

Curriculum Vitae

Dr. Subuhi Khan

Professor

Department of Mathematics

Aligarh Muslim University, Aligarh- 202002 (U.P.), India

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Qualifications: M. Sc., M. Phil., Ph. D. (Mathematics)

Designation: Professor (Full)

Father's Name: Late Mr. M. A. Samad

Husband's Name: Prof. Kaleem Raza Kazmi

Nationality: Indian

Place & Date of Birth: Etah (U.P.), 1st February 1967

Marital Status: Married

Address for Correspondence: Department of Mathematics
Aligarh Muslim University
Aligarh-202002(UP), India

Residence Address: 4/76 K, B-1 Crown Apartments, Kabir Colony
Anoop Shahar Road, Aligarh-202 002, India

Academic Qualifications

- **Ph. D. (Mathematics) Degree:** 1993 from Aligarh Muslim University, Aligarh, India.
- **M. Phil. (Mathematics) Degree:** 1990 with **80.2% Marks** from Aligarh Muslim University, Aligarh, India.
- **M. Sc. (Mathematics) Degree:** 1987 with **77.6% Marks** and **First Rank in University** from Aligarh Muslim University, Aligarh, India.
- **B. Sc. (Hons.) (Mathematics) Degree:** 1985 with **72.3% Marks** and **First Rank in University** from Aligarh Muslim University, Aligarh India.
- **Pre University (Science) Certificate:** 1982 with **68.8% Marks** from Aligarh Muslim University, Aligarh India.
- **High School (Science) Certificate:** 1981 with **68% Marks with First Position (Science Stream) in College** from U.P. Board, Kanpur, India.

Title of M. Phil. Dissertation: Lie Groups and Special Functions.

Title of Ph.D. Thesis: Lie Theory of Hypergeometric Functions and Integral Operators. (1993)

Fields of Specialization and Research Interests

Applicable Analysis, Special Functions, Lie-Algebraic and Operational Techniques, Other Related Emerging Areas.

Future Research Interests

Applications of Special Functions in Approximation Theory, Analytic and Geometric Properties of Special Functions,

Research Project

UGC Major Research Project on “Properties of Some Generalized Special Functions of Mathematical Physics” (Project No. F.33-110/2007 (SR)), University Grants Commission, Government of India, New Delhi, India.

Teaching and Research Assignments

- **Professor:** From 15th December, 2009 till date at the Department of Mathematics, Aligarh Muslim University, Aligarh.
- **Associate Professor:** From 15th December, 2006 to 14th December, 2009 at the Department of Mathematics, Aligarh Muslim University, Aligarh.
- **Reader:** From 15th December, 2003 to 14th December, 2006 at the Department of Mathematics, Aligarh Muslim University, Aligarh.
- **Senior Lecturer:** From 15th December, 1998 to 14th December, 2003 at the Department of Mathematics, Aligarh Muslim University, Aligarh.
- **Lecturer:** From 19th October, 1995 to 14th December, 1998 at the Department of Mathematics, Aligarh Muslim University, Aligarh.
- **Lecturer:** From March, 1994 to May, 1994 at Women’s College, Aligarh Muslim University, Aligarh.
- **Research Associate:** From 18th February, 1995 to 18th October, 1995 at the Department of Mathematics, Aligarh Muslim University, Aligarh.

Teaching Experience: 23+Years

Courses/ Papers Taught

PG Level: Complex Analysis, Integral Equations, Special Functions, Partial Differential Equations.

UG Level: Real Analysis, Complex Analysis, Linear Algebra, Differential Equations, Co-ordinate Geometry, Numerical Analysis, Calculus.

Special Achievements

(a) Medals/Prizes

- **Sir Ziauddin Medal.** Awarded for Securing First Rank in M.Sc./M.A. (Mathematics) Course at A.M.U. Aligarh, 1987
- **University Medal.** Awarded for Securing First Rank in B.Sc. /B.A. (Hons.) (Mathematics) Course at A.M.U. Aligarh, 1985
- **V. M. Shah Prize for Best Paper Presented in the Area of Analysis.** Awarded at the 67th Annual Conference of Indian Mathematical Society (IMS), 2001.
- **A.K. Agarwal Prize for Best Publication of the Year 2003.** Awarded at the 5th Annual Conference of the Society for Special Functions and their Applications (SSFA), 2004.
- **Prize for Best Paper Presented in the Area of Pure Mathematics.** Awarded at the Conference on Mathematics, Annual Conference of Bharata Ganita Parisad (BGP), 2004.
- **Honor of Recognition for Achievements and Contributions as a Successful Professional.** Awarded by the International Society of Muslim Women in Science (ISMWS), 2014.
- **Certificate of Recognition for Achievements and Contributions as a Successful Professional.** Awarded by the International Society of Muslim Women in Science (ISMWS), 2017.
- **Distinguished Teacher of the Year Award.** Awarded by the Department of Mathematics, Aligarh Muslim University, 2017. **(For the outstanding research publications and training and inspiring students to advance research).**

