

KAINAT KHALID

Mathematics Lecturer | M.Phil. Mathematics

House#35A Street 3, Lawyer Colony, Guzar-e-Quaid, Rawalpindi
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CAREER OBJECTIVE

Dedicated and research-oriented Mathematics educator with over 5 years of teaching experience at secondary and higher secondary levels. Holder of a BS in Mathematics (GC University) and M.Phil. in Mathematics (University of Agriculture, Faisalabad), with research specialization in MHD fluid dynamics, nanofluids, and computational methods. Passionate about nurturing mathematical thinking in students and contributing to academic research within a forward-looking higher education institution.

EDUCATION

M.Phil. Mathematics

2023 – 2025

University of Agriculture, Faisalabad, Pakistan

- Thesis: Studies on MHD Flow of Williamson Nanofluids over Stretching Surfaces with Radiation and Slip Effects in Porous Media
- Awarded PEEF Scholarship based on outstanding academic performance in BS Mathematics

B.S. Mathematics (4-Year Honours)

2018 – 2022

GC University, Faisalabad, Pakistan

ACHIEVEMENTS & AWARDS

★ PEEF Scholarship (Punjab Educational Endowment Fund)

2023 – 2025

Awarded merit-based PEEF Scholarship for M.Phil. studies based on excellent academic performance in BS Mathematics recognizing academic distinction at the undergraduate level.

RESEARCH INTERESTS

- Magnetohydrodynamics (MHD): fluid flow, Williamson nanofluids, porous media, radiation and slip effects
- Numerical and computational methods in applied mathematics
- Mathematical modeling and differential equations
- Statistical analysis and data-driven methods in mathematics

PROFESSIONAL EXPERIENCE

Mathematics Teacher

2022 – 2025

The Arqam Schools — Samanabad Campus, Faisalabad, Pakistan

- Taught Mathematics at secondary (Grades 9–10) and higher secondary (Grades 11–12) levels covering Algebra, Calculus, Geometry, and Statistics
- Designed and implemented outcome-based lesson plans and curricula aligned with Punjab Board and Federal Board standards
- Monitored and analyzed student performance data to develop targeted improvement strategies

- Applied varied instructional methods — concept-based, problem-based, and visual learning — to maximize comprehension
- Supervised and mentored junior teaching staff and provided constructive performance feedback

Mathematics Teacher

2018 – 2022

The Lyallpur Lyceum School, Faisalabad, Pakistan

- Delivered Mathematics instruction for Grades 9 and 10 with focus on Punjab Board exam preparation
- Achieved consistently high student pass rates by simplifying complex topics and using practice-based teaching
- Built a positive learning culture that encouraged curiosity and a genuine interest in mathematics

SKILLS

Mathematical Software: Mathematica, Maple, MATLAB, Latex

Programming: C++

Data & Analysis: MS Excel, Statistical Data Analysis Tools

Office Tools: MS Word, MS PowerPoint

Teaching: Curriculum Development, Concept-Based Teaching, Lesson Planning, Behavioral Intervention

Soft Skills: Analytical Thinking, Communication, Student Goal setting, Process Management

TRAINING & CERTIFICATIONS

- 2-Day Workshop on Pure and Applied Mathematics — University of Agriculture, Faisalabad
- Workshop on Latest Data Analysis Tools for Mathematics Students — University of Agriculture, Faisalabad
- 3rd International Conference on Recent Trends in Statistics and Data Analytics — NUST, Islamabad
- Workshop on Lesson Planning — The Arqam Schools, Faisalabad
- Workshop on Teaching Methodology — The Arqam Schools, Faisalabad

REFERENCES

Available upon request.