

# CURRICULUM VITAE

## ***Dr. IDREES AHMAD KHAN***

*Assistant Professor*

Department of Mathematics & Statistics

Integral University, Lucknow – 226026 ( U.P.) India

Contact No. +91-8840096432, +91-9151320140

E-mail: [idrees@iul.ac.in](mailto:idrees@iul.ac.in)

[idrees\\_maths@yahoo.com](mailto:idrees_maths@yahoo.com)

[Khanidrees077@gmail.com](mailto:Khanidrees077@gmail.com)



---

---

---

### ACADEMIC QUALIFICATIONS:

Name of Examinations	Subjects	Board/Univ.	Year	Division	Percentage
Ph.D	Applied Mathematics	AMU Aligarh, India (Central University)	2014	Awarded	Awarded
M.Phil	Applied Mathematics	AMU Aligarh, India (Central University)	2006	I <sup>st</sup>	73%
M.Sc.	Mathematics	AMU Aligarh, India (Central University)	2003	II <sup>nd</sup>	55.68%
B.Sc.	Mathematics	M.J.P. Rohilkhand University, Bareilly	2001	I <sup>st</sup>	62%

**Ph.D. Title:** “Degree of Approximation by Fourier Series”

**Supervisor:** Prof. Huzoor H. Khan

**M.Phil. Title:** “Fixed Points Theorems by Contractive Mappings”

**Supervisor:** Dr. Mohd. Din Khan

### FIELD OF SPECIALIZATION AND INTEREST

- Functional Analysis and Approximation Theory.

### COURSES TAUGHT:

- Real Analysis

- Differential Equations
- Engineering Mathematics
- Numerical Analysis

### TEACHING EXPERIENCE:

- **Presently Working** as an Assistant Professor in the Department of Mathematics, Integral University, Lucknow, since **26 August, 2014**.
- Worked as a PGT Teacher (Mathematics) in Iqra Public School, Aligarh in session 2012-14.
- Taught B.Tech. classes in the Department of Applied Mathematics, Faculty of Engineering & Technology, AMU, Aligarh in the session 2011-12.

### LIST OF PUBLISHED RESEARCH PAPERS

1. Degenerate polyexponential- Genocchi numbers and polynomials, **Journal of Mathematics and Computer Science, Vol.22, (2021), 381-391.**
2. Fuzzy  $\Theta_f$ -contractive mappings and their fixed points with applications, **Journal of Intelligent & Fuzzy Systems, Vol. 39, No.5, (2020), 7097-7106.**
3. Apostol type  $(p, q)$  Frobenius -Eulerian polynomials and numbers, Afrika Matematika, Vol. 32, (2020), 115-130.
4. Multifarious results for  $q$ -Hermite based Frobenius type Eulerian polynomials, **Notes on Number Theory and Discrete Mathematics, Vol.26, No.2, (2020), 127-141.**
5. Employing Locally Finitely  $T$ - Transitive Binary Relations to Prove Coincidence Theorems for Nonlinear Contractions, **Journal of Function Spaces, (2020), 12 pages, Hindawi.**
6. On Certain Integral Transforms Involving Generalized Bessel-Maitland Function, **J. Appl. & Pure Math. Vol. 2, No. 1 – 2, (2020), 63 – 78.**
7. Degenerate Hermite poly-Bernoulli numbers and polynomials with  $q$ -parameter, **Stud. Univ. Babeş-Bolyai Math. Vol. 65, No. 1, (2020), 3-15.**
8. A Note On  $(p, q)$ -Analogue Type of Frobenius- Genocchi Numbers And Polynomials, **East Asian Math. J., Vol. 36, No. 1, (2020), 13-24.**
9. Study on double integral operator associated with generalized Bessel-Maitland function, **Palestine Journal of Mathematics, Vol. 9, No.2, (2020), 991-998.**
10. On certain integral transform involving generalized Bessel-Maitland function and applications, **Journal of Fractional Calculus and Applications, Vol. 11, No. 1 – 2, (2020), 82 – 90.**
11. A note on  $q$ -analogue of Hermite-poly-Bernoulli numbers and polynomials, **Mathematica Moravica, Vol.23, No.2, (2019), 1-16.**
12. Relation-theoretic coincidence and common fixed point results under  $(F,R)g$ -contractions with an application, **Fixed Point Theory and Applications, No.12, (2019), 1-18, Springer.**

