematical Research*, 13(1), 2024, 34–48.
 - * M. Abbas, **K. Ahmad, K. Shabbir**, “Approximation of Fixed Point of Multivalued Mean Nonexpansive Mappings in CAT(0) spaces,” *Journal of Prime Research in Mathematics*, 19(2), 2023, 1–16, (ISSN: 1817-3462), (SCOPUS indexed Journal).
 - * L. Guran, **K. Shabbir, K. Ahmad**, M.-F. Bota, “Stability, Data Dependence, and Convergence Results with Computational Engendering of Fractals via Jungck–DK Iterative Scheme,” *Fractal Fract*, 7(6):418, 2023, (Impact factor 3.577), (ISSN: 2504-3110). <https://doi.org/10.3390/fractalfract7060418>
 - * L. Guran, **K. Ahmad, K. Shabbir**, M.-F. Bota, “Computational comparative analysis of fixed point approximations of generalized α -nonexpansive mappings in hyperbolic spaces,” *AIMS Mathematics*, 8(2), 2489–2507, 2023, (Impact Factor 2.739), (ISSN: 2473-6988). <https://doi.org/10.3934/math.2023129>
 - * J. Jia, **K. Shabbir, K. Ahmad**, N. A. Shah, T. Botmart, “Strong Convergence of a New Hybrid Iterative Scheme for Nonexpansive Mappings and Applications,” *Journal of Function Spaces*, vol. 2022, Article ID 4855173, 11 pages, 2022, (Impact Factor 1.807), (ISSN: 2314-8896). <https://doi.org/10.1155/2022/4855173>
- **Mr. Muhammad Junaid Ahmad Junjua**, Enrolled Since 2016
 - * **M.J.A. Junjua, K. Shabbir**, A. Naseem, “Combinatorial Bounds of the Regularity of Elimination Ideals,” *Ars Combinatoria*, 2023, 25–34. <https://dx.doi.org/10.61091/ars156-03>
 - * Z. Lv, **M.J.A. Junjua**, M.T. Tahir, **K. Shabbir**, “Certain Bounds of Regularity of Elimination Ideals on Operations of Graphs,” *Mathematical Problems in Engineering*, 2021, Article ID 3697430, 8 pages, (Impact Factor 1.305), (ISSN: 1024-123X). <https://doi.org/10.1155/2021/3697430>

* **M.J.A. Junjua, K. Shabbir**, A. Naseem, “Regularity of elimination ideals of certain family of graphs,” *Ars Combinatoria*, May 12, 2019, (Impact Factor 0.265), (ISSN: 0381-7032).

◇ **Ph.D Graduated under supervision:**

- **Mr. Waqar Ul Hassan**, Heat and Mass transfer Models for Non-Newtonian Fluids in Cylindrical Domains with Fractional Derivatives, 2020–2025
- **Mr. Javed Iqbal**, Convergence and Stability Analysis for Some Fractional Order Nonlinear Models, 2019–2024

◇ **M.Phil Graduated under Supervision:**

- Bushra Waris, “Numerical Investigation of Fractional Order Differential Equations using Legendre Neural Networks,” 2023–2025
- Ali Arsalan, “Development of Lagrange Interpolating Polynomial between Physiochemical Properties and Topological Indices,” 2021–2025
- Irshad Ahmad, “Optimized Iterative Approach to Fixed Points of Generalized Nonexpansive Operators with Numerical Applications,” 2021–2025
- Beenish Zafar, “Exploring the Combinatorial Properties of Posets and Integer Partitions,” 2022–2024
- Khadija Ahsan, “Extra Gradient Techniques for Solving Some Problems in Fixed Point Theory,” 2022–2024
- Mubashar Hussain, “Solving Linear Delay Differential Equations Using Operational Matrices with Extreme Learning Machine Algorithm,” 2022–2024
- Inaam-Ur-Rehman, “Exploring Fractional Differential Equations through Orthogonal Neural networks,” 2022–2024
- Muhammad Tayyab Shafiq, “On NH -Number of Neighborhood Complexes,” 2020–2022
- Muhammad Afzaal, “On $Sarw$ - Compactness, $Sarw$ -Connectedness and Separation Axioms in Topological Spaces,” 2021–2023
- Ramzan Afzal, “On Rogers-Ramanujan Identities and Their Properties,” 2021–2023
- Faraz Ali, “On the Stability and Convergence for the Jungck-Type Iterative Schemes,” 2021–2023
- Rizwan Ali, “Milnor Fibrations and Regularity Conditions for Real Analytic Mappings,” 2021–2023
- M. Junaid Akram, “Algebraic Integers of Pure Quintic Extensions,” 2021–2023
- Hina Saeed, “Radical Ideal Based Zero Divisor Graph of a Commutative Ring,” 2021–2023
- Zaheer Hussain, “Computation for Lucky Number of Some Families of Planar Graphs,” 2021–2023
- Ahmad Raza, “Computing Total Absolute Difference Edge Irregularity Strength of Some Families of Graphs,” 2021–2023
- Nazia Nazar, “Approximating Fixed Points of Generalized α -Nonexpansive Mappings in Uniformly Convex Banach Spaces,” 2020–2022
- Amir Rasheed, “Characteristics of arithmetic functions and their graphs,” 2020–2021

