Curriculum Vitae

Dr. Owais Khan

Assistant Professor
Department of Mathematics,
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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.

Education

Aligarh Muslim University   *ligarh, India*
PhD in Applied Mathematics   November 2015- August 2019

- Dissertation Area: Special functions
- Dissertation Title: On Some multiple generating
  Functions of special functions of severalvariables

Jamia Millia Islamia University   *New Delhi, India*
MSc MATHEMATICS WITH COMPUTER SCIENCE   August 2013 – July 2015
Secured 1stdivision

Jamia Millia Islamia University   *New Delhi, India*
Bachelor of Science (Honours) in Mathematics   August 2010 – July 2013
Secured 1stdivision

Research Interest

- **Fractional Calculus**
- **Special functions**
- **Orthogonal Polynomials**
- **Integral transforms**

Curriculum Vitae

Scientific Publications

PAPERS PUBLISHED

1. T. Usman, M. Aman, Owais Khan, K.S. Nisar and Serkan Araci, "Construction of partially degenerate Laguerre-Genocchi polynomials with their applications" American Institute of Mathematical sciences, Vol. 5 pp. 4399-4411, 2020. **(@SCI Indexed Journal, AIMS Publisher)**

2. Owais Khan, Serkan Araci, Mohd Saif, "Fractional calculus for Mathieu type series and generalized Mittag-Leffler function", Journal of Mathematics and Computer Science, V l. 20, pp. 122-130, 2020. **(©Scopus & WOS, Elsevier Publisher)**

3. M. Kamarujjama and Owais Khan, "Computation of new class of integrals involving generalized Galue type Struve function". Journal of Computational and Applied Mathematics, Vol. 351, pp. 228-236, 2019. **(@SCI Indexed Journal, Elsevier Publisher)**

4. Owais Khan, N.U. khan, D. Baleanu and K.S. Nisar, "Computable solution of fractional kinetic equations using Mathieu-type series", Advances in Difference Equations, 2019 **(@SCI Indexed Journal, Springer Publisher)**

5. Owais Khan, N.U. Khan, D. Baleanu, K.S. Nisar and M. Saif, "Fractional calculus formulas for the product of multicariable Srivastava polynomials and multiindex Bessel function" American Institute of Mathematical Sciences-Mathematics, Vol. 5 (2). 1462-1475, 2019. **(@SCI Indexed Journal, AIMS Publisher)**

6. M. Kamarujjama, N.U. Khan and Owais Khan "The generalized p-k-Mittag-Leffler function and solution of fractional kinetic equations", The Journal of Analysis, 2019. (https://doi.org/10.1007/s41478-0180160-z) **(©Springer Publisher)**

7. M. Kamarujjama, N.U. Khan, OwaisKhan and J.J. Nieto, "Extended type k-Mittag-Leffler function and its applications" International Journal of Applied and Computational Mathematics, 2019 **(**https://doi.org/10.1007/s40819-019-0656-5) **(©Scopus & WOS, Springer Publisher)**

8. M. Kamarujjama, N.U. Khan, Owais Khan, "Fractional calculus of generalized p-k-Mittag- Leffler function using Marichev-Saigo-Maeda operators" Arab Journal of Mathematical Sciences, 2019. (https://doi.org/10.1016/j.ajmsc.2019.05.003) **(©Scopus & WOS, Elsevier Publisher)**

9. Owais Khan, N. U. Khan and K.S. Nisar, "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. Mathematics, Vol. 39, 98-108, 2019.**(©Scopus)**

10. M. Kamarujjama, N.U. Khan, Owais Khan "Estimation of certain integrals with extended multiindex Bessel-Maitland function", Malya Journal of Matematik Vol. 7, pp. 206-212, 2019.

11. Owais Khan, M. Kamarujjama and N.U. Khan, "Certain integral transforms involving the product of Galue type Struve function and Jacobi polynomials" Palestine Journal of Mathematics, Vol. 8, pp. 191–199, 2019.

