Curriculum Vitae

Dr. Mohammad Asif
138/3/1, 4th Floor,
Opp. Axis Bank ATM,
Kishangarh, Vasantkunj,
New Delhi-110070.
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Teaching Experience

(a) Assistant Professor

Nov 2022 *to* till date	: Zakir Husain Delhi College Evening, University of Delhi.

(b) Assistant Professor (on Ad-hoc Basis)

Feb 2016 *to* Nov 2022	: Zakir Husain Delhi College Evening, University of Delhi.
Jul 2013 *to* Feb 2016	: Kalindi College, University of Delhi.
Jan 2013 *to* Feb 2013	: A.M.U., Aligarh.
Jul 2012 *to* Nov 2012	: Miranda House, University of Delhi.

(c) Guest Lecturer

Jan 2017 *to* Nov 2017	: Taught M.Sc./M.A., at N.C.W.E.B., University of Delhi.
Aug 2014 *to* Nov 2014	: Taught M.Sc./M.A., at N.C.W.E.B., University of Delhi.
Jan 2014 *to* Nov 2015	: Zakir Husain Delhi College Evening, University of Delhi.
Feb 2013 *to* May 2013	: A.M.U., Aligarh.
Feb 2012 *to* May 2012	: A.M.U., Aligarh.

Academic Qualifications

NET with J.R.F.

Subject Area	:	Mathematical Sciences
Exam Conducted by	:	UGC-CSIR
Year of Award	:	June 2005

Ph.D. in Applied Mathematics

Topic of Thesis	:	*On Some Problems of Special Functions*
Area of Research	:	Special Functions
University	:	A.M.U., Aligarh
Date of Award	:	September 29, 2011

M. Phil. in Applied Mathematics

Topic of Dissertation	:	*On Generalized Bessel Functions and Voigt Functions*
Area of Research	:	Special Functions
University	:	A.M.U., Aligarh
Year of Award	:	2005

M. Sc. in Mathematics

University	:	A.M.U., Aligarh
Year of Passing	:	2003

B. Sc. (H) in Mathematics

University	:	A.M.U., Aligarh
Year of Passing	:	2001

Intermediate (Science stream)

Board	:	U.P. Board, Allahabad
College\School	:	L.D.A.V. Inter College, Anupshahr (Bulandshahr)
Year of Passing	:	1998

High School (Science stream)

Board	:	U.P. Board, Allahabad
College\School	:	L.D.A.V. Inter College, Anupshahr (Bulandshahr)
Year of Passing	:	1996

Administrative/Departmental Responsibilities

- Convenor OBC admission June 05, 2023.
- Member of the Ambedkar Study Circle May 02, 2023.
- Appointed as a Paper setter for the paper *"Analysis", B.A.(P) 4th Semester, April 2023.*
- Teacher in charge of the Department of Mathematics, Zakir Husain Delhi College Evening since Nov 09, 2022 to April 30, 2023.
- Member of college website monitoring committee Dec 20, 2023.
- Member of the admission committee for B.A. (P) *Economics+Mathematics* since 2016, Zakir Husain Delhi College Evening, University of Delhi.
- Member of the SC, ST, OBC, EWS, PwBD Sub-committee, for the admission-2022 of the undergraduate helpdesk.
- Member of the Proctorial Board, appointed by the Staff Council held on 17.05.2022, Zakir Husain Delhi College Evening, University of Delhi.
- Member of the Anti-ragging Committee 2022, Zakir Husain Delhi College Evening, University of Delhi.
- Member of the NAAC committee, Zakir Husain Delhi College Evening, University of Delhi.
- Teacher in charge of the Department of Mathematics, Zakir Husain Delhi College Evening 2016-2017.
- Convenor of the Mathematics' annual event "Sifer" since 2017, Zakir Husain Delhi College Evening.
- Appointed as an Internal Practical Examiner for the paper *"Numerical Methods"*, IInd Semester Nov 2014, Department of Mathematics, Kalindi College, University of Delhi, New Delhi.
- Appointed as an External Practical Examiner for the paper *"Numerical Methods"*, IInd Semester, Nov 2014, Department of Mathematics, Kalindi College, University of Delhi, New Delhi.
- Appointed as a Paper setter for the paper *"Mathematics and Statistics", B.Sc.(H) life sciences I^{st} Semester, September 17, 2014.*
- Appointed as Foundation course Co-ordinator of *"Building Mathematical Abilities"*, I^{st} & IInd Semester *FYUP*, Department of Mathematics, Kalindi College in the session 2013-2014.
- Appointed as an Internal Practical Examiner for the paper *"Numerical Methods and Programming", IInd Semester, Nov 2013, Department of Mathematics, Kalindi College, University of Delhi, New Delhi.
- Appointed as an Internal Practical Examiner for the paper *"Analysis V (Complex Analysis)"*, VIth Semester April 2013, Department of Mathematics, Kalindi College, University of Delhi, New Delhi.
- Appointed as an External Practical Examiner for the paper *"Analysis V (Complex Analysis)"*, VIth Semester Nov 2013, Department of Mathematics, Zakir Husain Delhi College, University of Delhi, New Delhi.

Research Interest

Special Functions, *q*-Analysis, *q*-Commutations, Exponential Operators, Lie Theory, etc.

