

Zahid Khan, MS Mathematics

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Curriculum Vitae

Date of Birth: April 18, 1985

Place of Birth: Peshawar, KPK, Pakistan

Citizenship: Pakistan

EDUCATIONAL BACKGROUND

- (2013-2017)** **Master of Science (MS 18 years of education)**
University of Engineering and Technology Peshawar, Pakistan.
Study Area: Computational Mathematics
Master's Thesis: "Different strategies for selecting shape parameter in meshless numerical solution of elliptic boundary value problems".
Thesis Description: In science and engineering elliptic boundary value problems (EBVPs) have numerous applications. It can be used in the modeling of real world problems, like the stream function, flow of air pollutants, fluid flow, temperature deflection, velocity potential and electrostatic potential etc. The researchers have developed accurate and efficient numerical methods for the solutions of EBVPs. Here collocation method based on integrated multi-quadric radial basis function for elliptic PDE's with non-local boundary conditions (i-e., Two point boundary condition and Integral boundary condition) for three different strategies of shape parameter is discussed. The purpose of the study is to investigate mathematically the effects of different shape parameters in meshless method with local and nonlocal boundary condition of the solution of EPVBs.
- (2009-2011)** **Master of Science (M.Sc 16 years of education)**
Islamia College University Peshawar, Pakistan
Study Area: Mathematics
- (2007-2009)** **Bachelor of Science (B.Sc 14 years of education)**
University of Peshawar (UOP) Peshawar, Pakistan
Study Area: Mathematics & Physics

PUBLICATIONS

"Meshless procedure with multi-quadric radial basis function for solution of elliptic boundary value problems"
3rd National Conference on Sustainability in Process Industry (SPI),
UET Peshawar 2016.

RESEARCH INTEREST

I am extremely interested in theoretical research in the area of Applied Mathematics, especially Differential Equations (PDE or ODE) arising from different Physical and Biological problems, in Fluid Mechanics, Analysis of Mathematical Models arising from flow over in different geometries and their solutions through Numerical Schemes & Numerical Analysis.

PROFESSIONAL QUALIFICATION:

- (2009-2013)** **Bachelor of Education (B.Ed)**
Allama Iqbal Open University, Islamabad.
- (2011)** **Certificate in Information Technology (CIT)**
Khyber Pakhtunkhwa Trade Testing Board.

AWARDS AND HONORS:

- (2010-2011)** **Silver Medal (Merit Certificate)**
(Stood 2nd in M.Sc Mathematics at Islamia College University Peshawar),
Awarded by Islamia college university Peshawar, Pakistan.
- (April 2018)** **Certificate of Appreciation as a Member of Conference Organizing Team**
2-day National conference on Mathematical Sciences in Engineering Applications. (NCMSEA-2018). University of Engineering & Technology Peshawar, Pakistan.
- (Feb 2017)** **Certificate of Participation**
One day Symposium on "Numerical Computing & Its Applications"
University of Engineering & Technology Peshawar, Pakistan.
- (2014-2017)** **Best Teacher Performance Award**
Awarded by ICMS Education System Peshawar, Pakistan.
- (Oct 2016)** **Certificate of Participation**
3rd National Conference on Sustainability In Process industry (SPI-2016).
University of Engineering & Technology Peshawar, Pakistan.
- (2010-2011)** **Merit scholarship**
For topper of 2nd and 4th semester
Awarded by Islamia college university Peshawar, Pakistan.
- (2010-2011)** **Sports Certificate**
For Runner up Position In Cricket tournament awarded by sports society,
Islamia college university Peshawar, Pakistan.

(2009)

Certificate of Participation

Two days Training on "Refreshers Course on LSBE".

Organized by Youth Resource Centre in collaboration with UNESCO

EMPLOYMENT

Lecturer Mathematics at (CS & IT) IBMS Department, **(Current job)**

The University of Agriculture Peshawar, Pakistan. Since January 2017.

Courses Taught: Calculus and Analytical geometry, Numerical Computing, Linear algebra, Probability and Statistics.

Lecturer at ICMS College System Peshawar, Pakistan.

August 2014 to January 2017.

Courses Taught: Mathematics at intermediate level.

Administrative post: Campus Coordinator

Lecturer at Government College of Technology Peshawar, Pakistan.

September 2012 to March 2014 (Evening shift).

Courses Taught: DAE and B-Tech Mathematics.

Lecturer at Muslim educational complex Peshawar, Pakistan.

February 2012 to August 2014.

Courses Taught: Calculus and Techniques

Lecturer at UNESCO Project for IDPEs Peshawar, Pakistan.

November 2008 to November 2009 (Evening shift).

Courses Taught: Mathematics.

Lecturer at MM Academy Peshawar, Pakistan.

June 2012 to June 2014 (Visiting).

Courses Taught: A Levels Mathematics, Intermediate Mathematics and GRE.

PROFESSIONAL EXPERIENCE & LANGUAGES

Computer Applications: Matlab, Latex, Maple & Microsoft Office Suit

Languages: English, Urdu (native)

REFERENCES

Prof. Dr. Siraj-ul-Islam (MS Thesis Advisor)

Dean Faculty of Architecture, Allied Sciences and Humanities,

University of Engineering and Technology Peshawar, Pakistan.

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Department of Basic Sciences and Islmiyat,

University of Engineering and Technology Peshawar, Pakistan.

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