- Aftab Zafar, “Hermite-Hadamard and Jensen-type inequalities for interval valued generalized non-convex functions,” 2020–2021
- Waqar Afzal, “Hermite-Hadamard and Jensen-type inequalities for generalized interval valued (h_1, h_2) Godunova-Levin functions,” 2020–2021
- Amad Adrees, “Jensen, Hermite-Hadamard and Ostrowski type inequalities for generalized class of stochastic convex functions,” 2020–2021
- Muhammad Tajammal Tahir, “Algebraic characterization of elimination ideals associated to graphs,” 2020–2021
- Muhammad Jahangir Jalal, “On m-polar (a,b)-fuzzy positive implicative ideals in BCK-algebras,” 2019–2020
- Ahsan Iqbal, “Novel concepts of doubt bipolar fuzzy fantastic ideals in BN-algebra,” 2019–2020
- Wardah, “Regularity Bounds of Elimination Ideals,” 2019–2020
- Shan e Farooq, “Simpson’s and Katugampola Fractional Integral Inequalities and their Applications,” 2019–2020
- Warda Shoukat, “Comparison of Analytical Solution of a Maxwell Fluid with Slip Effects in view of the Caputo and Atangana Baleno Derivatives,” (Internal Examiner), 2019
- Sania Nasir, “Hydro-magnetic free convection flow of second grade fluid over an inclined infinite plate,” (Internal Examiner), 2019
- Muhammad Qasim, “Schultz Invariants of Linear Pentachains,” 2019
- Hassan Mabroor, “On Characterization of f- ideals,” 2017
- Muhammad Rehman, “On Grobner Bases of Balanced Polyominoes, ideals,” 2017
- Eman Haider, “On the chromaticity of Ladders,” 2015
- Shumaila Naseer, “Face Anti-magic Labeling of Graphs,” 2014
- Madeeha Javed, “Topological Invariants of Fiber of Mixed polynomial,” 2013
- Sadaf Naveed, “Some Estimates of Hardy Type inequalities,” 2009

Total number of MPhil students supervised: **35**

◇ **BSc (Hons) Graduated under Supervision:**

- Zunaira Sayed, “Enhancing Cryptographic Keys Using Tropical Algebra,” 2025
- Momina Babar, “Graph theoretical Analysis of Sudoku Structure, Properties and Application,” 2025
- Tooba Zahoor, “Syzygy Conditions over a Polynomial Ring,” 2024
- Yashfa Javed, “Computation of Gröbner Basis for Ideals over Finite Rings,” 2024
- Ayesha Saleem, “On Some Combinatorial Properties of Matroids,” 2023
- Aleeha Ijaz, “Some properties of Bessel functions,” 2021

- Hamzah Naseer, “A Review of Fejér–Hadamard Inequality for Harmonically Convex Functions,” 2021
- Junaid Akram, “A Review of Hermite-Hadamard and Jensen-type inequalities for Non-Convex Functions,” 2021
- Saira Bano, “Some properties of η -convex stochastic processes,” 2021
- Rabbia Ashfaq, “Cryptography and network security,” 2020
- Fareeha Yaqub, “Some inequalities for s -convex functions,” 2020
- Zuha Idrees, “Hermite-Hadamard type inequalities for h -convex stochastic processes,” 2020
- Hafiza Fasiha Faiz, “Some topics in tropical algebra,” 2019
- Serosh Jameel, “A review of topological groups,” 2019
- Bisma Ijaz, “Graph Theory in Sudoku,” 2019
- Ghulam Mustafa, “On commutative rings graded by groups,” 2018
- Hamza Saeed, “On reconstruction of extremal trees,” 2018
- M. Adeel Ashraf, “Factorability in quadratic number fields,” 2018
- Nusrat Mehdi, “Some Facts about Power Graph,” 2017
- Eram Shahzadi, “Coloring and Chromatic Polynomial of Cycle Type Graphs,” 2017
- Arooj Fatima, “On Rainbow Coloring and Rainbow Connection Number of Some Trees,” 2017
- Hafiz Abdul Rehman, “Computing the Metric Dimension of Wheel-like Graphs,” 2017
- Mehwish Mubeen, “Introduction to Finite Element Analysis,” 2016
- Hira Rashid, “On Topological Uniform Structures,” 2016
- Sana Latif, “Introduction to Interval Analysis,” 2016
- Noor Fatima, “Continued Fractions and Euclidean Algorithm,” 2016
- Zunaira Tahir, “Orthogonal Polynomials and their Applications,” 2016
- Kainat Akbar, “Non-linear Diophantine Equations,” 2015
- Fizza Miraj, “Multiplicative Functions and Mobius Inversion Formula,” 2015
- Maryam Yousaf, “On Some Fixed Point Theorem,” 2014
- Fatima Gul, “Eulerian and Hamiltonian Graphs,” 2014
- Aliya Noreen, “Antimagic Labeling of Graphs,” 2014
- Sabiha Tariq, “Mathematical Models for Inventory Management,” 2014
- Malik Qudratullah, “Tropical Meromorphic Functions,” 2013
- Maham Zahra, “Ramsey Number of Graph,” 2013
- Madiha Irfan, “Fundamental Theorem of Tropical Algebra,” 2013