13. Sufficiency for general hypergeometric transform associated with conic region, *New Trends in Mathematical Sciences*, **Vol.17, No.2, (2019), 179-187.**
14. New fuzzy  $\phi$ -fixed point results employing a new class of fuzzy contractive mappings, ***Journal of Intelligent & Fuzzy Systems*, Vol. 37, (2019), 5391–5402.**
15. Relation Theoretic Common Fixed Points Results for Generalized Weak Nonlinear Contractions with an Application, *Axioms (MDPI)*, **Vol.8, No.49, (2019), 1-20.**
16. Beta type integral operator involving generalized Bessel-Maitland function, ***Tamap Journal of Mathematics and Statistics*, Dec31, (2019), 1-7.**
17. On p-adic integrals for degenerate Hermite-Euler numbers and polynomials, *The Annals of the University of Oradea. Economic sciences*, **Vol.26, No.2, (2019), 119-128.**
18. On higher order  $(p; q)$ - Frobenius-Genocchi numbers and polynomials, ***Journal of Applied mathematics & Informatics*, Vol.37, No.3, (2019), 297-307.**
19. A note on degenerate Hermite-Fubini numbers and polynomials, **30 April, 2019, doi: 10.20944.**
20. Certain results on  $(p; q)$ -Hermite based Apostol type Frobenius-Euler polynomials, **23August, 2019, doi: 10.20944**
21. A new class of Laguerre-based Hermite-Fubini numbers and polynomials, **30 April 2019, doi: 10.20944.**
22. Implicit Summation Formula for 2-Variable Laguerre-Based Poly-Genocchi Polynomials. ***International Journal of Analysis and Applications*, Vol.16, No.6, (2018), 856-867**
23. Weak  $\theta$ -Contractions and Some Fixed Point Results with Applications to Fractal Theory, ***Advances in Differential Equations*, /doi.org/10.1186 (2018), 439, Springer.**
24. Implicit Summation Formula for 2-Variabe Laguerre Based Poly-Genocchi Polynomials, ***International journal of Analysis and Applications*, Vol.16, No.6, (2018), 856-867.**
25. Common fixed point theorems for Matkowski type non-linear contractions in ordered metric spaces, ***Journal of Inequalities and Special Functions*, Vol.9, No.3, (2018), 34-47.**
26. Order-Theoretic Common Fixed Point Results for F-Contractions, ***Bulletin of Mathematical Analysis and Application (BMAA)* Vol.10, No.1, (2018), 80-88.**
27. Common Fixed Point Theorems in metric Spaces by Altering Distance Function, ***Advances in Pure Mathematics*, No.7, (2017), 335-344.**
28. An Alternative Approach For Solving Bi- Level Programming Problems, ***In American Journal of Operation Research*, No.7, (2017), 239-247.**

29. On Unified Integral Associated with the Generalized Mittag-Leffler Function, In **Global Journal of Pure and Applied Mathematics**, Vol.13, No.9, (2017), 4415-4424.
30. On a Modification of Dunkl generalization of Szasz Operators via q-calculus, In **European Journal of Pure and Applied Mathematics**, Vol. 10, No. 5, (2017), 1067-1077, New York.
31. Order-Theoretic Fixed Point Results for  $(\psi, \phi, \eta)_g$  Generalized Weak Contractive Mappings, **Journal of Mathematical Analysis**, Vol. 8, No. 6, (2017), 169-179.
32. Study on double integral operator associated with generalized Bessel-Maitland function, **Palestine Journal of Mathematics**, Vol. 6(1)(2017) , 1–8.
33. Some Properties of Hermite poly-Bernoulli Numbers and Polynomials, **Journal of Applied Mathematics & Information Sciences**, 7 (2016), 1-8, U.S.A.
34. Unique Fixed Point Theorems for Generalized Contractive Mappings in Partial Metric Spaces, **Journal of Function Spaces** (2015), Article ID-960827, 8 pages, Hindawi Publishing Corporation.
35. On the degree of approximation of signals of  $Lip(\alpha, r)$ ,  $(r \geq 1)$  class by almost Riesz means of its Fourier series, **Journal of Classical Analysis** 4(1) (2014), 79-87
36. An extension of the degree of Approximation of Jackson type Operators **International Journal of Scientific and Engineering Research (IJSER)** 4(9) (2013), 977-1000.
37. Approximation of signals by Product summability  $(C, 1)$   $(E, q)$  transform, **Asian Journal of Mathematics and Statistics**, 6(1) (2013), 12-22, New York, USA.
38. Approximation of signals (Functions) belonging to  $Lip(\xi(t), r)$  class by  $C^l.N_p$  summability method of conjugate series of its Fourier series, **Bulletin of Mathematical Analysis and Application (BMAA)** 5(3) (2013), 1-10.
39. Trigonometric approximation of signals belonging to  $Lip(\xi(t), r)$  the class by  $(E, q)$ ,  $(q>0)$  means of the conjugate series of its Fourier series, **Advances in Pure Mathematic (Scientific Research Open Access Journal (APM))**, 3(2013), 353-538.
40. Approximation by Cesaro means of product of two Laguerre polynomials, **International Journal of Maths. Analysis**, 6(24) (2012), 1163-1172, (Bulgaria).

