

## CURRICULUM VITAE

**MOHSIN KAMRAN**

Lecturer  
Division of Science and Technology  
University of Education, Lahore Pakistan



### PERSONAL PROFILE

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Name:	Mohsin Kamran
Fathers' Name:	Hafeez Ullah Khan
Religion:	Islam
Marital Status:	Single
Date of Birth:	Aug. 14, 1986
Nationality:	Pakistan
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### EDUCATION

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<b>2010-2012</b>	<b><u>Master of Science in Mathematics</u></b>	<b>(First Divison)</b>
	COMSATS University Islamabad, Pakistan	
<b>2007-2009</b>	<b><u>M.Sc Applied Mathematics</u></b>	<b>(Gold Medalist)</b>
	University of Engineering & Technology Lahore, Pakistan	
<b>2004-2007</b>	<b><u>B.Sc. Mathematics</u></b>	<b>(First Divison)</b>
	University of the Punjab Lahore, Pakistan	

### FIELD OF INTEREST

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Spline Theory, Fractional Calculus, Fluid Dynamics, Numerical Solutions of PDEs & FPDEs, Numerical methods

## **PROFESSIONAL EXPERIENCE**

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**2016 to Date**

**Lecturer in Mathematics**

Division of Science and Technology,  
University of Education Town Ship  
Lahore, Pakistan.

**2012- Sep, 2013**

**Lecturer in Mathematics**

Department of Mathematics,  
University of Sargodha (Lahore Campus)  
Pakistan.

## **RESEARCH PROFILE**

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1. **Kamran, Mohsin**, Muhammad Abbas, Abdul Majeed, Homan Emadifar, and Tahir Nazir. "Numerical Simulation of Time Fractional BBM-Burger Equation Using Cubic B-Spline Functions." *Journal of Function Spaces* 2022 (2022).
2. **Kamran, Mohsin**, Abdul Majeed, and Jing Li. "On numerical simulations of time fractional Phi-four equation using Caputo derivative." *Computational and Applied Mathematics* 40.7 (2021): 1-17.
3. Majeed, Abdul, Muhammad Naveed Rafiq, **Mohsin Kamran**, Muhammad Abbas, and Mustafa Inc. "Analytical solutions of the fifth-order time fractional nonlinear evolution equations by the unified method." *Modern Physics Letters B* (2021): 2150546.
4. Majeed, Abdul, Muhammad Abbas, Amna Abdul Sittar, **Mohsin Kamran**, Saba Tahseen, and Homan Emadifar. "New Cubic Trigonometric Bezier-Like Functions with Shape Parameter: Curvature and Its Spiral Segment." *Journal of Mathematics* 2021 (2021).
5. Majeed, Abdul, **Mohsin Kamran**, Muhammad Abbas, and Md Yushalify Bin Misro. "An efficient numerical scheme for the simulation of time-fractional nonhomogeneous Benjamin-Bona-Mahony-Burger model." *Physica Scripta* 96, no. 8 (2021): 084002.
6. Majeed, Abdul, **Mohsin Kamran**, and Noreen Asghar. "Solution of non-linear time fractional telegraph equation with source term using B-spline and Caputo derivative." *International Journal of Nonlinear Sciences and Numerical Simulation* (2021).
7. Majeed, Abdul, Muhammad Abbas, Amna Abdul Sittar, Md Yushalify Misro, and **Mohsin Kamran**. "Airplane designing using Quadratic Trigonometric B-spline with shape parameters." *AIMS Mathematics* 6, no. 7 (2021): 7669-7683.

8. Rafiq, Muhammad Naveed, Abdul Majeed, Shao-Wen Yao, **Mohsin Kamran**, Muhammad Hamza Rafiq, and Mustafa Inc. "Analytical solutions of nonlinear time fractional evaluation equations via Unified method with different derivatives and their comparison." *Results in Physics* (2021): 104357.
9. Abdul Majeed, **Mohsin Kamran**, Noreen Asghar and Dumitru Baleanu. "Numerical approximation of inhomogeneous time fractional Burger-Huxley equation with B-spline functions and Caputo derivative, Accepted, 19-12-2020, **IF = 3.938**
10. Majeed, Abdul, **Mohsin Kamran**, Muhammad Kashif Iqbal, and Dumitru Baleanu. "Solving time fractional Burgers' and Fisher's equations using cubic B-spline approximation method." *Advances in Difference Equations* 2020, no. 1 (2020): 1-15.
11. Majeed, Abdul, Muhammad Abbas, Kenjiro T. Miura, **Mohsin Kamran**, and Tahir Nazir. "Surface Modeling from 2D Contours with an Application to Craniofacial Fracture Construction." *Mathematics* 8, no. 8 (2020)
12. Abdul Majeed, **Mohsin Kamran**, Muhammad Abbas & Jagdev Singh, "An Efficient Numerical Technique for Solving Time Fractional Generalized Fisher's equation" *Frontiers in Physics* 8 (2020): 293.
13. Majeed Abdul, **Mohsin Kamran**, Muhammad Rafique An approximation to the solution of time fractional modified Burgers equation using extended cubic B-spline method." *Computational and Applied Mathematics* 39.4 (2020): 1-21.

## **ADMINISTRATIVE EXPERIENCE**

- Focal Person of Department of Mathematics for ONLINE University Management System (UMS) Division of Science and Technology, University of Education, Lahore, Pakistan.

## **RESEARCH COLLABORATION**

- Dr. Dumitru Baleanu Cankaya University, Professor of Mathematical Physics at Institute of Space Sciences, Magurele-Bucharest, Romania.
- Prof. Md Youshalify Bin Misro, School of Mathematical Sciences, Universiti Sains Malaysia, Penang, Malaysia
- Dr. Muhammad Abbas Department of Mathematics, University of Sargodha, 40100 Sargodha, Pakistan

## **WORKSHOPS AND CONFERENCES**

- Attended 1<sup>st</sup> Online International Conference on Recent Advances in Mathematics (CORAM-2020) at University of Education Lahore Pakistan. October 15-16, 2020.
- Attended 6<sup>th</sup> UMT INTERNATIONAL CONFERENCE ON Pure and Applied Mathematics (6<sup>th</sup>UICPAM-2020) at University of Management & Technology (UMT) Lahore. Feb 21-23, 2020.
- Attended Symposium on Fractional Calculus & its Applications at University of Education Lahore on Feb 28, 2020.
- Attended 6<sup>th</sup> International Conference on Education (ICE 2018) at University of Education Lahore, Pakistan. March 23-25, 2018.
- Presented a paper in the 7<sup>th</sup> Symposium on Computational Complexities, Innovations and Solution held in Department of Mathematics, COMSATS Institute of Information Technology Abbottabad on May 07, 2012.
- Attended Conference on Pure & Applied Mathematics at Lahore University of Management Sciences (LUMS). Nov 2010

## **REFERENCES**

Dr. Muhammad Azam  
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University of Education Lahore, Pakistan  
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Dr. Abdul Majeed  
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