Total number of undergraduate students supervised: **36**

ADMINISTRATIVE AND ACADEMIC SERVICES

- **Member** of Board of Faculty, Faculty of Computing and Numerical Sciences, Government College Women University Faisalabad (GCWUF). December 29, 2025
- **Member** of the Academic Council (Board of Faculty), Government College Women University Faisalabad (GCWUF). October 22, 2025
- **Member** of "Grievance Redressal Committee (GRC)" to evaluate and redress the grievances of students pertaining to applications submitted under the Chief Minister's Honhaar Undergraduate Scholarship Program. October 17, 2025
- **Member** of the committee as per instructions of HEC to prepare/conduct the test at par with GRE(General) & GRE(Subject) for Admission in MPhil/Ph.D. or equivalent program at Institute of Mathematics, University of the Punjab, Lahore Pakistan. July 21, 2025
- **External Examiner:** for the evaluation of MPhil Thesis of Ms. Ayesha Saleem student of the University of Punjab under the title "Laplacian Spectral Invariants of Edge Deleted Graphs". June 26, 2025
- **External Examiner:** for the evaluation of MPhil Thesis of Mr. Bilal Ahmad student of the University of Punjab under the title "Lie Triple Derivations of Three Parameter Generalized Quaternion Algebras". June 26, 2025
- **Stakeholder and Collaboration Partner** at Indonesian Accreditation Agency for Higher Education in Natural and Formal Sciences (LAMSAMA) for the Mathematics Study Program at Faculty of Sciences and Technology, Universitas Islam Negeri Walisongo Semarang, Indonesia. June 25, 2025
- **Member** for interview session with accreditation assessors as part of the Field Assessment agenda conducted by the Independent Accreditation Institute for Natural and Formal Sciences (LAMSAMA) for the Mathematics Study Program, Faculty of Science and Technology, UIN Walisongo Semarang, Indonesia. June 22, 2025
- **Member** of Committee to prepare proposal for rationalization of Space at Main Campus & New Campus (Located at Kala Shah Kaku). May 22, 2025
- **Member** of Committee to rationalize the appointments of visiting faculty in the light of the courses offered by concerned departments and the workload of regular faculty. March 13, 2025
- **Member** of Committee of Courses (COC) at Allama Iqbal Open University, Islamabad Pakistan February 26, 2025
- **Convener** of Financial Aid Committee, GC University, Lahore. January 10, 2025
- **Member:** of Asian Council of Science Editors. January - December 2025
- **Member** of the GC University Lahore Discipline Committee under section 12(1) of 1st Statutes of GC University. December 19, 2024
- **External Examiner:** for the evaluation of Ph.D Thesis of Ms. Asmat Batool under the titled "Existing and Approximation of Solution of Fractional Boundary Value Problems" at Department of Mathematics, University of the Punjab, Lahore. November 01, 2024
- **Convener** of HEC National Curriculum Review Committee for Mathematics degree programs. October 24-25, 2025

- **Member:** of the Grievance Redressal Committee (GRC) for Honhaar Scholarship Program, GC University Lahore. October 25, 2024
- **Member** of student Grievance Committee to look at the request of Bs (Hons) Statistics Student (Mr. Muhammad Zubair, Roll # 1304-BH-(E)-Stat-20). October 21, 2024
- **Convener** of the committee to probe the matter regarding the counterfeit signature of Resident Auditor in the documentation of ASSMS. October 16, 2024
- **Convener** of the selection Committee to make recommendations for the appointments of GC University employees for BS-01 to BS-16 (or equivalent) under the provision of 2nd Statutes of the GCU ordinance 2002. October 10, 2024
- **Member:** of University Grievance Committee to compile the PPRA profile, GC University, Lahore. October 10, 2024
- **Convener** of the Committee to probe the matter of Ms. Nimra Zafar candidate of MPhil admission in English, GC University, Lahore. October 03, 2024
- **Convener** of the “Technical Committee” under the requirement of PPRA to look after all matters related to the GC University Lahore. September 30, 2024
- **External Examiner:** for the evaluation of M.Phil. Thesis by Mr. Muhammad Arslan Aslam under the titled “Theoretical study of MHD Jeffery fluid via singular and non-singular kernels” at Department of Mathematics, Riphah International University, Lahore. September 30, 2024
- **Convener** of the re-constituted GCU employee loan Committee category A (BPS-16 & Above), GC University, Lahore. September 13, 2024
- **Member** to advise in the preparation of Model Class Rooms, GC University, Lahore. September 12, 2024
- **External Examiner:** for the evaluation of M.Phil. Thesis by Mr. Muhammad Azam under the titled “Some Mathematical Aspects of Knotted Polymers” at Department of Mathematics, University of Central Punjab, Lahore. September 09, 2024
- **External Examiner:** for the evaluation of M.Phil. Thesis by Mr. Muhammad Ali Hassan under the titled “Some Combinatorial Aspects of Knotted Molecules” at Department of Mathematics, University of Central Punjab, Lahore. September 09, 2024
- **Member** of Advisory Board of the **Scientific Inquiry and Review (SIR)** Journal.
- **External Examiner:** for the evaluation of M.Phil. Thesis at Department of Mathematics, University of Sialkot. July 24, 2024
 - * Ms. Farah Siddique, Entitled “Study on Resistance Distance based Graph Invariants of Finite Networks”.
 - * Ms. Zunaira Saeed, Entitled “Study of Entropy-Based Invariants in two types of Chain Hex Derived Network”.
 - * Ms. Mehreen Zahra, Entitled “Computational study of Resistance Distance and Kirchhoff Index of Connected Triangular Chain Graph”.
 - * Ms. Maryam Munir, Entitled “Resistance Distance and Kirchhoff Index of Double Nested Chain Graph”.
 - * Ms. Muqadas Shahzad, Entitled “Study of Maximum Upper and Minimum Lower Bounds of Connected Graphs”.
- **External Examiner:** for the evaluation of M.Phil. Thesis by Ms. Kinza Abdul Ghaffar under the titled: “Generalized Anti-Derivations of Generalized Quaternions Algebras” at Department of Mathematics, University of the Punjab, Lahore. July 17, 2024

- **Member** of DTRC for the Department of Computer Science, GC University, Lahore. June 10, 2024
- **Member** in the committee of Affiliated Colleges GC University, Lahore. June 07, 2024
- Nominee as Internal Member in the committee of the self Post Graduate program review Panel 2023-2024. May 27, 2024
- Judge in 10th Open house activity at Namal University, Mainwali. May 24-25, 2024
- Member of 46th Meeting of Board of Advanced Studies and Research (BASAR) at University of Management Technology (UMT), Lahore as External Expert. May 16, 2024
- External Examiner of Mr. Ahmad Bilal (Ph.D Student) Titled: “Bounds for The Spectral Radii and Energies of Graph Operations”, Department of Mathematics, University of the Punjab, Lahore. May 13, 2024
- External Evaluation for Dr. Nazish Shahid for promotion to full Professor at “Forman Christian College (A Chartered University, FCCU)”. April 3, 2024
- Member for the 45th meeting of BASAR, University of Management & Technology, Lahore. March 8, 2024
- Member of Departmental Tenure Review Committee, Department of Mathematics, Government College University, Faisalabad. February 27, 2024
- Member of the Academic Council, University of Narowal. January 29, 2024
- Subject Expert for the Post of Professor at University of Central Punjab, Lahore. January 5, 2024
- Controller of Examinations, Department of Mathematics, Government College University Lahore. 2012 – Present
- Incharge MPhil Program, Government College University Lahore. 2018 – Present
- Principal Investigator & Director Research HEC project 7359, National Research Program for Universities (NRPU-HEC). 2019 – 2021
- **Member of Departmental Tenured Review Committee**
 - *. Government College University, Lahore, Pakistan
 - *. Abdus Salam School of Mathematical Sciences, Lahore, Pakistan
 - *. Government College Women University, Sialkot, Pakistan
 - *. Fatima Jinnah Women University, Rawalpindi, Pakistan
 - *. Government College University, Faisalabad, Pakistan
- **Expert & Member, Selection Board**
 - *. University of Gujrat, (Main & Narowal Campus)
 - *. University of Narowal, Narowal, Pakistan
 - *. Government College Women University, Sialkot, Pakistan
 - *. University of the Punjab, Lahore, Pakistan
 - *. University of Okara, Okara, Pakistan
 - *. University of Education, Lahore, Pakistan
 - *. University of Agriculture, Faisalabad, Pakistan
 - *. University of Management and Technology, Lahore, Pakistan