**PAPER PRESENTED IN CONFERENCES**

1. **Presented Paper Entitled:** “On certain integral transform involving generalized Bessel maitland function and applications” in the International Conference on Frontiers in Pure and Applied Science (FPAS-2024), Khandelwal College of Management Science and Technology (KCMT), Bareilly, April 5-6, 2024.
2. **Presented Paper Entitled:** “Implicit Summation Formula for 2-Variable Laguerre-Based Poly-Genocchi Polynomials,” in the International Conference on Mathematical Techniques and Applications, LNCT group of Colleges, Bhopal, June 13, 2020.
3. **Presented Paper Entitled:** “Common fixed point theorems for Matkowski type non-linear contractions in ordered metric spaces,” in the International Conference on Algebra and Applied Analysis (ICAAA), Department of Mathematics, Integral University, Lucknow, August 9-11, 2018.
4. **Presented Paper Entitled:** “Trigonometric Approximation of Signals Belonging to  $Lip(\xi(t), r)$  the class by  $(E, q)$ , ( $q > 0$ ) means of the conjugate series of its Fourier series,,” in the International Conference on Analysis and Applications (ICAA – 2017), Department of Mathematics, AMU, Aligarh 202002, November 20-22, 2017.
5. **Presented Paper Entitled:** “Approximation by Cesaro Means of Products of Two Laguerre Polynomials,” in the national Conference on Mathematical Analysis & Applications, Department of Mathematics & Astronomy, University of Lucknow, Lucknow, November 18-19, 2017.
6. **Presented Paper Entitled:** An extension of the degree of approximation of Jackson type operators,” in the national Conference on Mathematical Analysis & Applications, Department of Mathematics & Astronomy, University of Lucknow, Lucknow, November 18-19, 2015.
7. **Presented Paper Entitled:** “Approximation of signals by Product summability  $(C, 1)$   $(E, q)$  transform,” in the International Conference on Recent Advances in Mathematical Biology, Analysis and Applications (ICMBAA – 2015) Department of Applied Mathematics, AMU, Aligarh 202002, June 4-6, 2015.
8. **Presented Paper Entitled:** “On the Degree of Approximation of Signals of  $Lip(\alpha, r)$ , ( $r \geq 1$ ) class by almost Riesz Means of its Fourier Series” in the International Conference on Algebra, Geometry, Analysis and their Applications (ICAGAA-14) Department of Mathematics, Jamia Millia Islamia, New Delhi – 110025., Nov. 27-29, 2014.

9. **Presented Paper Entitled:** “On the degree of Approximations functions” Applied College of Management and Engineering, NH-2, Delhi Mathura Road, Palwal Haryana. 24-25, Feb., 2011.
10. **Presented Paper Entitled:** “On the degree of Approximations of functions”  
S.V National Institute of Technology, Surat, 27-30, December, 2010.

