Dr. Owais Khan

Professional Summary

Enthusiastic, driven Math's teacher within year reputed university experience. Motivating, compassionate with proven track record of helping students succeed in assessment testing. Highly adept at presenting Mathematics concepts in a way that is clear, simple and engaging. Dedicated team leader who has earned trust and respect from students and colleagues. Solid belief and dedication to students that they can learn and achieve in Mathematics.

Job Objectives

Seeking a position as an Assistant Professor for Mathematics subject in an organization allowing me an opportunity to implement my academic and practical knowledge to shape up the next generation.

Employment

2020–Present   Assistant Professor at the Department of Mathematics & Statistics, Integral University, Lucknow-226026, U.P., India.

Education

2015–2019   **Ph.D|Applied Mathematics**, Aligarh Muslim University, Aligarh-202002, U.P., India.

2013–2015   **M.Sc. In Mathematics With Computer Science**, Jamia Millia Islamia University, New Delhi-11025, India.

2010–2013   **B.Sc.(Honours) Mathematics**, Jamia Millia Islamia University, New Delhi-11025, India.

Ph.D. Thesis

Title   On Some multiple generating functions of special functions of several variables.

Supervisor   Professor Mohammad Kamarujjama

Research Interest

Broadly   Fractional calculus, Partial Differential Equations, Integral Transforms, Special Functions and Orthogonal Polynomials.

In a narrow sense	Generate new generating functions of special functions and polynomials, Special functions arising in the fractional diffusion-wave equations and Integral transforms for fractional differential equations.

Ph.D. Students Supervising: 02

1. Mr. Sandeep Kumar; Ph.D. Topic: "A study of special functions and fractional calculus operators.

2. Mr. Mohd Uzair Siddqui; Ph.D. Topic: " Study of fractional calculus and Integral transform on special functions.

Scientific Publications

1. Solution of fractional differential equation involving certain special functions, **Journal of Xidian University**, Vol.18, No.06, 2024, pp. 88-94 (With S. Kumar and N.U. Khan) **(Scopus)**

2. A novel kind of beta logarithmic function and their properties, **Hacettepe Journal of Mathematics and Statistics**, Vol.52, No.04, 2023, pp. 945-955.(With N.U. Khan and Saddam Husain) **(SCI, Scopus, ESCI)**

3. Evolution of transforms and fractional calculus of new extended wright function, **Int. J. Appl. Comput. Math**, Vol. 8, No.163, 2022, pp. 1-14 (With N.U. Khan and M. Iqbal Khan) **(Scopus, ESCI)**.

4. Certain finite integrals involving generalized Wright function, **Advanced Mathematical Models & Applications**, Vol.6, No.3, 2021, pp.292-301 (With N.U. Khan and M. Iqbal Khan) **(Scopus, ESCI)**.

5. Finite integrals associated with the product of orthogonal polynomials and Wright function, **Honam Mathematical Journal**, Vol. 43, No. 4, 2021, pp. 597–612 (With N.U. Khan and M. Iqbal Khan) **(Scopus, ESCI)**.

6. A type of fractional kinetic equations associated with (p, q)-extended t-hypergeometric and confluent hypergeometric functions, **Nonlinear Functional Analysis and Applications**, Vol. 26, No. 2, 2021, pp. 381-392 (With N.U. Khan, J. Choi and K.S. Nisar,) **(Scopus, ESCI)**.

7. On certain integral transforms and extended Voigt functions", **Bulletin of the Allahabad Mathematical Society**, Vol. 36, 2021, pp. 163-177. (With M. Kamrujjama) **(Scopus)**.

8. Construction of partially degenerate Laguerre-Genocchi polynomials with their applications" **American Institute of Mathematical sciences**, Vol. 5, 2020, pp. 4399-4411 (With T. Usman, M. Aman, K.S. Nisar and S. Araci) **(SCI, Scopus, ESCI)**.

9. Fractional calculus for Mathieu type series and generalized Mittag-Leffler function, **Journal of Mathematics and Computer Science**, Vol. 20, 2020, pp. 122-130 (With S. Araci, Mohd Saif) **(Scopus, ESCI)**.

10. Computation of new class of integrals involving generalized Galue type Struve function, **Journal of Computational and Applied Mathematics**, Vol. 351, 2019, pp. 228-236 (With M. Kamarujjama) **(SCI, SCIE, Scopus, WOS)**.

