

FAWAD KHAN

OBJECTIVE	Seeking a challenging position in an Institute, where I can enhance my skills for the benefit of institute. I believe in an open team based knowledge sharing environment.
EDUCATION	➤ Ph.D Mathematics (General Relativity). 2018 <u>University of Peshawar.</u> ➤ M. Phil. Mathematics (Computational Mathematics). 2013 <u>University of Peshawar.</u> ➤ Master of Mathematics (M.Sc). 2008 <u>University of Peshawar.</u> ➤ Bachelor of Science (B.Sc). 2005 <u>University of Peshawar.</u> ➤ Faculty of Science (F.Sc). 2003 <u>Board of Intermediate and Secondary Education Peshawar.</u> ➤ Secondary School Certificate (S.S.C). 2000 <u>Board of Intermediate and Secondary Education Peshawar.</u>
PERSONAL INFORMATION	Father Name: Ikram ud Din Cell: +92 345 9170366 Date of Birth: 19th June 1984 Religion: ISLAM C.N.I.C: 17301-4568483-5 Computer Skills: Matlab, Mathematica, Maple, Latex, Ms Office. Language: English, Urdu. Address: Al-Rehman Street Charkhana Road Gulberg 4 Peshawar, Khyber Pakhtunkhwa, Pakistan. E-Mail: fawadkhan@uop.edu.pk
PROFESSIONAL EXPERIENCE	• Lecturer, Department of Mathematics University of Peshawar since 14th October, 2010 till to date. • Lecturer in Mathematics, International School and College of Pakistan, Kuwait (ISCP) from 26th September, 2008 to 30th June, 2010.

Administrative Experience	• Lecturer in Mathematics, Department of Mathematics Qurtuba University of Science and Technology Peshawar, Pakistan from 29th February, 2008 to 31st August, 2008. • Coordinator BS Program, Department of Mathematics University of Peshawar (Since 2020 till to date) • Focal Person, Prime Minister Laptop Scheme • Focal Person, Scholarships, Department of Mathematics University of Peshawar (Since 2018 till to date) • Member, Semester Examination Committee, Department of Mathematics University of Peshawar (Since 2015 till to date) • Member, Purchased committee, Department of Mathematics University of Peshawar (Since 2018 till to date)
Research Area	• General Theory of Relativity • Computational Mathematics
Publications	• Fawad Khan, Muhammad Sadiq, Tahir Hussain, Laila A. Al-Essa, A Comparative Study of Matter Collineations of Bianchi Type V Spacetime Using three Definitions, International Journal of Geometric Method in Modern Physics, 15, 2025, 2550314. (I.F# 2.2) (10.1142/S0219887825503141) • Fawad Khan, Rabia Zaheen, Tahir Hussain, Muhammad Mudassir, Wojciech Sumelka, Symmetries of the Energy-Momentum Tensor for Kantowski-Sachs Spacetimes, Rom. Jou. Phy., 70, 2025, 102. (I.F# 1.2) (doi.org/10.59277/RomJPhys.2025.70.102) • Fawad Khan, Wajid Ullah, Tahir Hussain, Wojciech Sumelka, Symmetries of the Energy-Momentum Tensor for Static Plane Symmetric Spacetimes, Symmetry, 15, 2023, 1614. (I.F# 2.2) (doi.org/10.3390/sym15081614) • Ashfaque H. Bokhari, Tahir Hussain, Wajid Hussain, Fawad Khan, Killing vector fields of Bianchi type I spacetimes via Rif tree approach, Modern Physics Letter A, 36, 2021, 2150208. (I.F# 2.066) (10.1142/S0217732321502084) • Tahir Hussain, Uzma Naseeb, Fawad Khan, Muhammad Farhan, An Efficient Rif Algorithm for the Classification of Kantowski-Sachs Spacetimes via Conformal Vector Fields, Journal of Korean Physical Society, 76, 2020, 286. (I.F# 0.535) (10.3938/jkps.76.286) • Tahir Hussain, Shehzad Ahmad, Fawad Khan, Homothetic Matter Collineations of LRS Bianchi type V Spacetimes with Perfect Fluid Source, Modern Physics Letter A, 34, 2019, 1950312. (I.F# 1.367) (10.1142/S0217732319503127) • Fawad Khan, Tahir Hussain, Ashfaque H. Bokhari, Sumaira Saleem Akhtar, Non-Static Spherically Symmetric Spacetimes and their Conformal Ricci Collineations, Arab. J. Math., 9, 2019, 393. (doi.org/10.1007/s40065-019-0249-5) • Tahir Hussain, Fawad Khan, Conformal Ricci Collineations of Static Spacetimes with Maximal Symmetric Transverse Spaces, Theoretical and Mathematical Physics, 198, 2019, 463. (I.F# 0.901) (10.1134/S0040577919030097) • Tahir Hussain, Sumaira Saleem Akhtar, Fawad Khan, Homothetic Ricci Collineations of Non-Static Spherically Symmetric Spacetimes with Perfect Fluid Matter, Modern Physics Letter A, 33, 2018, 1850196. (I.F# 1.367)