(b) Fellowships/Scholarships

- **Italian National Agency for New Technologies, Energy and Environment (ENEA) Research Fellowship.** To work at ENEA Research Center, Frascati, Rome, Italy, for Four Months (15th February- 12th June, 2006).
- **Italian National Agency for New Technologies, Energy and Environment (ENEA) Research Fellowship.** To work at ENEA Research Center, Frascati, Rome, Italy, for Three Months (21st March- 12th June, 2003).
- **Mathematics Research Fellowships 2002 (Visiting Fellowship).** The Abdus Salam International Center for Theoretical Physics, Trieste, Italy.
- **Senior Research Fellowship (CSIR, New Delhi), India. (1990-92)**

(c) **Reviewer, Mathematical Reviews, American Mathematical Society, U.S.A. (Reviewed 37 Articles)**

(d) **Council Member of Executive Committee of the “Society for Special Functions and their Applications” (SSFA), Lucknow, India. (2007-Continue).**

(e) Membership of Academic Bodies

- **Life Member** of International Society of Muslim Women in Science (ISMWS).
- **Founder Member** of the Society for Special Functions and Their Applications (SSFA), Lucknow, India.
- **Life Member** of Indian Mathematical Society (IMS), India.
- **Life Member** of Bharata Ganita Prasad (BGP), Lucknow, India.
- **Founder Member** of Indian Society of Industrial & Applied Mathematics (ISIAM), India.
- **Life Member** of Indian Society for Mathematics and Mathematical Sciences (ISMMS), Gorakhpur, India.

(f) Association with Academic Journals

- **Member of the Editorial Board** of the Journal of Mathematics Research, Canadian Center of Science and Education, Canada.
- **Member of the Editorial Board** of the Proceedings of the Annual Conference of the Society for Special Functions and Their Applications (SSFA).
- **Advisory Member** of International Journal of Applied Mathematics and Modeling, Kindi Publication Open Journals.
- **Advisory Member** of International Journal of Open Scientific Research (IJOSR), Kindi Publication Open Journals.

Reviewer for the Journals

- Applied Mathematics Letters.
- Reports on Mathematical Physics.
- International Journal of Mathematics and Mathematical Sciences.
- Thailand Journal of Mathematics.
- Abstract and Applied Analysis.
- Applied Mathematics and Computation.
- Journal of Computational and Applied Mathematics *etc.*

Organized International Conference on Analysis and Its Applications (ICAA-2015), at the Department of Mathematics, AMU Aligarh, India, 19th-21st December, 2015, (as **Co-Convener**).

Research Supervision

Post-Doctoral Fellow Supervised: 1

- Dr. Naeem Ahmad: PDF of **National Board of Higher Mathematics (NBHM)**, Mumbai, India. (01.10.2012 - 30.09.2015).

Post-Doctoral Fellow Supervising: 1

- Dr. (Ms.) Mumtaz Riyasat: PDF of **National Board of Higher Mathematics (NBHM)**, Mumbai, India. (Joined on 01.02.2017)

