

Feroz Ahmed Soomro

Instructor - Mathematics

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SUMMARY

Dedicated mathematics and statistics educator with extensive experience teaching various courses and guiding students in classroom, online, and hybrid settings. 24 publications and over 1,000 citations. Experienced researcher in Healthcare Data Analytics and Scientific Machine Learning. Experienced mentor and contributor to curriculum development and student advisory initiatives. Fluent in English, Mandarin, and Urdu.

IT AND TECHNICAL SKILLS

Python, R, SPSS, MATLAB, SQL, Freefem++, Moodle, Canvas, MyMathLab, MS Teams, Scientific Machine Learning, Scientific Computing, Data-Driven Methods, Physics-Informed Neural Networks, Statistical Data Analysis, Mathematical Modeling

EDUCATION

Ph.D. in Mathematics, Nanjing University, China, 2018

Nanjing University is ranked 8th in China and 98th in the world, US News Best Global Universities, 2024

M.S. in Mathematics, Nanjing University, China, 2015

B.S. in Mathematics, University of Sindh, Pakistan, 2008

WORK EXPERIENCE

Teaching

Instructor, Department of Mathematics, Virginia Tech, Blacksburg, VA 24060, January 2025 – Present

Assistant Professor, Xiamen University, Malaysia, Full-Time, September 2023 – August 2024

Assistant Professor, University of Larkano, Pakistan, Full-Time, August 2018 – August 2023

Lecturer, University of Larkano, Pakistan, Full-Time, January 2010 – March 2012

Teaching Assistant, University of Sindh, Pakistan, Full-Time, November 2008 – January 2010

Service

Interim Department Chair, Department of Basic Sciences, University of Larkano, Pakistan, March 2019 – January 2020

Member of Curriculum Development and Review Committee, University of Larkano, Pakistan, August 2018 – August 2023

Coordinator for Outcome Based Education Committee, University of Larkano, Pakistan, January 2019 – August 2023

Member of Students' Admission Committee, University of Larkano, Pakistan, September 2018 – August 2023

TRAINING AND CERTIFICATIONS

Training about Outcome Based Education (OBE), Xiamen University, Malaysia, August 2023

Cultural Sensitivity in the Workplace, Public School Works, November 2024

Social Media: Personal and Professional Use, Public School Works, November 2024

HONORS AND AWARDS

Fully-Funded Scholarship for Ph.D., China Scholarship Council, China, September 2015 – June 2018

Fully-Funded Scholarship for M.S., China Scholarship Council, China, September 2013 – June 2015

Highly Cited Researcher, Quaid-e-Awam University, Pakistan, December 2018

CURRENT AND PAST SUPERVISORY ROLES

Doctor of Philosophy in Mathematics, Ongoing, Sukkur IBA University, Pakistan

Bachelor of Science in Mathematics (FYP), Ongoing, Xiamen University of Malaysia, Malaysia

Master of Engineering in Computational Science, Sukkur IBA University, Pakistan, December 2023

CONFERENCES AND SEMINARS

Departmental Monthly Seminar, Department of Mathematics, Xiamen University Malaysia, October 2023

4th Thermal and Fluids Engineers Conference, American Society of Thermal and Fluid Engineers, April 2019

RESEARCH OUTPUT

Articles can be accessed through Google Scholar: <http://scholar.google.com/citations?user=qC0t9sEAAAAJ&hl=en>

Peer-Reviewed Publications Journals

International Journal of Heat and Mass Transfer (IF 5.0, Q1), International Communications in Heat and Mass Transfer (IF 6.4, Q1), Journal of Energy Storage (IF 8.9, Q1), Physics of Fluids (IF 4.1, Q1), Results in Physics (IF 4.4, Q2), European Physical Journal Plus (IF 2.8, Q2), Archive of Applied Mechanics (IF 2.2, Q2), Physica A: Statistical Mechanics and its Applications (IF 2.8, Q2), Physica E: Low Dimensional Systems and Nanostructures (IF 2.9, Q2), Medicine (IF 1.4, Q3)

Core Metrics

Number of Publications: 24 | Total Impact Factor > 100 | Number of Citations > 1000 | h-index: 17 | i10-index: 19