



Muhammad Afzal

Cell#+92-321-7061324

Email: muhammad.afzal@ue.edu.pk, mafzalmughal700@yahoo.com

Career Objectives

To carry out my career in a highly challenging environment that will help me to utilize my acquired knowledge, experience and skills.

PERSONAL

FATHER'S NAME: **Muhammad Anwer**
QUALIFICATION: **Ph.D.**
MARITAL STATUS: **Married**
DATE OF BIRTH: **08-02-1980**
DOMICILE: **Kasur (Punjab) Pakistan**
CNIC No. **35102-1660968-3**
Passport No. **BG1519684**
PERMANANT ADDRESS: **Al- Falah Colony Khudian Khas, Tehsil and District Kasur**

CURRENT MAILING ADDRESS: **Residence # 1 Assistant Professor of Mathematics, University of Education Faisalabad Campus, College Road Samanabad, Faisalabad, Punjab, Pakistan. Postal Code: 38000**

QUALIFICATION

PROFESSIONAL QULIFICATION:

DEGREE	NAME OF BOARD/UNIVERSITY	MARKS OBTAINED	Divisions
Ph.D. Applied Mathematics	Ocean University of China, P.R. China www.ouc.edu.cn	643/700	First
M.Phil. Mathematics	University Of Education Lahore www.ue.edu.pk	CGPA 3.60/4.0	First
M.Sc. Applied Mathematics	Department of Mathematics Punjab University Lahore pu.edu.pk	804/1200	First
BSc (Math A+B, Physics)	Punjab University Lahore pu.edu.pk	513/800	First
F.Sc. Pre-Engineering	Board of Intermediate & Secondary Education Lahore	700/1100	First
Matric (Science)	Board of Intermediate & Secondary Education Lahore.	615/850	First

Areas of Interest:

- Reducibility of Differential Systems
- Numerical Analysis
- Differential Equations
- Fluid Dynamics

MPHIL THESIS TITLE:

“EXACT SOLUTIONS OF FRACTIONAL OLDROYD-B FLUID SUBJECT TO A SINUSOIDAL SHEAR STRESS IN AN INFINITE CYLINDER”.

Ph.D. THESIS TITLE:

“REDUCIBILITY OF ALMOST-PERIODIC DIFFERENTIAL SYSTEMS”.

Papers Published:

- **M. Afzal**, S. Guo, and D. Piao, On the Reducibility of a Class of Linear Almost-Periodic Hamiltonian Systems, *Qual. Theory Dyn. Syst.*, **12**(1) pp.1-272 ISSN 1575-5460. <https://doi.org/10.1007/s12346-018-0309-9> (SCI) Published.
- **M. Afzal**, T. Ismaeel and M. Jamal, Reducible Problem for a Class of Almost-Periodic Non-linear Hamiltonian Systems, *Journal of Inequalities and Applications*, (2018) 2018:199 <https://doi.org/10.1186/s13660-018-1787-7> , (SCI) Published.
- **M. Afzal**, T. Ismaeel, R. Ahmad, I. Khan and D Baleanu, Analysis of positive measure reducibility for quasi-periodic linear systems under Brjuno-Russmann condition, *AIMS Mathematics*, Volume 7, Issue 5, 9373–9388. DOI: 10.3934/math.2022520 Published.
- G. Ali, **M. Afzal**, M. Asif and A. Shazad, Attribute reduction approaches under interval-valued q-rung orthopair fuzzy soft framework, *Applied Intelligence* <https://doi.org/10.1007/s10489-021-02853-x> Published.
- Z. S. Mufti, R. Anjum , A. Abbas, S. Ali, M. Afzal and A. Alam, Computation of Vertex Degree-Based Molecular Descriptors of Hydrocarbon Structure, *Journal of Chemistry* Volume 2022, Article ID 3621403, 15 pages <https://doi.org/10.1155/2022/3621403> Published