- **Member, Board of Studies and Faculty**

- *. Abdus Salam School of Mathematical Sciences, Lahore, Pakistan
- *. Government College University, Lahore, Pakistan
- *. Government College University, Faisalabad, Pakistan
- *. Lahore College for Women University, Lahore, Pakistan
- *. University of Central Punjab, Lahore, Pakistan
- *. University of Mianwali, Mianwali, Pakistan
- *. University of Education, Lahore, Pakistan
- *. University of the Punjab, Lahore, Pakistan
- *. Allama Iqbal Open University, Lahore, Pakistan

- **External Examiner**

- *. University of the Punjab (Lahore, Rawalpindi, Gujranwala & Quaid-e-Azam Campus)
- *. Abdus Salam School of Mathematical Sciences, Lahore, Pakistan
- *. COMSATS University Islamabad, Lahore campus, Pakistan
- *. University of Management and Technology, Lahore, Pakistan
- *. University of Engineering and Technology, Lahore, Pakistan
- *. University of Gujrat, Gujrat, Pakistan
- *. University of Sargodha, Sargodha, Pakistan
- *. University of Education, Lahore, Pakistan

- **Judge in National and International Mathematical Contests**

- *. Judge for the 2022 International Science Olympiad: The International Walisongo Science Competition (IWSC) organized by the Faculty of Science and Technology, Universitas Islam Negeri Walisongo Semarang, Semarang-Indonesia
- *. Judge in the poster competition of the Department of Mathematics on June 21st, 2022 at University of Central Punjab (UCP), Lahore-Pakistan

CONFERENCES AND WORKSHOPS

- **Keynote Speaker:** International Ibrahim Hakki Education and Science Congress, Siirt University, Turkiye. May 7-9, 2026
- **Member of International Organizing Committee:** The Second Sharjah International Conference on Advanced Material (SICAM), University of Sharjah, UAE. April 8-9, 2026
- **Conference Convener:** Abdus Salam International Conference on Mathematical Sciences & Emerging Technologies (AS-ICMSET 2025), Abdus Salam School of Mathematical Sciences (ASSMS), GC University Lahore, Pakistan. November 24–26, 2025
- **Workshop Convener:** 4-Day International School on New Trends in Computational Algebraic Geometry and Its Applications (NTICAGAIA-2025), Abdus Salam School of Mathematical Sciences (ASSMS), Government College University Lahore. November 18–21, 2025
- **Member of Scientific Advisory Committee:** 4th International Conference On Mathematical Empowerment and Future Trends, Department of Mathematics, Government College University, Faisalabad, Pakistan. November 20-22, 2025
- **Keynote Speaker:** 4th International Conference of Sciences “Revamped Scientific Outlook of 21st Century, 2025”, Rawalpindi Women University, Rawalpindi, Pakistan. November 12, 2025

- **Invitation as Speaker:** 5th Edition of the International Conference Modern Trends in Business, Hospitality, and Tourism on Innovation, Sustainability, and Growth in a VUCA Environment. Topic: Mathematical Modeling of Tourism Development: An Application to Southeastern European Tourism. May 24-25, 2025
- **Member of National Scientific Committee:** 7th International Conference On Pure and Applied Mathematics (ICPAM-2025), Department of Mathematics, University of Sargodha. April 17-18, 2025
- **Invitation as Speaker:** 7th International Conference On Pure and Applied Mathematics (ICPAM-2025), Department of Mathematics, University of Sargodha. April 17-18, 2025
- **Keynote Speaker:** 3rd International Conference on Recent Advances in Mathematics (CORAM 2025), Department of Mathematics, Division of Science and Technology, University of Education, Lahore, Pakistan. April 16-17, 2025
- **Member of Advisory Committee:** 3rd International Conference on Recent Advances in Mathematics (CORAM 2025), Department of Mathematics, Division of Science and Technology, University of Education, Lahore, Pakistan. April 16-17, 2025
- **Invitation as Keynote Speaker:** 8th UMT International Conference on Pure and Applied Mathematics (8th UICPAM-2025). April 14-16, 2025
- **Invitation as Main Speaker:** 1st National Conference on Mathematics: Quality Education for Sustainability (NCM-2025), Department of Mathematics, Baba Guru Nanak University, Nankana Sahib, Pakistan. April 10-11, 2025
- **Invitation as Keynote Speaker:** 2nd International Conference on Mathematics for Sustainable Future (ICMSF-2024), The Women University, Multan, Pakistan. December 18-19, 2024
- **Member of Advisory Committee:** 2nd International Conference on Mathematics for Sustainable Future (ICMSF-2024), The Women University, Multan, Pakistan. December 18-19, 2024
- **Invitation as Keynote Speaker:** 3rd International Conference on Recent Developments in Pure and Applied Mathematics, Department of Mathematics, GC University Faisalabad & GCWU Faisalabad. December 18-19, 2024
- **Invitation as Main Speaker:** International Conference on Mathematics and Mathematics Education, Indonesian Mathematical Society (IndoMS) Central Region. December 5–6, 2024
- **Participation:** Symposium Beyond Boundaries: Interdisciplinary Perspectives, Department of Mathematics, GC University, Lahore, Pakistan. November 12, 2024
- **Invited Speaker:** Hybrid Seminar for students, University of Education, Lahore, Pakistan. 2024
- **Invited Speaker:** Advancement in Mathematics, Department of Mathematics, GC University, Faisalabad. May 27, 2024
- **Participation:** CIMPA Research School on Algebra and Algebraic Geometry for Applications. February 26 - March 8, 2024
- **Paper Presentation:** *The algebra of Boole: Unleashing the Power of Logic and Cryptography*, 2nd International Conference on Recent Advances in Mathematics (CORAM 2023), December 4-5, 2023.
- **Member of Advisory Committee:** 2nd International Conference on Recent Advances in Mathematics (CORAM 2023), December 4-5, 2023