11. Computable solution of fractional kinetic equations using Mathieu-type series, **Advances in Difference Equations**, Vol. 2019, 2019, PP. 1-16 (With N.U. khan, D. Baleanu and K.S. Nisar) **(SCI, SCIE, Scopus, WOS)**.

12. Fractional calculus formulas for the product of multivariable Srivastava polynomials and multiindex Bessel function, **American Institute of Mathematical Sciences**, Vol. 5, No. 2, 2019, pp. 1462-1475 (With N.U. Khan, D. Baleanu, K.S. Nisar and M. Saif) **(SCI, Scopus, ESCI)**.

13. The generalized p-k-Mittag-Leffler function and solution of fractional kinetic equations, **The Journal of Analysis**, Vol. 27, 2019, pp.1029–1046 (With M. Kamarujjma and N.U. Khan) **(Scopus, ESCI)**.

14. Extended Type k-Mittag–Leffler Function and Its Applications, **Int. J. Appl. Comput. Math**, Vol. 5, No.72, 2019, pp.1-14 (With M. Kamarujjma, N.U. Khan and Juan J. Nieto) **(Scopus, ESCI)**.

15. Fractional calculus of generalized p-k-Mittag- Leffler function using Marichev-Saigo-Maeda operators, **Arab Journal of Mathematical Sciences**, Vol. 25, No. 2, 2019, pp. 156-168 (With M. Kamarujjma and N.U. Khan) **(Scopus, ESCI)**.

16. A Unified approach to the certain integrals of k-Mittag-Lefffer type function of two variables, **Trans. Natl. Acad. Sci. Azerb. Ser. Phys. Tech. Math. Sci.**, Vol. 39, 2019, pp.98-108 (With N. U. Khan and K.S. Nisar) **(Scopus)**.

17. Estimation of certain integrals with extended multiindex Bessel-Maitland function, **Malya Journal of Matematik**, Vol. 7, 2019, pp. 206-212 (With M. Kamarujjma and N.U. Khan) **(Scopus)**.

18. Certain integral transforms involving the product of Galue type Struve function and Jacobi polynomials, **Palestine Journal of Mathematics**, Vol. 8, 2018, pp. 191–199 (With M. Kamarujjma and N.U. Khan) **(Scopus)**.

19. A new extension of muliindex Bessel function, **Proceedings of the Jangjeon Mathematical Society**, 2022 (With M. Kamarujjma and N.U. Khan) **(Scopus, ESCI)**.

Paper In Press

2. On Hermite based Appel type Changhee Polynomials. **The Analysis (Scopus, ESCI)**

3. Laguerre based Appel type Changhee Polynomials. **Turkish Journal of Mathematics (SCI, Scopus, ESCI)**

Paper In Working

1 On the solution of fractional differential equation involving Hurwitz-Lerch Zeta function.

Conferences/Workshop/FDP/PDP/Presentation

1. Attended Faculty Development Program on Transformative Pathways: AI & Emerging Trends in Teaching & Research , 12-18 February, 2024.

2. Attended Faculty Development Program on Research Skill Development, 27 January-02 February, 2023.

3. Attended Refresh Course in Mathematics organized by Department of mathematics & Statistics of integral University on 23 September–1 December, 2023.

4. Attended online one week faculty development program on Computing with MATLAB and LaTeX Scientific documentation held at Department of Mathematics, Baba Farid College, Bathinda, India & Mizan-Tepi University, Ethiopia in Collaboration with MathTech Thinking Foundation (MTTF), during 5–11 January, 2022.

5. Attended online International Workshop on Modern Mathematical Methods and High-Performance Computing in Science & Engineering held at Anand International College of Engineering, JAIPUR, during 23–24 November, 2021, India.

6. Attended Two Weeks Professional Development Programme on Statistical Data Analysis & Documentation With R held at Department of Mathematics & Statistics, Integral University, during 16–29 November, 2021, India.

7. Attended online International Workshop on Fractional Derivatives: Theory & Computations with Applications (FDTCA 2021) held at Department of Mathematical Sciences, Indian Institute of Technology BHU Varanasi, during November 12–14, 2021, India.

8. Attended 3rd International Conference on Mathematical Modeling, Applied Analysis and Computation-2020held at JECRC University, JAIPUR during 07- 09 August, 2020, India.

9. Attended Webinar on International Science and Technology Online Lecture Series held at Anand International College of Engineering, JAIPUR during 06–07 June, 2020, India.

