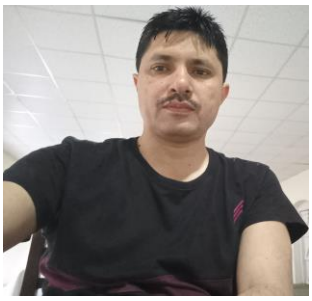

CURRICULUM VITAE

DR. IMRAN KHAN
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PERSONAL PROFILE

Father's Name: Jehangir Khan

Date of Birth: 23/03/1984

N.I.C. # 17301-3668666-1

Marital Status: Married

Domicile: Peshawar, K.P.K. Pakistan.

OBJECTIVE

To get a challenging job which enables me to make use of my knowledge and abilities, I would like to work in a highly competitive environment where I not only become productive but also where I achieve a high maturity level in my profession.

QUALIFICATIONS

Degree: Ph.D (Computational Maths) **2018**
University of Peshawar, Pakistan.

Degree: M. Phil (Computational Maths) **2013**
University of Peshawar, Pakistan.

Degree: MBA (Finance) **2009**
Institute of Management Sciences,
Hayatabad, Peshawar, Pakistan.

Degree: M.Sc (Mathematics) **2007**
University of Peshawar, Pakistan.

Degree: B.Sc **2005**
University of Peshawar, Pakistan.

Certificate: HSSC **2003**
B.I.S.E. Peshawar, Pakistan.

Certificate: SSC **2001**
B.I.S.E. Peshawar, Pakistan.

MAJOR COURSES

- Calculus and Analytical geometry
- Numerical Analysis
- Group Theory
- Linear Algebra
- Mathematical Statistics
- Complex Analysis
- Differential Equation
- Real Analysis
- Business Maths

COPUTER SKILLS

- Programming in C
- Ms-Office
- Matlab
- Mathematica

WORK & EXPERIENCE

- 1 year work experience as internee in the department of Mathematics university of Peshawar Pakistan. (1^{st} June 2009 to 31^{st} may 2010)
- 6 years' experience as BS coordinator at the Department of Mathematics University of Peshawar Pakistan.
- Recently Working as a Lecturer in the Department of Mathematics University of Peshawar Pakistan. (14 Oct 2010 to till date)

LANGUAGES

- English
- Urdu

PUBLICATIONS

2017: Imran Aziz and **Imran Khan**, Numerical Solution of Partial Integro-differential Equations of Diffusion Type, Math. Prob. Eng. 1 , 2017 , 1-11. DOI: 10.1155/2017/2853679

2018: Imran Aziz and **Imran Khan**, Numerical Solution of Diffusion and Reaction–Diffusion Partial Integro-Differential Equations, Int. J. Comp. Meth. 15(6), 2018. DOI: 10.1142/s0219876218500470

2020: Rohul Amin, Suayip Yüzbaşi, Liping Gao, Muhammad Asif and **Imran Khan**, Algorithm for the Numerical Solution of Volterra Population Growth Model with Fractional Order via Haar Wavelet , Cont. Math. 1(2), 2020, 1-11. DOI: 10.37256/cm.00056.102-111

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2020: Rohul Amin, Kamal Shah and **Imran Khan,** Efficient numerical technique for solution of delay Volterra-Fredholm integral equations using Haar wavelet, Heliyon, 6(10), 2020, 1-6, DOI: 10.1016/j.heliyon.2020.e05108

2020: Muhammad Asif, Nadeem Haider, Qasim Al-Mdallal and **Imran Khan**, A Haar wavelet collocation approach for solving one and two-dimensional second-order linear and nonlinear hyperbolic telegraph equations, Num. Meth. Par. Diff. Eq. 36(6), 2020, 1962-1981, DOI: 10.1002/num.22512

2020: Rohul Amin, Kamal Shah, **Imran Khan**, Muhammad Asif, Kholod M. Abualnaja, Emad E. Mahmoud, and Abdel-Haleem Abdel-Aty, A powerful numerical technique for treating twelfth-order boundary value problems, Open Physics, 18(1), 2020, 1048-1062, DOI: 10.1515/phys-2020-0205

2020: Muhammad Asif, **Imran Khan**, Nadeem Haider and Qasem Al-Mdallal , Legendre multi-wavelets collocation method for numerical solution of linear and nonlinear integral equations, Alex. Engr. Jr. 59(6), 2020, 5099-5109, DOI: 10.1016/j.aej.2020.09.040

2021: Rohul Amin, Kamal Shah, Muhammad Asif, **Imran Khan** and Faheem Ullah , An efficient algorithm for numerical solution of fractional integro-differential equations via Haar wavelet, J. Comp. Appl. Math. 381, 2021, 113028, DOI: 10.1016/j.cam.2020.113028

2021: Rohul Amin, Kamal Shah, Qasem M. Al-Mdallal, **Imran Khan** and Muhammad Asif , Efficient Numerical Algorithm for the Solution of Eight Order Boundary Value Problems by Haar Wavelet Method, Int. Jr. Appl. Comp. Math. 34(2021), 2021, 1-18, DOI: 10.1007/s40819-021-00975-x

2021: Rohul Amin, Kamal Shah, Muhammad Asif, **Imran Khan**, A computational algorithm for the numerical solution of fractional order delay differential equations, Appl. Math. Comp. 402, 2021, 125863 DOI: 10.1016/j.amc.2020.125863

2022: Imran Khan, Muhammad Asif, Rohul Amin, Qasem Al-Mdallal and Fahd Jarad, On a new method for finding numerical solutions to integro-differential equations based on Legendre multi-wavelets collocation, Alex. Engr. Jr. 61(4), 2022, 3037-3049, DOI: 10.1016/j.aej.2021.08.032

2023: Muhammad Asif, Rohul Amin, Nadeem Haider and **Imran Khan**, A Hybrid numerical technique for solving three-dimensional second-order parabolic partial differential equation, Fractals, 31(2), 2023, 1-16, DOI: 10.1142/S0218348X23400182

2024: Muhammad Asif, Faisal Bilal, Mehnaz, **Imran Khan**, Qasem-Al-Mdallal, Extension of Haar wavelet technique for numerical solution of three-dimensional linear and nonlinear telegraph equations, Partial Differential Equations in Applied Mathematics, 9, 2024, 100618, doi.org/10.1016/j.padiff.2024.100618

2024: Imran Khan, Khursheed J. Ansari, Rohul Amin, Sundas and Hifza Farheen, Application of linear Legendre multi-wavelets collocation method for solution of fourth order boundary value problems, Engr. Comput., 2024, 1-11, DOI.org/10.1007/S000366-024-02078-9

2025: Imran Khan, Rohul Amin, Raheem Ullah, Imran Khan and Wojciech Sumelka, HAAR WAVELET METHOD WITH CAPUTODERIVATIVE FOR SOLUTION OF A SYSTEM OF FRACTIONAL INTEGRO-DIFFERENTIAL EQUATIONS, Jr. Appl. Anal. Comp. 15(3), 2025, 1641-1658, DOI:10.11948/20240325

2025: Imran Khan, Rohul Amin, Imran Khan and Şuayip Yüzbaşı, Haar Wavelet Method for the Solution of Fourteenth Order Boundary Value Problems, *Int.l Jr. Numer. Modl. Elec. Net. Dev. Fiel.*, 2025, 1-9, DOI: https://doi.org/10.1002/jnm.70104