

Dr. Shakoor Ahmad

Personal Information

D.O.B: 02/02/1994
Father Name: Muhammad Rafique
Nationality: Pakistani
CNIC: 33204-0433618-5
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Educational Qualifications

❖ PhD in Mathematics 2018-2023

Institution: COMSATS University Islamabad, Islamabad **CGPA: 3.43/4.00 (78.67%)**

Thesis Title: Modeling and Simulation of Fractional Differential Equations with Applications in Epidemiology and Financial Mathematics

❖ MS in Mathematics 2016-2018

Institution: COMSATS University Islamabad, Islamabad **CGPA: 3.76/4.00 (86.00%)**

Thesis Title: Higher Order Finite Difference Approximations to the Heat Equation

❖ B.Ed. (1.5 years) 2016-2018

Institution: AIOU, Islamabad **Marks: 1207/1800 (67.06%)**

❖ BS in Mathematics 2011-2015

Institution: University of Sargodha, Sargodha **CGPA: 3.21/4.00 (75.64%)**

❖ Higher Secondary School Certificate (HSSC), F.Sc (Pre-Engineering) 2009-2011

Institution: Govt. Higher Secondary School Garh Maharaja (JHANG) **Marks: 686/1100 (62.36%)**

❖ Secondary School Certificate (SSC) 2006-2008

Institution: Govt. Higher Secondary School Garh Maharaja (JHANG) **Marks: 589/850 (69.29%)**

❖ A six-month course in MS “Introduction to MATLAB Programing for Mathematicians”

Institution: COMSATS University Islamabad, Islamabad

Journal Publications (Total Impact Factor of Published Articles=21.849)

1. **Ahmad, S.,** Javeed, S., Ahmad, H., Khushi, J., Elagan, S.K., & Khames, A. (2021). Analysis and Numerical Solution of Novel Fractional Model for Dengue. *Results in Physics*, vol. 28, p.104669. (Impact Factor=4.476, W)
2. Ashraf, S., **Ahmad, S.,** Naeem, M., Riaz, M., & Alam, M.A. (2022). Novel EDAS Methodology Based on Single-Valued Neutrosophic Aczel-Alsina Aggregation Information and Their Application in Complex Decision-Making. *Complexity*, vol. 2022, 2394472. (Impact Factor=2.121, W)
3. **Ahmad, S.,** Javeed, S., Raza, S., & Baleanu, D. (2022). A Novel Fractional Model for Projection of Households using Wealth Index Quintiles. *PLOS ONE*, 17(11): e0277472. (Impact Factor=3.752, W)
4. Ashraf, S., Chohan, M.S., **Ahmad, S.,** Hameed, S., & Khan, F. (2023). Decision Aid Algorithm for Kidney Transplants Under Circular Spherical Fuzzy sets with distinctive Radii Information. *IEEE Access*, 11, 122029-122044. (Impact Factor=3.9, W)
5. Ashraf, S., Iqbal, W., **Ahmad, S.,** & Khan, F. (2023). Circular Spherical Fuzzy Sugeno Weber Aggregation Operators: A Novel Uncertain Approach for Adaption a Programming Language for Social Media Platform. *IEEE Access*, 11, 124920-124941. (Impact Factor=3.9, W)
6. Ashraf, S., Jana, C., Sohail, M., Choudhary, R., **Ahmad, S.,** & Deveci, M. (2024). Multi-criteria Decision-making Model Based on Picture Hesitant Fuzzy Soft Set Approach: An Application of Sustainable Solar Energy Management. *Information Sciences*, 686, 121334. (Impact Factor=3.7, W)

Awards

- ❖ PEEF Scholarship in MS and Laptop Awarded by Prime Minister in MS.
- ❖ NEST Scholarship in PhD.

Experience

❖ Lecturer of Mathematics

Institution: Nishat Degree College Khana Pull Islamabad (1 September 2015 - 22 April 2016).

- FSc and BSc classes.

❖ Visiting Lecturer

Institution: University of Sargodha, Sub-Campus Mianwali (Fall 2017, Spring 2018).

Courses Taught:

- Basic Mathematics (MATH-300) for BS-Chemistry (5th Semester)
- Statistics (MATH-401) for BS-Mathematics (7th Semester)
- Linear Algebra (MATH-211) for BS-Physics (4th Semester)
- Special Relativity (MATH-660) for MSc Mathematics (4th Semester)
- Fluid Mechanics (MATH-426) for MSc Mathematics (4th Semester).

❖ Visiting Lecturer

Institution: Federal Urdu University Islamabad (Fall 2019, Fall 2023).

Courses Taught:

- Calculus and Analytical Geometry (BSCS 1st Semester)
- Linear Algebra (BSCS 4th Semester)

❖ Visiting Lecturer

Institution: UIIT, ARID Agriculture University, Rawalpindi (Fall 2023)

Courses Taught:

- Numerical Analysis (BSCS 5th Semester)

❖ Visiting Assistant Professor

Institution: UIIT, ARID Agriculture University, Rawalpindi (Spring 2024)

Courses Taught:

- Multivariable Calculus (BSCS+BSSE 4th Semester)

❖ Visiting Assistant Professor

Institution: RIPHA International University, I-14 Islamabad (Spring 2024)

Courses Taught:

- Introduction to Mechanics (BS Mathematics 4th Semester)

❖ Visiting Assistant Professor

Institution: Uswa Institute of Higher Education Barakahu (Spring 2024)

Courses Taught:

- Multivariable Calculus (BSCS 4th Semester)

❖ Currently working as Visiting Assistant Professor

Institution: TMUC, H-11, Islamabad (Fall 2023, Spring 2024)

Courses Taught:

- Discrete Mathematics (BSCS 1st Semester)
- Mathematics Deficiency 1 (BSCS+ BSIT 1st Semester)
- Discrete Mathematics (BSIT 2nd Semester)
- Mathematics Deficiency 2 (BSCS+ BSIT 2nd Semester)

Reference

Will be provided on demand.