Publications
(a) Research Papers
- A Note on Generating Function of q-Gottlieb Polynomials, **Commun. Korean Math. Soc**. Vol 27, 1(2012), 159-166.*ISSN*: 0304-9914 (print); *ISSN*: 2234-3008 (Online)
- Jacobi Type and Gegenbauer Type Generalization of Certain Polynomials, **Matematički Vesnik**, Vol 64, 2 (2012), 147–158.*ISSN:* 0025-5165
- Shift Operators on the Base a ($a > 0; \neq 1$) and Pseudo-Polynomials of Fractional Order, **Int. J. of Math. Analysis,** Vol 5, 3(2011), 105–117. *ISSN: 1312-8876 (print); ISSN: 1314-7579 (online).*
- Generalized Operational Methods, Fractional Operators and Special Polynomials, **Math. Sci. Res. J.**, Vol 15, 7(2011), 196-217. *ISSN :1537-5978.*
- q-Analogue of Exponential Operators and Difference Equations, ***Kyungpook Mathematical J**., Vol 53, 3(2013), 349-369. ISSN : 1225-6951 (Print); ISSN : 0454-8124(Online).*
- Shift Operators on the Base a ($a > 0; \neq 1$) and Monomial Type Functions, **Int. Trans. in Math. Sci. and Comp.,** Vol 2, 2(2009), 453–462. *ISSN: 0974-5068.*
- q-Analogue of the Operational Methods, Fractional Operators and Special, **I.J.S.R.** Vol 3, 7(July 2014), 2003-2012. *ISSN*: 2319-7064.
- Generalized q-Shift Operators and Monomial Type Functions, ***Int. Trans. In Math. Sci. and Comp.,** Vol. 2, (2009) 453-462. ISSN: 0974-5068.*
- Generalized Exponential Operators and Difference Equations, ***Italian J. of Pure and App. Mathematics,** Vol. 33, (2014), 15-34.ISSN: 2239-0227.*
- A Note On Some Generating Functions of q-Polynomials, ***Thai J. of Mathematics**. ISSN: 1686-0209.*
- On Some Generating Functions Of Certain q-Polynomials, Communicated for publication.

(b) Books
- On Some Problems of Special Functions, LAP LAMBERT publishing house, Germany 2012. ISBN 978-3-8484-0897-9.
- On Generalized Bessel Functions and Voigt Functions, LAP LAMBERT publishing house, Germany 2012. ISBN 978-3-8484-4771-8.
- Operator Theory, A.P.H. Publication, New Delhi, 2015. ISBN 978-9-3313-2436-8.

Refresher Courses / Conferences / Workshops / Seminars / Symposia Participation
- Attended One Month long Faculty Induction Programme Organised by CPDHE (UGC-HRDC), D.U. from January 18, 2023 to February 20, 2023.
- Workshop on Vedic Mathematic, Value Addition Courses Committee, University of Delhi in collaboration with Kirori Mal College, D.U. April 11, 2023 to April 13, 2023.
- Attended two week refresher course organized by the Teaching Learning Centre, Ramanujan College University of Delhi, under the aegis of PMMMNMTT, MHRD, GOI, April 29, 2023 to May 13, 2023.
- One week national Workshop on Mathematical Modelling with Simulation in Applied Sciences, DST-SERB sponsored, Central University of Haryana 22-05-2023 to 26-05-2023.
- One day National Workshop on Cryptography : A Recent Trend In Mathematics, Organised by Ram Lal Anand College, University of Delhi, Nov 09, 2022.
- Attended two week refresher course organized by the Teaching Learning Centre,

Ramanujan College University of Delhi, under the aegis of PMMMNMTT, MHRD, GOI, Aug 31, 2021 to Sep 14, 2021.

- Participated in the international symposium on "Recent Advances in Fractional Calculus", Organized by the P.D.P.I.A.S., Charotar University of Science and Technology (CHARUSAT), Changa, Gujarat, Sep 30, 2021 to Oct 01, 2021.
- Participated in the Faculty Development Program (FDP) on LATEX and Xfig. organized by A.N. college Patna in association with IIT Bombay under the aegis of National Mission on Education through ICT, MHRD, GOI, May 11-17, 2020.
- Attended Faculty Development Program (FDP) Pedagogy for online and blended teaching learning process, conducted by IIT Bombay, under the aegis of PMMMNMTT, MHRD, GOI, Sep 14, 2017 to Oct 12, 2017.
- Capacity Building Workshop on e-content Creation, held at Institute of Lifelong Learning, University of Delhi, Oct. 28, 2016.
- Participated in workshop on LATEX, held at Department of Mathematics, Hansraj College, University of Delhi, April 09, 2016.
- A paper was presented in the International Conference on Special Functions & their Applications (ICSFA-2014), held at Thaper University, Patiala, India, Oct 16-18, 2014.
- Participated in workshop on Elliptic Equations: Variational Formulation & Numeric [EEVFN-2013] held at Department of Mathematics, L.N.M.I.I.T, Jaipur.
- A paper was presented in the International Conference on Special Functions & their Applications (ICSFA-2012), held at SVNIT Surat India, June 27-29, 2012.
- Participated in International Congress of Mathematicians (ICM-2010), held in Hyderabad, India, Aug 19-27, 2010.
- Participated in the International Conference on Analysis and it's Applications (ICAA-08) held at the Department of Mathematics, Aligarh Muslim University, Aligarh India, Nov. 3-5, 2008.
- Participated in Conference On Recent Trends in Algebra & Analysis, held at the Department of Mathematics, Aligarh Muslim University, Aligarh India, Mar 03-05, 2003.

Membership
- Life membership of the Society for Special Functions and their Applications (SSFA).

Scientific Computing Skills
Mathematica, Matlab, R-software, T.O.R.A. software, LATEX, etc.

Personal Information

Father's Name : Mr. Abdul Aziz

Date of Birth : 15/09/1981

Marital Status : Married

Language Known : English, Hindi, Urdu.

Date: 26/07/2023   Dr. Mohammad Asif