Ph. D. Students Supervised: 13

1. Dr. (Ms.) Tabinda Nahid; Ph.D. Topic: “Properties of Certain Hybrid Forms of Special Polynomials and q - Special Polynomials”. (2019)
2. Dr. Shakeel Ahmad Naikoo; Ph.D. Topic: “Certain Results Involving Multi-Variable Forms of Special Functions”. (2019).
3. Dr. Shahid Ahmad Wani; Ph.D. Topic: “A Study of Certain Special Polynomials Using Monomiality Principle and Factorization Method”. (2018).
4. Dr. (Ms.) Mahvish Ali; Ph.D. Topic: “A Study of Certain Hybrid and Generalized Families of Special Functions” (2017)
5. Dr. (Ms.) Mumtaz Riyasat; Ph.D. Topic: “Certain New Families of Special Polynomials Associated with Appell and Sheffer Sequences” (2016).
6. Dr. (Ms.) Nusrat Raza; Ph.D. Topic: “Study of Certain Mixed Type and Matrix Special Functions” (2013).
7. Dr. Ahmed Ali Al-Gonah Saleh; Ph.D. Topic: “Study of Certain Hermite and Laguerre Based Special Polynomials” (2013).
8. Dr. Mustafa Walid Mustafa Al-Saad; Ph.D. Topic: “Study of Properties of Certain Multi-Variable and Mixed Type Special Functions” (2010).
9. Dr. Nader Ali Makboul Hassan; Ph.D. Topic: “Study of Certain Multi-Variable Special Functions Using Operational and Lie Algebraic Techniques” (2008).
10. Dr. (Ms.) Rehana Parveen; Ph.D. Topic: “On Multi Variable Polynomials and Fractional Derivatives” (2007) (guided as co-supervisor).
11. Dr. (Ms.) Archana Mittal; Ph.D. Topic: “Study of Certain Generalized Special Functions through Lie Theoretic and Operational Techniques” (2005).
12. Dr. (Ms.) Babita Agrawal; Ph.D. Topic: “Study of Multiple Gaussian Hypergeometric Series through Operational Techniques” (2005).
13. Dr. (Ms.) Ghazala Yasmin; Ph.D. Topic: “Generating Relations of Some Special Functions Using Representations of Lie Algebras” (2002).

Ph. D. Students Supervising: 4

14. Mr. Shakir Shah; Ph.D. Topic: “A Study of Certain Generalized Special Polynomials and Geometric Properties of Some Special Functions”.
15. Ms. Mehnaz Hanif; Ph.D. Topic: “A Study of Properties of Certain Generalized Forms of Hypergeometric and Bessel Functions”.
16. Mr. Hassan Ali; Ph.D. Topic: “Certain Results for the Families of Special Polynomials Related to Appell Sequences”.

17. Mr. Mohammad Javed; Ph.D. Topic: “A Study of Certain Generalized q -Special Polynomials”.

External Examiner for Ph.D. Thesis: 20

M. Phil. Students Supervised: 10

1. Ms. Tabinda Nahid; M. Phil Topic: “Study of Properties of Certain 2-Variable Special Polynomials Using Lie-Algebraic Methods and Monomiality Principle” (2015).
2. Mr. Shakeel Ahmad Naikoo; M. Phil Topic: “Certain Results for the Bessel and Voigt Functions” (2015).
3. Ms. Mumtaz Riyasat; M. Phil. Topic: “Study of Certain Special Functions Using Wavelet Transforms and Operational Techniques” (2013).
4. Ms. Hibah Islahi; M. Phil. Topic: “Study of Certain Special Polynomials Belonging to Sheffer Family” (2011).
5. Ms. Neha Sharma; M. Phil. Topic: “Study of Some Polynomials Belonging to Appell Family” (2010).
6. Ms. Nusrat Raza; M. Phil. Topic: “On Certain Properties of Some Matrix Special Polynomials” (2009).
7. Ms. Archana Mittal; M. Phil. Topic: “Study of Some Generalized Special Functions through Operational Techniques” (2003).
8. Ms. Ghazala Yasmin; M. Phil. Topic: “Lie Group-Theoretic Approach to Some Special Functions” (2001).
9. Mr. Fakhrudin Khan; M. Phil. Topic: “On Generating Relations Involving Certain Special Functions” (2001).
10. Ms. Shagufta Tarannum; M. Phil. Topic: “Lie Theory and Generating Relations of Some Special Functions” (2000).

M. Sc. Projects & Seminars Guided: 10

M. Sc. Project Guiding: 1

External M. Sc. Projects Guided (2) in 2016 (M. Sc. Physics Students of NIT, Rourkela)

Academic Visits to Foreign Institutions

1. **University of Kent, Canterbury, UK, 3rd-7th July, 2017.**
2. **Zewail City of Science and Technology, Cairo, Egypt, 5th-7th February, 2015.**

3. **Department of Mathematics, College of Science, King Saud University, Riyadh, Saudi Arabia**, 2^{0th}-2^{1st} February, 2013.
4. **Decin Branch of the Czech Technical University in Prague, Decin City, Czech Republic**, 14th-20th August, 2011.
5. **City University of Hong Kong, Hong Kong**, 30th May-3rd June, 2011.
6. **Italian National Agency for New Technologies, Energy and the Environment (ENEA) Research Center, Frascati, Rome, Italy** under ENEA Research Fellowship from 15th February - 12th June, 2006.
7. **Italian National Agency for New Technologies, Energy and the Environment (ENEA) Research Center, Frascati, Rome, Italy** under ENEA Research Fellowship from 21st March - 12th June, 2003.
8. **Italian National Agency for New Technologies, Energy and the Environment (ENEA)-Research Center, Frascati, Rome, Italy**, 16th-24th July, 2002.
9. **Department of Mathematics, Universita di Roma "La Sapienza", Rome, Italy**, 17th July, 2002.
10. **The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy**, 16th May -15th July, 2002.