- **M. Afzal** and S. Guo, On the Reducibility of a Class of Linear Almost-periodic Differential Equations, *Communication in Mathematical Research*, **35**(1)(2019), 1-9 ISSN 1674-5647 CN 22-1396/O1.
- **Afzal-Tariq-Butt-Farooq-Riaz-Khan** On the reducibility of a class of almost-periodic linear Hamiltonian systems and its applications in Schrodinger Equation, *AIMS Mathematics*, 8(3) 7471-7489 DOI: 10.3934/math.2023375 (2023).
- **Zahid et al.** DETERMINATION OF THE GOLD ALLOYS COMPOSITION BY LASER-INDUCED PLASMA SPECTROSCOPY USING AN ALGORITHM FOR MATCHING EXPERIMENTAL AND CALCULATED VALUES OF ELECTRON NUMBER DENSITY, *JOURNAL OF APPLIED SPECTROSCOPY*, 2023.

Distinctions/Scholarships:

- Captain Hockey Team, GHSS Khudian Khas Kasur 1995-1996.
- Throughout First Division in whole Academic Career.
- 1st Position in M. Phil (Merit List) UE, Division of Science and Technology, Township Campus Lahore.
- CSC Scholarship Winner for Ph.D. 2014.
- Scholarship winner at GHSS Khudian Khas Kasur 1995-1996 9th and 10th Class.

HEC Approved PhD Supervisor.

Computer Skills:

- Microsoft Office
- Languages C & Mat lab & Mathematica

Communication Skills:

Proficient in English, Urdu & Punjabi

Experience:

Teaching:

- Coordinator Department of Mathematics, University of Education, Lahore (Faisalabad Campus) from 13-03-2020 to 09-06-2022.
- Chairperson Department of Mathematics, University of Education, Lahore from 08-11-2018 to 13-03-2020.
- Assistant Professor of Mathematics from 31-07-2013 to date.

- Lecturer in (Mathematics) I University of Education Lahore from 30-09-2005 to 30-07-2013.

Training Workshops/Seminars:

- Attended one month Teacher Training at Post-Graduate Level organized by (NAHE) National Academy of Higher Education Nov 07, 2006 to Dec 04, 2006.
- Working as a resource person for Teacher Training at Post-Graduate Level organized by (NAHE) National Academy of Higher Education
- LUMS 2nd International Conference on Mathematics and its Applications in Information Technology March 9-12, 2018.
- Convener Abstract Committee 1st International Conference on Recent Advances in Mathematics (CORAM) 15-16 October 2020 University of Education, Lahore.
- Capacity Building Program for Teaching Faculty of PHEC Institutions from 29-02-2020 to 25-07-2020 at Qasim Ali Shah Foundation.
- Secretary Virtual Seminar on Introduction and Applications of Fuzzy Mathematics, July 14, 2021 University of Education, Lahore Faialabad Campus.
- Secretary One Day Workshop on Mathematical Tools and Their Applications, June 02, 2022 University of Education, Lahore Faialabad Campus.
- Organizer ICP March 2022, University of Education, Lahore Faialabad Campus.

Management Experience:

- Superintendent Boys Hostel, University of Education, Lahore Township Campus from May 25, 2011 to August 23, 2014.
- Warden Boys & Girls Hostel, University of Education, Lahore Faisalabad Campus since Nov 08, 2018 to Nov 29, 2019.
- Superintendent Boys Hostel, University of Education, Lahore Faisalabad Campus since Nov 29, 2019 to 30-12-2021.
- Focal Person of Dengue Monitoring Committee, University of Education, Lahore Township Campus March 01, 2012 to Aug, 2014.
- Member of Transport Committee, University of Education, Lahore from Oct 11, 2011 to May, 2013.
- 2 Years management experience in PU Lahore.

Courses Taught at BS and MSc Level:

1. Calculus
2. Ordinary Differential Equations
3. Linear Algebra

4. Real Analysis
5. Vector and Tensor Analysis
6. Numerical Analysis
7. Partial Differential Equations
8. Methods of Mathematical Physics

REFERENCES:

References will be submitted on demand