- **Member of National Scientific Advisory Committee:** 7th UMT International Conference on Pure and Applied Mathematics (7th UICPAM 2023)
- **Invited Speaker:** 6th International Conference on Pure and Applied Mathematics (ICPAM), Department of Mathematics, University of Sargodha, Pakistan. December 4-5, 2023
- **Editor/Reviewer:** 10th International Congress on Industrial and Applied Mathematics (ICIAM 2023 Tokyo), Waseda University, Tokyo, Japan, August 20-25, 2023. <https://iciam2023.org>
- **Invited Speaker:** 9th SEAMS-UGM 2023 International Conference Mathematics and Its Applications, Summer School: "Number Theory and Cryptography," Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia. July 10-24, 2023
- **Invited Resource Person:** ERASMUS+ International Staff Week, "Vasile Goldis" Western University of Arad, Romania, 2023
- **Invited Speaker:** Academic Days of Arad XXXIIIrd Edition, "Vasile Goldis" Western University of Arad, Romania, May 23-27, 2023
- **Invited Speaker:** International Workshop on Computer Security, Department of Economic and Technical Sciences, "Vasile Goldis" Western University of Arad, Romania, May 18, 2023
- **Resource Person from GC University Lahore:** 2nd Maths Circle Activity, FG Public School RA Bazar, Lahore, Pakistan, Feb 03, 2023
- **Invited Speaker:** 1st National Conference on Emerging Horizon in Science and Technology (NCHEST 2022), University of Central Punjab, Lahore, Pakistan, December 26-27, 2022
- **Resource Person from GC University Lahore:** Maths Circle Activity at Abid Majeed PS (B) RA Lahore, December 12, 2022
- **Research Group Leader-Topology:** Algebra and Geometry (TAG), Seminar Series, Department of Mathematics, GC University Lahore, Pakistan, December 2022
- **Main Speaker:** Seminar on Topology of Shapes, Govt. Islamia Graduate College for Women, Cooper Road, Lahore, Pakistan, December 17, 2022
- **Invited Speaker:** 3rd National Conference on Mathematics and Applications, Department of Mathematics, University of Sargodha, Pakistan, December 1-2, 2022. <https://su.edu.pk/news/3rd-National-Conference-on-Mathematic-and-Applications>
- **Guest Speaker:** Algebraic Geometry Seminar Series, KBK ALJABAR, UIN Walisongo Semarang, November 28, 2022, Indonesia (Zoom). <http://uinws.link/kbkaljabar>
- **Invited Speaker:** Two-Days International Workshop on Recent Developments in Pure and Applied Mathematics, STC Hall, Department of Mathematics, GC University Faisalabad, October 09-10, 2022
- **Member of Scientific Advisory Committee:** 1st International Conference on Mathematics for a Sustainable Future (ICMSF), Department of Mathematics, The Women University Multan, December 12-13, 2022. <https://main.wum.edu.pk/icmfs/>
- **Invited as Judge:** Final stage of International Science Olympiad: The International Walisongo Science Competition (IWSC), Universitas Islam Negeri Walisongo Semarang, Indonesia, June 28 - July 24, 2022. <https://iwsc.walisongo.ac.id/>

- **Invited as Judge:** Poster competition of the Department of Mathematics, University of Central Punjab (UCP), Lahore, June 21, 2022
- **Attended Workshop:** Experiential Workshop on Evolving Math Circles Outreach in Pakistan, LUMS, June 23-24, 2022
- **Member of Scientific Advisory Committee:** Academia International Conference Mathematics and Mathematics Education (AICMME-2021), Siirt University, Turkey, December 1-3, 2021.
https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwiFkcS6uZL7AhXSQPEDHQ_WA7IQFnoECBIQAQ&url=https%3A%2F%2Fmeabd.ssiirt.edu.tr%2Fdosya%2Faktivite%2Fbildiri-ozetleri-kitapcigi-siirt-202262214147533.pdf&usg=AOvVaw0thqdlOgPrR_YHhPfsNGRg
- **Keynote Speaker:** 5th International Conference on Pure and Applied Mathematics (ICPAM-2020), Department of Mathematics, University of Sargodha, Pakistan, February 21-23, 2020.
<http://icpam.uos.edu.pk/#speakers>
- **Member of Organizing Committee:** 2018 International Conference on Mathematics and its Applications, Government College University, Lahore, Pakistan, November 13-15, 2018
- **International Participation:** 6th International Conference on 21st Century Mathematics, Abdus Salam School of Mathematical Sciences, GC University Lahore, March 6-9, 2013
- **International Participation:** 50 years of Topology, Geometry and Physics, Cinvestav, Mexico City, 2011
- **International Participation:** Algebraic Methods in Geometry: Commutative and Homological Algebra in Foliations and Singularities (School and Conference in honour of Xavier Gómez-Mont, CIMAT, Guanajuato, México), September 2, 2011
- **Seminar Talk:** Milnor Algebras & Brieskorn Modules of Homogeneous Polynomials, Colloquium, Instituto de Matemáticas (Unidad Cuernavaca), Universidad Nacional Autónoma de México, Mexico, May 2011
- **International Participation:** Advanced School and Conference on Hodge Theory and Related Topics, ICTP, Trieste, Italy, 2010
- **Invited Talk:** Some Algebraic and Geometric Invariants, University of Vienna, Austria, 2009
- **Invited Talk:** Guass-Manin Connections & Torsion Class of Brieskorn Modules, Johannes Kepler Universität, Linz, Austria, 2009
- **International Participation:** 4th International Conference on 21st Century Mathematics, Abdus Salam School of Mathematical Sciences, GC University Lahore, Pakistan, March 4-8, 2009
- **International Participation:** Advanced School and Conference on Knot Theory and its Application, ICTP, Trieste, Italy, 2009
- **Paper Presentation:** LUMS 2nd International Conference on Mathematics and its Applications in Information Technology, Lahore University of Management Sciences, Pakistan, March 2008
- **Paper Presentation:** 1st Mathematics Conference in CASPAM, Bahauddin Zakariya University, Multan, Pakistan, July 2007
- **International Participation and Member of Organizing Committee:** 3rd International Conference on 21st Century Mathematics, Abdus Salam School of Mathematical Sciences, GC University Lahore, Pakistan, March 2007

