



Muhammad Aamir Afzal

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ABOUT ME

Dedicated Mathematics educator with over 8 years of teaching experience at secondary, higher secondary, and college levels. Holds an MS in Mathematics from Air University with research expertise in Quantitative Structure-Property Relationship (QSPR) modeling and data analysis. Possesses strong knowledge of Applied Mathematics, Numerical Analysis, Statistics, Linear Algebra, and Mathematical Modeling. Passionate about teaching, research, student mentoring, and academic excellence.

RESEARCH INTERESTS

Research Interests

- Applied Mathematics
- Numerical Analysis
- Mathematical Modeling
- Statistics and Data Analysis
- Mathematical Chemistry
- QSPR/QSAR Modeling
- Computational Mathematics

EDUCATION AND TRAINING

MS Mathematics

Air university Multan Campus [20/10/2022 – 10/10/2024]

City: Multan | Country: Pakistan | Website: www.aumc.edu.pk | Field(s) of study: Natural sciences, mathematics and statistics: • Mathematics

M.sc Mathematics

Institute of Southern Punjab Multan [01/08/2019 – 30/09/2021]

City: Multan | Country: Pakistan | Website: www.isp.edu.pk | Field(s) of study: Natural sciences, mathematics and statistics: • Mathematics

BACHELOR OF SCIENCE

Bahauddin Zakariya University (BZU), Multan. [05/05/2015 – 15/05/2017]

City: Multan | Country: Pakistan | Website: www.bzu.edu.pk | Field(s) of study: Natural sciences, mathematics and statistics: • Mathematics

WORK EXPERIENCE

Creative Minds college – Islamabad, Pakistan

Mathematics lecturer

[01/09/2024 – Current]

Responsibilities:

- Teaching Mathematics and Physics at Intermediate level.
- Designing lesson plans and assessments.
- Preparing students for board examinations.

 **Fort Public College Basti Malook Multan** – Multan, Pakistan

Lecturer

[01/04/2022 – 06/2024]

Responsibilities:

- Taught Mathematics courses to Intermediate students.
- Conducted assessments and academic advising.

 **Al Rehmat Boys H.S.S.C Duniyapur** – Multan, Pakistan

College Lecturer

[15/08/2020 – 15/02/2022]

Responsibilities:

- Delivered Mathematics lectures.
- Coordinated with parents and faculty regarding student performance.

 **Muslim College Multan** – Multan, Pakistan

Mathematics instructor

[01/06/2018 – 10/06/2020]

Responsibilities:

- Taught Mathematics at FSc level.
- Prepared examinations and assignments.

 **Punjab college Multan** – Multan, Pakistan

Mathematics teacher

[10/06/2017 – 09/06/2018]

Responsibilities:

- Taught Intermediate Mathematics.
- Assisted students in examination preparation.

RELEVANT MATHEMATICS COURSEWORK

Relevant Mathematics Coursework

- Applied Linear Algebra
- Numerical Analysis
- Advanced Statistical Techniques
- Graph Theory with Applications
- Rings and Modules
- Differential Geometry
- Fluid Mechanics
- Research Methodology
- Algorithmic Cryptography
- Complex Analysis

RESEARCH EXPERIENCE

Research Experience

Comprehensive QSPR Analysis for Predicting the Physical Properties in Human Disease Drugs

Research involved:

- Statistical modeling
- Regression analysis
- Data interpretation
- Mathematical prediction models
- Computational analysis

PUBLICATIONS

Estimating the prediction ability of reverse degree-based entropy indices for the physicochemical properties of lymes disease drugs

Link: <https://www.frontiersin.org/journals/physics/articles/10.3389/fphy.2025.1536995/full>

CONFERENCES AND SEMINARS

Conferences and seminars Participated in various mathematics and interdisciplinary seminars during my Master’s program. These seminars included discussions on emerging topics in mathematical research, fostering my interest in cross-disciplinary applications of math in technology, engineering, and health sciences.

TECHNICAL SKILLS

Technical Skills

- Microsoft Office
- Microsoft Excel
- Zoom
- Statistical Data Analysis
- Research Writing
- Academic Presentation Skills

LANGUAGES

Languages

- English
- Urdu
- Saraiki (Native).

ACADEMIC STRENGTHS

Academic Strengths

- Mathematics Teaching
- Student Mentoring
- Curriculum Planning
- Classroom Management
- Critical Thinking
- Problem Solving
- Research Analysis