	(10.1142/S0217732318501961) • Tahir Hussain, Fawad Khan, Ashfaq H. Bokhari, Sumaira Saleem Akhtar, Classification of Kantowski-Sachs metric via conformal Ricci collineations, International Journal of Geometric Method in Modern Physics, 15, 2018, 1850006. (I.F# 1.022) (10.1142/S0219887818500068) • Sumaira Saleem Akhtar, Tahir Hussain, Ashfaq H. Bokhari, Fawad Khan, Conformal Collineations of the Ricci and Energy-Momentum Tensors in Static Plane Symmetric Spacetimes, Theoretical and Mathematical Physics, 195, 2018, 595. (I.F# 0.901) (10.1134/S0040577918040116) • Tahir Hussain, Sumaira Saleem Akhtar, Fawad Khan, Classification of LRS Bianchi type I Spacetimes via Conformal Ricci Collineations, Theoretical and Mathematical Physics, 193, 2017, 1524. (I.F# 0.851) (10.1134/S0040577917100099) • Fawad Khan, Tahir Hussain, Sumaira Saleem Akhtar, Conformal Ricci Collineations in LRS Bianchi type V Spacetimes with Perfect Fluid, Modern Physics Letterr A, 32, 2017, 1750124. (I.F# 1.308) (10.1142/S0217732317501243) • Imran_Aziz, Siraj-ul-Islam, Fawad Khan, A New Method Based on Haar wavelet for Numerical Solution of Two-Dimensional Nonlinear Integral Equations, Journal of Computational and Applied Mathematics, 272, 2014, 70. (I.F# 1.266) (dx.doi.org/10.1016/j.cam.2014.04.027)
Conferences	Fawad Khan, Imran Aziz, An improved method based on Haar wavelets for numerical solution of nonlinear two dimensional integral equations, International conference on Modelling and Simulation 2013 (ICOMS-2013), Islamabad, Pakistan.
Supervision	• Seven M.Phil students have completed their degree under my supervision • Currently I am supervising two Ph.D. and Five M.Phil./MS Scholars
Courses Taught	Functional Analysis, Calculus, Linear Algebra, Abstract Algebra, Number Theory, Complex Analysis, Numerical Analysis, Topology, Real Analysis, Differential Mathematics, Business Mathematics, Computational Mathematics, Multivariate Calculus, Integral Equations, Special Relativity, General Relativity.
References	• Prof. Dr. Imran Aziz, Professor/Head of the Department, Department of Mathematics, University of Peshawar. Email: Imran_aziz@uop.edu.pk • Dr. Tahir Hussain, Associate Professor, Department of Mathematics, University of Peshawar. Email: tahirhussain@uop.edu.pk