- **International Participation:** 8th International Pure Mathematics Conference on Algebra, Analysis & Geometry, Quaid-i-Azam University, Preston University and the Pakistan Mathematical Society, Islamabad, Pakistan, 2007
- **International Participation:** CIMPA School on Arrangements, Local Systems and Singularity Theory, Istanbul, Turkey, 2007
- **International Participation:** CIMPA School on New Trends in Singularity Theory, Madrid, Spain, 2006
- **National Participation:** Communication Skills Workshop, School of Mathematical Sciences, Lahore, Pakistan, December 21, 2006
- **Participation:** Screening Test of 2nd National Science Talents Contest (NSCT-2), STEM Career Projects, HEC and Pakistan Atomic Energy Commission, Pakistan, February 7, 2005
- **International Participation and Member of Organizing Committee:** 2nd World Conference on 21st Century Mathematics, Abdus Salam School of Mathematical Sciences, GC University, Lahore, Pakistan, 2005

INTERNATIONAL RESEARCH GRANTS & CONTRACTS

- **20th IMU General Assembly Delegate:** Representing Pakistan at the International Mathematical Union's quadrennial assembly in New York City, USA, July 2026. Awarded a full financial grant for travel and accommodation by the IMU and the Simons Foundation.
- **Invited Speaker, International İbrahim Hakkı Congress on Education and Science:** Invited to deliver a scientific talk and lead academic seminars at the Faculty of Education, Siirt University, Turkey, May 2026. Awarded full accommodation and local hospitality to facilitate research collaborations and meetings with faculty and graduate students.
- **Grantee, IMU-CDC Volunteer Lecturer Program (2026):** Awarded a 2,700 USD grant (Identifier: 2605) by the Commission for Developing Countries (CDC) of the International Mathematical Union (IMU) for the "Shabbir/Toledo/2026/VLP" project.
- **Grantee, IMU-CDC Volunteer Lecturer Program (2026):** Awarded a 2,700 USD grant (Identifier: 2600) by the Commission for Developing Countries (CDC) of the International Mathematical Union (IMU) for the "Shabbir/Lopez/2026" initiative.
- **IMU Membership:** Successfully negotiated the resumption of Pakistan's membership in the International Mathematical Union (IMU), 2025.
- **Grantee, IMU-CDC Volunteer Lecturer Program (2025):** Awarded a **2,700 USD grant** (Identifier: 2046) by the Commission for Developing Countries (CDC) of the International Mathematical Union (IMU) for the "Anderson, Arboleda/2025" initiative.
- **Grantee, IMU-CDC Volunteer Lecturer Program (2025):** Awarded a 2,700 USD grant (Identifier: 2023) by the Commission for Developing Countries (CDC) of the International Mathematical Union (IMU) for the "Cristhian Garay López/2025/VLP" project. Successfully completed and submitted the final report for the international lecturing initiative, which focused on advancing mathematical education through cross-border collaboration.
- **HEC Conference Grant:** Awarded PKR 500,000 as Convener for the 3-day International Conference at ASSMS, GC University Lahore, 2025.

- **IMU–CDC Volunteer Lecturer Grant (Award 2):** Awarded 2,500 USD by IMU-CDC to support international guest faculty engagement, 2025.
- **Strategic MOUs:** Facilitated formal Memorandums of Understanding with Siirt University and Galatasaray University, Turkey, 2025.
- **Universitas Gadjah Mada (UGM), Indonesia:** Online research collaboration and visit, 2023.
- **“Vasile Goldis” Western University of Arad, Romania:** Research visit with travel and accommodation grant from research project, 2023.
- **KBK ALJABAR, UIN WALOSONGO SEMARANG, Indonesia:** Online research collaboration, 2023.
- **NRPU-HEC Research Grant:** Awarded PKR 2.14 million as sole Principal Investigator, 2019–2021.
- **ICTP Conference/School Grant:** Advanced School and Workshop on Geometry of Discrete Actions, Trieste, Italy, August 24–September 4, 2015.
- **Postdoctoral Fellowship 2:** Offered at ICMC, Universidade de São Paulo, Brazil, August 12, 2015.
- **CIMPA School Travel Grant:** 1,500 USD for Istanbul, Turkey, by Clay Institute of Mathematics USA, 2014.
- **CIMPA School Grants:**
 - Singularities in Geometry, Topology, Foliations and Dynamics, CIMPA, Instituto de Matemáticas, UNAM (Unidad Cuernavaca), Mexico, November 24–December 19, 2014.
 - Algebraic Geometry and Number Theory, Istanbul, Turkey, 2014.
 - Geometry and Topology of Singular Varieties: Theory and Applications, Hanoi, Vietnam, December 2–14, 2013.
 - Arrangements, Local Systems and Singularity Theory, Istanbul, Turkey, 2007.
 - Configuration Spaces and Applications, Lahore, Pakistan, February 12–18, 2007.
 - New Trends in Singularity Theory, Madrid, Spain, 2006.
- **Postdoctoral Scholarship by TWAS:** 3,000 USD, 2011–2012.
- **Postdoctoral Scholarship by CONACYT, Mexico:** 23,000 USD, 2011–2012.
- **Research Grants / Academic Visits:**
 - UNAM, Mexico, Science Faculty, Mount Royal University, Calgary, Canada, 2012.
 - UNAM, Mexico, Academic visit to University of Saskatchewan, Canada, 2,000 USD, 2012.
 - CIMAT, Mexico, Conference/School, 2011.
- **Postdoctoral Fellowship 1:** Universidad Nacional Autónoma de México (UNAM), Mexico, March 2011–2012. Advisor: Prof. Dr. Jose Seade.
- **ICTP Conference/School Grants:**

