Gulnaz Atta

PERSONAL STATEMENT:

I am a committed educator and researcher holding a Ph.D. in Mathematics, with a long-standing role as a Lecturer at the University of Education, D.G. Khan Campus, dating back to 2006. In addition to my teaching responsibilities, I have managed the academic and administrative functions of the UE Model School in D.G. Khan as its Administrator. My scholarly work is centered on Time Scale dynamic systems and stability theory, reflecting a deep dedication to advancing both mathematical research and pedagogical excellence. I am serving as coordinator of female student counselling Centre. I place a high priority on student achievement and work to cultivate an interactive and stimulating learning atmosphere that encourages the development of critical thinking and problem-solving abilities.

PERSONAL INFORMATION:

Father's Name : Atta ullah

Date OF Birth : 03 January 1982

Cell No. : +92334-6959289

C.N.I.C No. : 323103-6404956 -0

E-Mail : gulnaz.atta@ue.edu.pk

Gender : Female

Marital status : Married (Two Sons & One daughter)

Domicile : D.G.Khan

Nationality : Pakistani

Religion : Islam

Postal Address : University of Education Kangon Road D.G.Khan Campus D.G.Khan

Permanent Address : University of Education Kangon Road D.G.Khan Campus D.G.Khan

ACADEMIC RECORD:

Name of Institution	Degree	Passing Year	Division	Board/University
CASPAM, BZU	Ph. D Mathematics	2023	1st CGPA 3.35/4	BZU Multan
CASPAM, BZU	M.Phil. Mathematics	2014	1st CGPA 3.22/4	BZU Multan
CASPAM, BZU	M.Sc. Mathematics	2004	1st 65%	BZU Multan
Government College for Women Taunsa Sharif	BA (Math A & Math B)	2002	1st 70%	BZU Multan
Government College for Women Taunsa Sharif	FA	2000	1st 64%	BISE D.G. Khan
Government Girls High School, Taunsa Sharif.	Matriculation	1998	1st 77%	BISE D.G. Khan

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PROFESSIONAL QUALIFICATION:

Name of Institution	Degree	Passing Year	Division	Board/University
University of Education ,D.G.Khan Campus	B.Ed. (General)	2005	1st	University of Education, Lahore
University of Education, Lahore	PGD	2013	1st	University of Education, Lahore.

WORK EXPERIENCE (TEACHING):

Name of Organization	Post Held	Scale	Joining Date	Last Working Date
University of Education Lahore	Lecturer in Mathematics	18	20-06-2006	To date

Projects

PhD Research Topic

Some Characterizations of Dichotomies of Impulsive Dynamic Systems on Time Scales

: M.Phil. Research Topic

Controllability and Observability Criteria for the Linear Impulsive Adjoint Dynamic Systems on Time Scale.

STRENGTH & SKILLS:

- Languages: English Good Fluency
  Urdu Good Fluency
  Balochi Native Language
  Saraiki Native Language
- Self-Motivated .
- Managing hard working, Good communication skills, Competitive and honest.

Technical &Academic Skills:

- Calculus
- Integral Equations
- Time Scale
- Functional Analysis.
- Research Methodology.

PUBLICATIONS:

1. Aqil, M., Ahmad, M., Qayyum, A., Alsulami, I. K., Fakhrou, A., & Atta, G. (2025). An Image Encryption and text encryption scheme based on Elliptic curve using Montgomery curve and Haga s function.Discontinuity, Nonlinearity, and

Complexity, Volume 14, 2025.