Edited Proceedings

- **Member, Editorial Board** of the Proceedings of the 13th Annual Conference of the Society for Special Functions and Their Applications (SSFA), Vol. 13 (2014).), (A.K. Agarwal (Editor), M.A. Pathan, **Subuhi Khan** & Meenakshi Rana).
- **Member, Editorial Board** of the Proceedings of 12th Annual Conference of the Society for Special Functions and Their Applications (SSFA), (2013). (A.K. Agarwal (Editor), M.A. Pathan, **Subuhi Khan**, Rashmi Jain, Kantesh Gupta & Ritu Goyal).
- **Member, Editorial Board** of the Proceedings of 10th& 11th Annual Conferences of the Society for Special Functions and Their Applications (SSFA), (2011 & 2012). (A.K. Agarwal (Editor), M. A. Pathan, **Subuhi Khan**, R.K. Yadav, Aiyub Khan, A.K. Shukla & R.K. Jana).
- **Member, Editorial Board** of the Proceedings of 9th Annual Conference of the Society for Special Functions and Their Applications (SSFA), Vol. 9 (2010).), (A.K. Agarwal (Editor), M.A. Pathan, **Subuhi Khan** & Renu Jain)

Published/Accepted Research Papers: 132

Accepted: 07

1. **Subuhi Khan** and Shahid Ahmad Wani, Fractional Calculus and Generalized Forms of Special Polynomials Associated with Appell Sequences. (**Accepted for Publication in Georgian Mathematical Journal**).
[ISSN 1572-9176; SCIE, De Gruyter, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.482]
2. Shahid Ahmad Wani, **Subuhi Khan** and Shakeel Ahmad Naikoo, Differential and Integral Equations for the Laguerre-Gould-Hopper Based Appell and Related Polynomials. (**Accepted for Publication in Boletin de la Sociedad Matematica Mexicana**)
[2296-4495, ESCI, Springer, SCOPUS, Refereed & Indexed Journal].
3. **Subuhi Khan** and Mahvish Ali, A Linear Algebra Approach to Hybrid Sheffer-Appell Polynomials. (**Accepted for Publication in Mathematical Sciences**).
[ISSN: 2251-7456 (Electronic Version), Springer, Refereed & Indexed Journal]
4. **Subuhi Khan**, Shahid Ahmad Wani and Mumtaz Riyasat, Study of Generalized Legendre-Appell Polynomials via Fractional Operators. (**Accepted for Publication in TWMS Journal of Pure and Applied Mathematics**)
[ISSN 2076-2585; ESCI, Natural Sciences, Refereed & Indexed Journal]
5. Mumtaz Riyasat, **Subuhi Khan** and Shakir Shah, Product of Sheffer Sequences: Properties and Examples, **Tbilisi Mathematical Journal**. (In Press)
[ISSN 1512-0139; ESCI, De Gruyter, Refereed & Indexed Journal]
6. **Subuhi Khan** and Tabinda Nahid, Certain Results Associated with Hybrid Relatives of the q -Sheffer Sequences. (**Accepted for Publication in Boletin Sociedade Paranaense de Matematicas**) [ISSN 2175-1188; ESCI, SCOPUS, Refereed & Indexed Journal]
7. Serkan Araci, Mumtaz Riyasat, **Subuhi Khan** and Shahid Ahmad Wani, Some Unified Formulas Involving Generalized-Apostol-Type-Gould-Hopper Polynomials and Multiple Power Sums. (**Accepted for Publication in Journal of Mathematics and Computer Sciences**). [ISSN 2008-949X; International Scientific Research Publications, ESCI, SCOPUS, Refereed & Indexed Journal].