### **CONFERENCE/WORKSHOP ATTENDED**

1. Participated in National Seminar on “Mathematical and Statistical Computing”, Department of Mathematics & Statistics, Integral University Lucknow, **May 04, 2024.**
2. Participated in National Workshop online “Brain Balancing and Hypnosis”, Department of Mathematics, Ramanujan College, University of Delhi, **Oct 13, 2023.**
3. Participated in National Conference on “Education and Development- Empowering and Uplifting the Underprivileged”, Central Auditorium, IUL, Integral University, Lucknow, **April 29-30, 2023.**
4. Participated on Global Webinar on “Teaching Competency through Micro Teaching Skills”, Department of Education, Integral University Lucknow, **14 Feb to 2 Mar, 2023.**
5. Participated in National Seminar on “Vedic Mathematics and its Applications”, Department of Science and Humanities, Hindusthan College of Engineering and Technology Coimbatore, **June 12, 2020.**
6. Participated in National Seminar on “On Recent Trends in Mathematics”, Department of Mathematics, Govt. Holkar Science College Indore, **June 11, 2020.**
7. Participated in International Conference on “Jobs for the Next Five years”, Integral University Lucknow, **June 06, 2020.**
8. Participated on Global Webinar on “Teaching Competency through Micro Teaching Skills”, Department of Education, Integral University Lucknow, **14 Feb to 2 Mar, 2023.**
9. Participated in an International Conference on ‘Algebra and Applied Analysis’ as a program coordinator, Department of Mathematics, Integral University, Lucknow, August 9-11, 2018.
10. Participated in faculty Development Programme (**FDP**) on “**Xcel in Excel**” organized by Department of Computer Science & Engineering, Integral University Lucknow **May 22-28, 2018.**
11. Participated in an International Symposium on ‘Algebra, Analysis and their Applications’ as a organizing committee member, Department of Mathematics, Integral University on **December 22, 2017.**

12. Participated in National Workshop on “Role of Mathematics in Science and Technology”, Department of Mathematics, Integral University on **April 10, 2017**.
13. Participated in National Workshop on “Data Analysis by SPSS”, Department of Mathematics, Integral University on **February 25, 2015**.
14. International Conference on Recent Trends in Algebra and Analysis with Applications, Aligarh Muslim University, (AMU), Aligarh Feb, 12-14, 2014.
15. Training Programme on Nonlinear Analysis With Applications to Optimization and Game Theory, 16-19, November, 2011, Department of Mathematics, Aligarh Muslim University (AMU), Aligarh.
16. International Conference on Analysis and its Applications (ICAA), Department of Mathematics, Aligarh Muslim University (AMU), Aligarh 19-21, November 2011.
17. International conference on recent trends in mathematics and its applications (ICRTMA- Department of Mathematics, Jamia Millia Islamia (JMI) , New Delhi, 30-31, March, 2009.
18. International Conference on Analysis and its Applications (ICAA), Department of Mathematics, Aligarh Muslim University (AMU), Aligarh 3-5, November 2008.

### **ORIENTATION/REFERESHER PROGRAMME ATTENDED**

1. Participated in the **Orientation Programme CXLII (OP-142)** from **24 May 2016 to 20 June 2016** by **UGC/HRDC** in Aligarh Muslim University, (AMU), Aligarh.
2. Participated in the **Refresher Course** from **23 June 2018 to 13 July 2018** by **UGC/HRDC** in Aligarh Muslim University, (AMU), Aligarh.
3. Participated in the **Refresher Course** from **23 Sept 2023 to 09 Dec 2023** by Department of Mathematics & Statistics /**HRDC** Integral University, Lucknow.

### **PERSONAL INFORMATIONS:**

Name	:	IDREES AHMAD KHAN
Father's Name	:	(LATE) NAWAB ALI KHAN
Mother's Name	:	(LATE) RIYAZA BEGUM
Permanent Address	:	Mohalla Jalandhary Sarai, Near Androoni Masjid, Budaun-243601, U.P, India
Date of Birth	:	June 01, 1982
Marital Status	:	Married

Computer Skills : MS Word, Latex, C Language, Internet surfing  
Language Known : Hindi, English & Urdu  
Skype ID : idrees.ahmad133@skype.com

## DECLARATION

I hereby declare that all the informations given above are true to the best of my knowledge.

## REFERENCES:

- 1. Dr. Huzoor H. Khan**  
Professor  
Department of Mathematics  
AMU, Aligarh  
09457659143  
Email: huzoorkhan@yahoo.com
- 2. Dr. M. Imdad**  
Professor  
Department of Mathematics  
AMU, Aligarh  
09897260980  
Email: mhimdad@gmail.com
- 3. Dr. Vishnu Narayan Mishra**  
Department of Mathematics  
S.V. National Institute of Technology, Surat  
09913387604  
Email: vishnu\_narayanmishra@yahoo.co.in

PLACE: Lucknow, India

*(Idrees Ahmad Khan)*



