

CURRICULUM VITAE



Dr. Mohammad Kashif Khan

Assistant Professor

Department of Mathematics & Statistics

Integral University, Lucknow (U.P.), India

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Career Objective:

Inclined towards a challenging and growth-oriented career in academics and research where my aspiration towards learning, professional experience, academic background, and a commitment to excel would mutually complement the growth of the organization and myself.

Educational Qualifications:

- **Ph.D. (Mathematics)** from Jamia Millia Islamia (A Central University), New Delhi, India, Awarded, June 2022.

Title of thesis: “Elucidation of Certain Aspects of Multiple Hypergeometric Functions”.

- **M.Sc. (Mathematics)** from Jamia Millia Islamia (A Central University), New Delhi, India in 2010.
- **B.Sc. (Mathematics & Physics)** from M.J.P. Rohilkhand University, Bareilly, India in 2006.

Research Interests:

- Integral Transforms, Special Functions, Multiple Hypergeometric Functions, Applied Mathematics and Mathematical Analysis.

Teaching Interests:

- Engineering Mathematics, Numerical Analysis, Ordinary and Partial Differential Equations & their Applications, Integral Equations and Calculus of Variations, Laplace Transformations, Complex Analysis, Operation Research, etc.

Professional Experience:

- Worked as an Assistant Professor in the Department of Mathematics and Statistics, Integral University, Lucknow (U.P.)-226026, India from September 05, 2022 to July 15, 2023.
- 6 years of teaching experience in Al-Falah University, Faridabad, Haryana, India from 2011 to 2017.
- 1 year of teaching experience in B. N. Degree College, Shahabad, Hardoi, Uttar Pradesh-India from 2010 to 2011.

List of Research Papers (Published):

1. Qureshi, M. I., Paris, R. B. and **Khan, M. Kashif**; Applications of two Summation Theorems of Gosper for the $5F_4$ Hypergeometric Series, Journal of Siberian Federal University. Mathematics & Physics, 16(1) (2023), 142-148. (**Scopus and ESCI Indexed**).
2. Qureshi, M. I., Chaudhary, Wali Mohd. and **Khan, M. Kashif**; Some Transformations for Goursat's Function $2F_2[2x]$, South East Asian J. of Mathematics and Mathematical Sciences, 18(1) (2022), 179-190. (**Scopus Indexed**).
3. Qureshi, M. I., **Khan, M. Kashif** and Quraishi, Kaleem A.; On Certain Generalizations of Kummer's Second Summation Theorem, Design Engineering, Issue 1 (2022), 1925-1935. (**Scopus Indexed**).
4. Qureshi, M. I., Chaudhary, Wali Mohd. and **Khan, M. Kashif**; Certain General Double Series Identities with their Applications, *Jnanabha*, 51(2) (2021), 102-112. (**UGC Approved**).

5. Qureshi, M. I., Quraishi, K. A. and **Khan, M. Kashif**; Some Quadratic Transformations Motivated by the Work of Kummer and their Generalizations, *TWMS J. App. Eng. Math.*, 10(4) (2020), 1055-1063. (**Scopus and ESCI Indexed**).
6. Qureshi, M. I. and **Khan, M. Kashif**; Some Quadratic Transformations and Reduction Formulas Associated with Hypergeometric Functions, *Appl. Appl. Math.*, Special Issue No. 6 (2020), 71-86. (**ESCI Indexed**).
7. Qureshi, M. I., Quraishi, K. A., Chaudhary, Wali Mohd. And **Khan, M. Kashif**; Double Series Identity, Gaussian Quadratic Transformation and its Consequences, *J. Comput. Math. Sci.*, 9(12) (2018), 2127-2137. (**UGC Approved**).