Published: 125

8. **Subuhi Khan** and Shakeel Ahmad Naikoo, Certain Discrete Bessel Convolutions of the Appell Polynomials, **Miskolc Mathematical Notes**, **20** (1) (2019), 271–279. DOI: 10.18514/MMN.2019.2538 [e-ISSN 1787-2413; SCIE, SCOPUS Refereed & Indexed Journal, Impact Factor: 0.388]

9. **Subuhi Khan** and Tabinda Nahid, Numerical Computation of Zeros of Certain Hybrid q -Special Sequences. **Procedia Computer Science (2019), International Conference on Pervasive Computing Advances and Applications- PerCAA 2019. 10.1016/j.procs.2019.05.039.**
[ISSN 1877-0509, Elsevier, SCOPUS, Refereed & Indexed Journal]
10. Mumtaz Riyasat, **Subuhi Khan** and Tabinda Nahid, Quantum Algebra $E_q(2)$ and 2D q -Bessel Functions, **Reports on Mathematical Physics, 83(2) (2019), 191-206.**
[ISSN 0034-4877; SCIE, Elsevier, SCOPUS, Refereed & Indexed Journal, Impact Factor: 0.769]
11. Mahvish Ali and **Subuhi Khan**, Finding Results for Certain Relatives of the Appell Polynomials, **Bulletin of the Korean Mathematical Society, 56(1) (2019), 151-167.**
[ISSN 1015-8634; SCIE, Korean Mathematical Society, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.403]
12. **Subuhi Khan** and Tabinda Nahid, A Unified family of generalized q -Hermite Apostol type polynomials and Applications **Communications in Advanced Mathematical Sciences 2(1) (2019), 1-8.** [ISSN 2651-4001, Refereed & Indexed Journal]
13. Shahid Ahmad Wani and **Subuhi Khan**, Properties and Applications of the Gould-Hopper-Frobenius-Euler Polynomials, **Tbilisi Mathematical Journal, 12(1) (2019), 93-104.** [ISSN 1512-0139; ESCI, De Gruyter, Refereed & Indexed Journal]
14. **Subuhi Khan** and Tabinda Nahid, Finding Non-Linear Differential Equations and Certain Identities for the Bernoulli-Euler and Bernoulli-Genocchi Numbers, **SN Applied Sciences(2019) 1:217.** (<https://doi.org/10.1007/s42452-019-0222-0>).
[ISSN 2523-3971; Springer, Refereed & Indexed Journal]
15. Mumtaz Riyasat, **Subuhi Khan** and Nazim I. Mahmudov, A Numerical Computation of Zeros and Finding Determinant Forms for Some New Families of q -Special Polynomials, **Azerbaijan Journal of Mathematics, 9(2) (2019).**
[ISSN 2218-6816; ESCI, SCOPUS, Refereed & Indexed Journal]
16. Mumtaz Riyasat and **Subuhi Khan**, A Determinant Approach to q -Bessel polynomials and Applications, **Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas (RACSAM)(2018).** (<https://doi.org/10.1007/s13398-018-0568-y>)
[ISSN 1578-7303; SCIE, Springer, SCOPUS, Refereed & Indexed Journal; Impact Factor: 1.074]
17. Serkan Araci, Mumtaz Riyasat, Shahid Ahmad Wani and **Subuhi Khan**, A New Class of Hermite-Apostol type Frobenius-Euler Polynomials and its Applications, **Symmetry10(1)(2018) 1-16.** [ISSN 2073-8994; SCIE, MDPI, SCOPUS, Refereed & Indexed Journal; Impact Factor: 1.256]
18. Mumtaz Riyasat, Deepali Saxena and **Subuhi Khan**, A Note on Laguerre Convolution of Mittag-Leffler Polynomials, **Applications and Applied Mathematics, 13(2) (2018) 1-9.**
[ISSN 1932-9466; ESCI, , Refereed & Indexed Journal]
19. **Subuhi Khan** and Tabinda Nahid, Determinants Forms, Difference Equations and Zeros of the q -Hermite Appell polynomials, **Mathematics 6(11) (2018), 1-16.**