10. Attended Workshop on International course on Orthogonal polynomials: from one to several variables at Anand International College of Engineering, JAIPUR during 05–07 March, 2019,India.

11. Presented paper in International conference on Special functions and Applications held at Amal Jyothi College of Engineering, Kangjirappaly, and KERALA during 22–24 November, 2018, India.

12. Presented paper in International conference on Algebra and Applied Analysis held at Integral University, LUCKNOW during 09–08 August, 2018, India.

13. Presented paper in International conference on Special functions and Applications held at College of Engineering & Technology, RAJASTHAN during 02–04 November, 2017, India.

14. Presented paper in International conference on Special functions and Applications held at Jamia Millia Islamia University, NEW DELHI during 09–11 September, 2016, India.

15. Attended Workshop on Research Methodology held at Sir Syed Hall North, ALI-GARJH, 12 March, 2016, India.

Courses & Subject Taught

Courses

Post Graduate Level	Master of Mathematics (M.Sc.).
Under Graduate Level	Bachelor of Technology (B. Tech.), Bachelor of Mathematics (B.Sc. Mathematics). Bachelor of Computer Sciences (BCA) and Bachelor of commerce (B.Com). Bachelor of Business(BBA).

Subject Taught

Post Graduate Level	Ordinary and Partial differential equations, Special functions and Orthogonal polynomials
Under Graduate Level	Set Theory, Matrices, Analysis, Calculus, Linear Algebra, Metric Space, Numerical analysis, Statistics and Probability.

Professional Activities

Associations Member

1. Member of Society of Special functions and their Applications (SSFA).
2. International Association of Engineers (IAENG).

External Reviewer

1. Reviewed in American Institute of Mathematical Science.
2. Reviewed in Journal of Computational and Applied Mathematics.
3. Reviewed in European Journal of Pure and Applied Mathematics.
4. Reviewed in International Journal of Mathematical Physics.
5. Reviewed in Journal of Applied Mathematics and Informatics
6. Reviewed in Computer Modeling in Engineering & Sciences.
7. Reviewed in Advances In Difference Equations.
8. Reviewed in Journal of Inequality and Applications.
9. Reviewed in Discrete Dynamics in Nature and Society.
10. Reviewed in Caspian Journal of Mathematics.
11. Reviewed in Journal of Egyptian Mathematical Society
12. Reviewed in Symmetry, MDPI.

Awards/Fellowships

November 2015–May 2016	UGC Non-Net Fellowship for Ph.D. Research.
June 2016–May–2019	(TEQIP-III FELLOW) Enhancement of Research & Development and Innovation under TEQIP-III, MHRD, Government of India.

Computer Skills

Database	MS Access.
Software Programming Languages	LATEX, Text-studio, Matlab and Python.

Profile Links

Google Scholar	https://scholar.google.co.in/citations?user=g-9bFZQAAAAJ&hl=en
ORCID ID	https://orcid.org/0000-0003-1565-4122
Research Gate	https://www.researchgate.net/profile/Owais-Khan

Academic Activities

II-Criteria Coordinator	National Assessment and Accreditation Council of India.
Coordinator	Value Added Course On Elementary Mathematics For Competitive Exams.
Curse Coordinator	Master of Science in Mathematics.
BOS Member	Member of Board of Studied Committee at Departmental Level.

General Information

Nationality	Indian Citizen.
Passport No	R 4 8 5 2 2 44
Language Known	English, Hindi and Urdu.
Date of Birth (DOB)	26 August 1994.
Corresponding Address	Department of Mathematics & Statistics, Integral University, Lucknow-226026, U.P., India.
Permanent Address	House No. 65/5 Baruzai Peshawari Near Pakka Bagh, Shahjahanpur-242001, U.P., India
Hobbies	Cricket, Traveling, Walk in free time, Interaction with new peoples.

References

1. Professor Mohammad Kamarujjama,
   Department of Applied Mathematics, Aligarh Muslim University Aligarh, India
   E-mail: mdkamarujjama@rediffmail.com
2. Professor Nabiullah Khan,
   Department of Applied Mathematics, Aligarh Muslim University Aligarh, India

E-mail: nukhanmath@gmail.com

Deceleration

I here by declare that the information provided is correct to best of my knowledge and believe. If given a chance, I can prove myself

Date: July 12, 2024

Place: Shahjahanpur, U.P.

Yours faithfully

(Owais KHAN)