Presentations in Conferences:

1. Presented the paper entitled "A Note on certain Terminating Clausen's Series with Applications" in 3rd online International Conference on Recent Trends in Renewable Energy and Advancement of Engineering and Technology (RTREAET-2023), Sponsored by HAREDA, Govt. of Haryana, jointly organized by Department of EEE, ECE and CSE, MEC held on 16th - 17th Feb, 2023.
2. Presented the paper entitled "Certain general Double-Series Identities and their Applications" in online International Conference on Recent Researches in Mathematics (FICRRM-22), organized by the Department of Mathematics, College of Natural and Computational Science, Mizan-Tepi University, Tepi Campus, Ethiopia during 20-21 April, 2022.
3. Presented the paper entitled "On certain generalizations of Kummer's second Summation Theorem" in online International Conference on "Recent Trends in Renewable Energy and Advancement in Engineering and Technology (RTREAET-2021)", Sponsored by HAREDA, Govt. of Haryana held at Mewat Engineering College (Wakf), Nuh, Haryana, India on December 28-29, 2021.
4. Presented the paper entitled "On a Summation Theorem for Terminating $4F_3[1]$ -Series with Applications" in 4th International Conference on Mathematical Modelling, Applied Analysis and Computation held at JECRC University, Jaipur (Raj.), India on August 05-07, 2021.
5. Presented the paper entitled "A New Summation Formula for Clausen's Function $3F_2[-m, \alpha, 1+\beta; 1+\alpha+m, \beta; -1]$ with Applications", in International Conference on Special Functions and Applications (ICSFA-2020) organized by Department of Mathematics & Computer Science, Babu Banarsi Das University, Lucknow, India on December 22-23, 2020.

6. Presented the paper entitled "**Some Terminating Gauss Series with Applications**" in **National Conference on Advances in Mathematical Analysis and its Applications** held at Department of Mathematics, P.G.D.A.V. College, University of Delhi, New Delhi, India on **November 08-10, 2019**.
7. Presented the paper entitled "**Some Summation Formulas for Clausen Series and Transformation for Goursat Series**", in **International Conference on Special Functions and Applications (ICSFA-20019)** organized by University College of Engg. and Tech., Bikaner (Raj.), India on **October 21-23, 2019**.
8. Presented the paper entitled "**Some Quadratic Transformations and Reduction Formulas Associated with Hypergeometric Functions**" in **2nd International Conference on Mathematical Modelling, Applied Analysis and Computation** held at JECRC University, Jaipur (Raj.), India on **August 08-10, 2019**.
9. Presented the paper entitled "**An Alternative Proof of Gauss Quadratic Transformation and its Consequences**" in **International Conference on Algebra and Applied Analysis** held at Integral University, Lucknow (U.P.), India on **August 9-11, 2018**.

Workshops/ FDP/ Short-Term Course Attended:

- Participated in a three day virtual workshop entitled "**Data Analytics and Visualization Tools**", Organized by Department of Mathematics & Statistics, Faculty of Science & Technology Vishwakarma University, Pune-411 048, Maharashtra, on **27-29 April, 2023** in association with TCS iON.
- Attended the five-days online FDP on "**Software Tools using Mathematical Computation**" conducted by Department of Computer Science and Engineering, Department of Mathematics on **5-9 June, 2023**.
- Short term course on "**Academic Writing using Latex**" organized by Applied Mathematics and Humanities Department, Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, India during **January 04–08, 2021**.
- Training Cum Use of "**Indian Citation Index**", Engineering Faculty Library, Jamia Millia Islamia, New Delhi, India, **31 January, 2019**.
- "**Application of MATLAB in Engineering Fields**", Held on **January, 2016** at Al-Falah University, Faridabad, Haryana.

Computer Skills:

- MS Office
- Wolfram Mathematica
- Latex

Personal Details:

Date of Birth: 20-04-1985

Father's name: Late Athar Nabi Khan

Permanent Address: H. No. 137 B, Anta, near chowki anjan, Shahjahanpur-242001

State: Uttar Pradesh (U.P.)

Marital Status: Unmarried

Nationality: Indian

Passport Number: V7505373 (valid form 21-04-2022 to 20-04-2032)

Religion: Islam

References:

- 1. Prof. (Dr.) Chaudhary Wali Mohammad**
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Jamia Millia Islamia, New Delhi-110025
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- 2. Prof. (Dr.) Mohammad Idris Qureshi**
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Declaration:

I hereby declare that the above-mentioned information is authentic to the best of my knowledge and belief.

Dated: 16-08-2023

Dr. Mohammad Kashif Khan