- Summer School & Conference on Hodge Theory and Related Topics, Trieste, Italy, June 14–July 2, 2010.
- Advanced School and Conference on Knot Theory and its Applications, Trieste, Italy, May 11–29, 2009.

- **Invited Lecture Grants:**

- Guass-Manin Connections & Torsion Class of Brieskorn Modules, Johannes Kepler Universität, Linz, Austria, 2009.
- Some Algebraic and Geometric Invariants, University of Vienna, Austria, 2009.

- **Doctoral Scholarship:** HEC and Punjab Government, 2004–2008.

ADVISORY SERVICES IN NATIONAL AND INTERNATIONAL EVENTS

- **Coordinator:** Collaboration with Department of Mathematics, Government College University Lahore and Indonesian Mathematical Society (IndoMS) Central Region for organizing an international conference on Mathematics and Mathematics Education. Indonesia, December 5-6, 2024
- **Membership:** Asian Council of Science Editors (ACSE), since November 19, 2024
- **Resource Person:** Erasmus+ programme, under MOU between Government College University Lahore and Universitatea de Vest “Vasile Goldiş”. Romania, 2023
- **STEAM Resource Person:** Math Circle Activities from Government College University Lahore. Pakistan, 2022
- **Member of Scientific Advisory Committee:** 1st International Conference on Mathematics for a Sustainable Future (ICMSF), Two-Day Conference, Department of Mathematics, The Women University Multan. Multan, Pakistan, 2022
- **Member of Scientific Advisory Committee:** Academia International Conference on Mathematics and Mathematics Education, New Trends in Mathematics and Mathematics Education (AICMME-2021), Siirt University. Siirt, Turkey, 2021
- **Conference Coordinator:** International Conference on Mathematics and its Applications, Government College University Lahore. Lahore, Pakistan, 2017–2018

HONORS AND AWARDS

- **Invitation:** Open House and Career Fair at Namal University, Mianwali. May 24–25, 2024
- **Diploma of Recognition:** For Research Publication, Excellence Awards Gala, “Vasile Goldiş” Western University of Arad, Romania. December, 2022
- **Member:** Alumni ICTP Pakistan. 2020 – Present
- **Honorarium:** From Government College University, Lahore for Publications. 2018 – 2019
- **Nomination:** COMSTECH Best Research Paper Award 2017 by Government College University, Lahore
- **Postdoctoral Fellowship Offered:** Instituto de Ciências Matemáticas e de Computação, Universidade de São Paulo, Brazil. August, 2015

- **Member:** UNESCO-Third World Academy of Sciences (TWAS), Trieste, Italy. 2014 – Present
- **Shortlisted:** Best Young Research Scholar Award of HEC. November, 2012
- **Award:** CONACYT - TWAS 2009 Postdoctoral Fellowship, TWAS – Italy and CONACYT - Mexico. August, 2010
- **HEC Approved PhD Supervisor.** 2010 – Present
- **Advisor:** Chawala Mathematical Society, GC University Lahore. 2008 – 2011
- **Member:** Old Ravian Union. 2008 – Present
- **Member:** Punjab Mathematical Society. 2012 – Present
- **Awarded:** Punjab Government and HEC Indigenous Scholarship for PhD Studies. 2004 – 2008
- **Second Position:** M.Sc., University of the Punjab / affiliated institutes. 2004
- **First Position:** B.Sc., Govt. Science College, Allama Iqbal Town, Lahore. 2001

EDITORIAL / SCHOLARLY ACTIVITIES

- **Digital Transformation:** Led the migration of the Journal of Prime Research in Mathematics (JPRM) to the Open Journal Systems (OJS) and applied for Web of Science indexing, 2025.
- **Led and Edited:** A Special International Conference Proceedings Volume honoring Prof. Abdus Salam, AS-ICMSET 2025.
- **Reviewer:**
 - Computational and Applied Mathematics, “Projection-based iterative methods for solving multilinear systems.” Sep 2, 2025
 - Advanced Theory and Simulations, “On the Continuous Statistical Maxwell Distribution for Obtaining the Risk in Economy.” Aug 29, 2025
 - Journal of Applied Analysis and Computation (JAAC), “Applications of the Conformable Laplace Variational Iteration Method to Fractional Differential Equations.” Jul 28, 2025
 - Zeitschrift fur Angewandte Mathematik und Mechanik, “Operator Learning for Variable-Order Fractional Maxwell Model: A Data-Driven Framework for Fluid Dynamics Prediction.” Jul 4, 2025
 - Scientific Annals of Computer Science, “Hyper Zagreb Spectral Radii of Splitting and Shadow Graphs.” Jun 18, 2025
 - Journal of Nepal Mathematical Society, “On Codes Over Mixed Ring Z_2Z_4 and its Related Parameters.” May 6, 2025
 - Detailed Evaluation of the HEC 10th Best Research Awards. Mar 18, 2025
 - Registration as Reviewer, Songklanakarin Journal of Science and Technology Feb 19, 2025
 - Punjab University Journal of Mathematics, “Repdigits as Sum of Cubes of Three Consecutive Jacobsthal Numbers.” Jan 16, 2025
 - Scientific Inquiry and Review, “The finite fractional Hilbert transform.” Jan 16, 2025