2. AlMohamadi, H., Rubbab, Q., Garalleh, H. A., Atta, G., Amjad, M., Jamshed, W., & Bayram, M. (2025). Artificial intelligence and numerical simulation based assessment of trihybrid structured flow over a curved geometry: Thermalized case analysis. *Results in Engineering*, *25*, 103829.
3. Ahmad, H., Guedri, K., Ahmad, S., Ali, K., Atta, G., Hussain, S. M., & Abd-Elmonem, A. (2025). Numerical and machine learning based evaluation of ethylene glycol based hybrid nano-structured (TiO 2-SWCNTs) fluid flow. *Scientific Reports*, *15*(1), 6084.
4. Assmaa Abd-Elmonem, Hijaz Ahmad, Hakim AL Garalleh, Gulnaz Atta, Muhammad Amjad, Nagat A.A. Suoliman, Wasim Jamshed, Syed M. Hussain, Machine learning and differential transform simulation in analysing the ionic liquid (EtSO4) based ternary hybrid flow over a curved geometry, Journal of MolecularLiquids,127109,ISSN0167-7322, https://doi.org/10.1016/j.molliq.2025.127109.
5. Hussain, S. M., Ahmad, H., Garalleh, H. A., Atta, G., & Amjad, M. (2025). Thermodynamic case assessment of the micropolar fluid using neural network fitting tool and quasi-linearization technique: An asymmetric channel flow application. *Case Studies in Thermal Engineering*, *68*, 105874.
6. Shuguang Li, Yuchi Leng, Gulnaz Atta, Sohail Ahmad, Kashif Ali, Sahar Ahmed Idris, Hijaz Ahmad. " Thermal attributes of sodium alginate ($Na.C_6H_7O_6$) based binary and ternary hybrid nanofluids under activation energy and induced magnetic field environment" Case Studies in Thermal Engineering, Volume 59, 2024, 104449, ISSN 2214-157X, https://doi.org/10.1016/j.csite.2024.104449.
7. Arslan Munir, Ather Qayyum, Laxmi Rathour, Gulnaz Atta, Siti Suzlin Supadi, and Usman Ali. A Study on Milne- Type Inequalities for A Specific Fractional Integral Operator with Applications. Korean J. Math. 32 (2024), No. 2, pp. 297–314 https://dx.doi.org/10.11568/kjm.2024.32.2.297.
8. Ahmad, M., Qayyum, A., Atta, G., Supadi, S. S., Saleem, M., & Ali, U. (2024). A study on degree based topological Indices of harary subdivision graphs with application. *International Journal of Analysis and Applications*, *22*, 63-63.
9. Ahmad, M., Hussain, M. J., Atta, G., Raza, S., Waheed, I., & Qayyum, A. (2023). Topological evaluation of four para-line graphs absolute pentacene graphs using topological indices. *International Journal of Analysis and Applications*, *21*, 66-66.
10. Awais Younus, Gulnaz Atta, Ahmad Aloqaily, Nabil Mlaiki & Thabet Abdeljawad. Stability of Cayley dynamic systems with impulsive effects. *J Inequal Appl* 2023, 80 (2023). https://doi.org/10.1186/s13660-023-02992-4.
11. Atta, G., & Younis, A. On the solution of the Cayley impulsive dynamic control systems. *Bulletin of the Polish Academy of Sciences: Technical Sciences*, e144601-e144601.

12. Saddam Hussain, Anum Iftikhar, Kleem Ullah, Gulnaz Atta, Usman Ali, Ulfat Parveen, Muhammad Yasir Arif, Ather Qayyum, Estimation of Finite Population Mean by Utilizing the Auxiliary and Square of the Auxiliary Information, Int. J. Anal. Appl., 21 (2023), 14.
13. Ayyaz Ali, Zafar Ullah, Irfan Waheed, Moin-ud-Din Junjua, Muhammad Mohsen Saleem, Gulnaz Atta, Maimoona Karim, Ather Qayyum. New exact solitary wave solutions for fractional model[J]. AIMS Mathematics, 2022, 7(10): 18587-18602. doi: 10.3934/math.20221022.
14. Younus, A., Azam, M. U., Asif, M., & Atta, G. (2022). Fixed Point Theorems for Self and Non-Self Contractions in Modular Metric Spaces Endowed with a Graph. *Palestine Journal of Mathematics*, *11*(1).
15. Gulnaz Atta, Awais Youns. "Some Characterizations of Dichotomy for Impulsive Dynamic Systems" Journal of Mathematical Analysis ISSN: 2217-3412, URL: www.ilirias.com/jma , Volume 12, Issue 5 (2021).

WORKSHOPS/ TRAININGS ATTENDED

- Attended 3 days' workshop on "Capacity Building Training in University of Education, Lahore (w.e.f 22-01-25 to 24-01-25).
- Attended 2 days' workshop on "Capacity Building Workshop of Coordinators of Student Counselling Centre held on 7-8 December 2023 in Township Campus University of Education, Lahore.
- Awarded certificate of Appreciation in UE Flood relief Campaign in 2022 by Vice Chancellor University of Education
- Attended Conference "CASPAM International Conference on Mathematics and Applications (w.e.f 6-7 November 2017).

- Attended workshop of one month on "Staff Development Course in University of Education, Lahore (w.e.f 13-07-2006 to 12-08-2006).

ORAL PRESENTATION

- Awarded for presenter in 3rd International conference on recent advances in Mathematics held in "Department of Mathematics" at University of Education held on 16-17 April , 2025.
- Awarded for presenter in 2nd International conference on recent advances in Mathematics held in "Department of Mathematics" at University of Education held on 04-05 December , 2023.