Paper Under Review

- Owais Khan, M. kamrujjama and N.U. Khan, "Integral and series representations of extended Voigt function in terms of polynomials and numbers" Applicable Analysis and Desecrate Mathematics, 2018 **(In Under 2nd Review) [@ SCI IndexedJournal]**

- Owais Khan, R. Nadeem, K.S. Nisar, "On certain new integral associated with hypergeometric function and Laguerre polynomials" Journal of Computational and Applied Mathematics, **(In Under review) [@ SCI Indexed Journal]**

- M. Kamarujjama, Owais khan and Mohannad A Khan, "Unified representations of Voigt function associated with families of special functions" Proceeding of NASA: Physical Sciences, 2018 **(In Under Review) (©Springer Publisher)**

- N.U. Khan, Owais Khan and M. Kamrujjama, "A new extension of multi-index Bessel function" Turkish Journal of Mathematics, 2019 **(In UnderReview)**

- M. Kamarujjama, N.U. Khan and Owais Khan, "Evaluation of Euler integrals involving K- Mittag-Leffler function of two variables" South East Asian Bulletin of Mathematics, 2018 **(In UnderReview)**

- Owais Khan, Mohd Aman, Mohd Saif and Raghib Nadeem, "Euler integrals involving k- Mittag-Leffler-type function" Trans. Natl. Acad. Sci. Azerb. Ser. Phys-Tech. Math. Sci. Mathematics, 2019 **(In UnderReview)**

- N.U. Khan, Talha Usman, Mohd Aman and Owais Khan, "Fractional calculus and solution of fractional kinetic equations involving hypergeometric function" Inter. Nation. Appl. Comput. Math., 2019 (**In Under Review) (©SpringerPublisher)**

- MohdSaif, Mohd Aman and Owais khan, "A modified Laguerre polynomials", Applied Mathematics Letter, 2019 (**In Under Review) (©Elsevier Publisher)**

- Owais Khan, A note on parametric type polynomials, 2019 (**In Under Review).**

PAPERS IN Progress

1. Owais Khan, "Computation of solution of fractional kinetic equations via Sumudu transforms".
2. Owais Khan, "A note on parametric type Genocchi polynomials,"

Workshop/Conferences & Presentation

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

2. Attended Webinar "International Science and Technology Online Lecture Series", ICTOLS-2020 held at Anand International College of Engineering, JAIPUR during 06- 07 June, 2020, India.

3. Attended Workshop "International course on Orthogonal polynomials: from one to several variables**",** *ICOP-2019* held at Anand International College of Engineering, JAIPUR during 05- 07 March, 2019,India.

4. Attended & presented paper in "International conference on Special functions and Applications**,** *ICSFA-2018* held at AmalJyothi College of Engineering, Kangjirappaly, and KERALA during 22-24 November, 2018,India.

5. Attended & presented paper in "International conference on Algebra and AppliedAnalysis**",** *ICAAA-2018* held at Integral University, LUCKNOW during 09-08 August, 2018, India.

6. Attended & presented paper in "International conference on Special functions and Applications**",** *ICSFA-2017* held at College of Engineering & Technology, RAJASTHAN during 02-04 November, 2017, India.

7. Attended & presented paper in "International conference on Special functions and Applications**",** *ICSFA-2016* held at Jamia Millia Islamia University, NEW DELHI during 09-11 September, 2016,India.

8. Attended Workshop on "Research Methodology**"** held at Sir Syed Hall North, ALIGARJH, 12 March, 2016,India.

Courses & Subject Taught ───────────────────

✓ Courses :

- Post Graduate Level: Master of Technology (M.Tech) & Master of Mathematics (M.Sc.).
- Under Graduate Level: Bachelor of Technology (B.Tech.), Bachelor of Science (B.Sc.). Bachelor of Computer Sciences (BCA) & Bachelor of commerce (B.Com)

✓ University & College

- Taught Postgraduate students: Differential Equations. Numerical analysis & complex analysis, Metric space.

- Taught Undergraduate Students: Calculus, Differential equations, numerical analysis, statistics & Probability

Professional Activities

Associations MEMBER

1. Member of Society of Special functions and their Applications (SSFA).
2. Member of International Association of Engineers (IAENG).
3. Member of National Association of Mathematics (NAM).
4. Member of Indian Mathematical Society (IMS).
5. Member of Ramanujan Mathematical Society (RMS).

EXTERNAL REVIEWER

1. Reviewed in American Mathematical Society.
2. Reviewed in European Journal of Pure and Applied Mathematics.
3. Reviewed in Journal of Egyptian Mathematical Society.
4. Reviewed in International Journal of Mathematical Physics.
5. Reviewed in Advances In Difference Equations.
6. Reviewed in Journal of Inequality and Applications
7. Reviewed in Caspian Journal of Mathematics.
8. Reviewed in Discrete Dynamics in Nature and Society.

General Information ──────────────────────

1. Nationality: Indian Citizen.
2. Passport No: R 4 8 5 2 2 44

3. Language Known: English, Hindi and Urdu.
4. Date of Birth (DOB): 26 August 1994.
5. My Hobbies: Cricket, Traveling, Walk in free time, Interaction with newpeoples.

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References

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