- Punjab University Journal of Mathematics, “Fibonacci numbers which are concatenations of three Fibonacci or Lucas numbers.” Jan 6, 2025
- Symmetry, “Advanced Information on Multiple-Granulation Approximation Spaces.” Jul 1, 2024
- Symmetry, “Isometries to Analyze the Stability of Norm-Based Functional Equations in p -Uniformly Convex Spaces.” Jun 7, 2024
- International Journal of Differential Equations, “Applications of the Conformable Laplace Variational Iteration Method to Fractional Differential Equations.” Apr 4 & 24, 2024
- Heliyon, “The Miller-Ross Poisson Distribution and its Applications to Certain Classes of Bi-univalent Functions Related to Horadam Polynomials.” Jan 18, 2024
- Journal of Applied Mathematics and Computing, “The first general Zagreb index of graphs and their line graphs.” Jan 17, 2024
- Qeios, “A Novel Computational Approach for Solving Fully Implicit Singular Systems of Ordinary Differential Equations.” Nov 2, 2023
- Turkish Journal of Inequalities (TJI) Oct 21, 2023
- Heliyon Oct 4 & 18, 2023
- International Journal of Differential Equations Oct 2, 2023
- American Mathematical Society (AMS) Mathematical Reviews
- International Journal of Differential Equations Sep 25, 2023
- **Reviewer:** HEC Islamabad postdoctoral projects since Sep 12, 2023 (Projects 184, 192, 211, 29, 296, 385, 434, 74, 89, 97).
- **Guest Editor:** Fractal and Fractional MDPI, Special Issue “Metric Spaces with Its Application to Fractional Differential Equations” https://www.mdpi.com/journal/fractalfract/special_issues/7JPS4V44XS
- **External Expert / Examiner:**
 - Assessment of candidates, 26th Selection Board, UMT Lahore, Aug 29, 2023
 - PhD Thesis Examiner, UMT Lahore, Jan 20, 2023
 - VIVA-VOCE PhD Thesis of Ms. Sana Zafar, LCWU Lahore, Jun 19, 2023
 - External Expert, 38th, 40th, 41st Meetings of Board of Advanced Studies and Research, UMT Lahore, 2022
 - External Examiner of M.Sc VIVA-VOCE, University of the Punjab and affiliated colleges, 2020-2022 (Multiple campuses)
 - External examiner of PhD Thesis of Mr. Muhammad Yaseen, University of Sargodha, Apr 2019
- **Editorial Roles:**
 - Managing Editor, Journal of Prime Research (ASSMS) GC University Lahore, 2014-2019, 2020-present

- Editor, Journal of Prime Research (ASSMS) GC University Lahore, 2019-2020
- **Reviewer:** IEEE Access, Journal of Physics A, Hindawi Journals, Molecular Physics, Complexity-Hindawi, International Journal of Applied and Computational Mathematics (IACM), Turkish Journal of Inequalities, Best Researcher Award SHEN, since 2017.
- **Reviewer / Nominated Reviewer:** HEC Research Grants (NRPU), Project No. 4562 and 10 projects in 2020-2022.
- **External Member:**
 - Quality Enhancement Cell (QEC), Dept. of Mathematics, University of the Punjab, since 2022
 - Admission Committee PhD/MPhil, Dept. of Mathematics, University of the Punjab, since 2022

SERVICE ACTIVITIES

- Member of Committee for the 19th Convocation, GC University Lahore, 2021.
- Member of the committee to prepare/conduct the GRE (general and subject) test for admission in M.Phil/Ph.D., Department of Mathematics, University of the Punjab, Lahore, since Nov 22, 2019.
- Member of Admission Committee to evaluate applications of international students for undergraduate and postgraduate programmes, 2019.
- Member of Committee for the formation and conduct of summer semester for MS/MPhil, GC University Lahore, 2018.
- Elected Member of Academic Council, GCU Lahore, against the post of Associate Professor, 2017-2020.
- M.Phil Program Coordinator, Department of Mathematics, GC University Lahore, since 2018.
- President of Wrestling, GCU Lahore, 2016.
- Member, Selection Committee (Wrestling) for F.A/F.Sc admissions, 2016.
- Member of Admission Committee, F.A/F.Sc, 2016.
- External Examiner of MPhil Theses, UOG / UOE / UET, 2016.
- Member of Admission Committee, ASSMS, GCU Lahore, 2015.
- Member of Purchase Committee, Abdus Salam School of Mathematical Sciences, 2014-2016.
- Permanent Member, MSc Selection Committee, Department of Mathematics, GCU Lahore, 2014-2021.
- Permanent Member, MPhil Selection Committee, Department of Mathematics, GCU Lahore, since 2012.
- Member, Ph.D Selection Interview Committee, Department of Mathematics, GCU Lahore, since 2012.
- Member, Selection Committee (Weightlifting) for F.A/F.Sc admissions, 2012-2019.
- President of Weightlifting, GCU Lahore, 2012-2019.
- Departmental Controller, Department of Mathematics, GCU Lahore, since 2012.
- President, Rowing and Roving Club, GCU Lahore, 2010-2011.

- Member, Selection Committee (Basketball) for F.A/F.Sc admissions, 2010.
- Member, MPhil Selection Committee, Department of Mathematics, GCU Lahore, since 2009.
- Inter-departmental Sports Coordinator, Department of Mathematics, GCU Lahore, 2008-2011.
- In-charge of Seminars, Department of Mathematics, GCU Lahore, 2008-2011.
- Advisor, Chawala Mathematical Society, GCU Lahore, 2008-2011.