20. **Subuhi Khan**, Tabinda Nahid and Mumtaz Riyasat, On Degenerate Apostol Type Polynomials and Applications, **Boletin de la Sociedad Mathematica Mexicana**. (DOI 10.1007/s40590-018-0220-z) [2296-4495, ESCI, Springer, SCOPUS, Refereed & Indexed Journal].
21. **Subuhi Khan** and Tabinda Nahid, Connection Problems and Matrix Representations for Certain Hybrid Polynomials, **Tbilisi Mathematical Journal** 11 (3) (2018), 81-93. [ISSN 1512-0139; ESCI, De Gruyter, Refereed & Indexed Journal].
22. **Subuhi Khan**, Tabinda Nahid and Mumtaz Riyasat, Partial Derivative Formula and Identities Involving 2-Variable Simsek Polynomials, **Boletin de la Sociedad Mathematica Mexicana**. DOI 10.1007/s40590-019-00236-4. [2296-4495, ESCI, Springer, SCOPUS, Refereed & Indexed Journal].
23. **Subuhi Khan** and Mahvish Ali, A Note on the Harmonic Oscillator Group, Quasi-Monomiality and Endomorphisms of the Vector Spaces, **Reports on Mathematical Physics**, 81(2) (2018), 147-155. [ISSN 0034-4877; SCI, Elsevier, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.769]
24. **Subuhi Khan** and Mahvish Ali, Lie Algebra K_5 and 3-Variable Laguerre Hermite Polynomials, **Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas (RACSAM)** (2018). (<https://doi.org/10.1007/s13398-018-0509-9>) [ISSN 1578-7303; SCIE, Springer, SCOPUS, Refereed & Indexed Journal; Impact Factor: 1.074]
25. **Subuhi Khan**, Shakeel Ahmad Naikoo and Mahvish Ali, Recurrence Relations and Differential Equations of the Hermite-Sheffer and Related Hybrid Polynomial Sequences, **Iranian Journal of Science and Technology Transactions A; Science**, (2018). (<https://doi.org/10.1007/s40995-018-0550-8>) [ISSN 1028-6276; SCIE, Springer, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.757]
26. **Subuhi Khan**, Mahvish Ali and Shakeel Ahmad Naikoo, Finding Discrete Bessel and Tricomi Convolutions of Certain Special Polynomials, **Reports on Mathematical Physics**, 81 (3) (2018), 385-397. [ISSN 0034-4877; SCI, Elsevier, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.769]
27. **Subuhi Khan**, Mehmet Acikgoz, Mahvish Ali, Shahid Ahmad Wani and Asif Khan, Approximation by Operators including the Hybrid Special Polynomials, **Advances and Applications in Mathematical Sciences**, 17(6) (2018), 479-502. [ISSN 0974-6803; ESCI, Mili Publications, Refereed & Indexed Journal]
28. H.M. Srivastava, **Subuhi Khan** and Mumtaz Riyasat, q-Difference Equations for the 2-Iterated q-Appell and Mixed Type q-Appell Polynomials, **Arabian Journal of Mathematics**, DOI 10.1007/s40065-018-0211-y. [ISSN 2193-5343; ESCI, Springer Open, Refereed & Indexed Journal]

29. Mahvish Ali and **Subuhi Khan**, Extended Forms of Certain Hybrid Special Polynomials Related to Appell Sequences, **Bulletin of the Malaysian Mathematical Sciences Society**, (2018).
(<https://doi.org/10.1007/s40840-018-0636-7>)
[ISSN 0126-6705; SCIE, Springer, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.840]
30. Mumtaz Riyasat and **Subuhi Khan**, Some Results on q-Hermite Based Hybrid Polynomials, **Glasnik Matematički**, 53(73)(2018)9-31.
[ISSN 0017-095X; SCIE, Hrvatsko Matematiko Drutvo, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.328]
31. Mumtaz Riyasat, Shahid Ahmad Wani and **Subuhi Khan**, Differential and Integral Equations Associated With Some Hybrid Families of Legendre Polynomials, **Tbilisi Mathematical Journal**, 11 (1) (2018) 127-139.
[ISSN 1512-0139; Project Euclid, ESCI, Refereed & Indexed Journal]
32. **Subuhi Khan** and Shahid Ahmad Wani, A Note on Differential and Integral Equations for the Legendre-Hermite Polynomials, **International Journal of Advance Research in Science and Engineering**, 7(4) (2018), 514-520.
[ISSN (P) 2319-8346; Refereed & UGC Listed Journal]
33. **Subuhi Khan** and Shahid Ahmad Wani, Extended Laguerre-Appell Polynomials via Fractional Operators and their Determinant Forms, **Turkish Journal of Mathematics**, 42 (2018) 1686 – 1697.
[ISSN 1300-0098; SCIE, Scientific and Technical Research Council of Turkey-TUBITAK, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.614]
34. **Subuhi Khan** and Shahid Ahmad Wani, Properties and Applications of Hermite Matrix Exponential Polynomials, **Advances in Intelligent Systems & Computing**, Vol. 712, (Proceedings of the Second International Conference on Computational Intelligence and Informatics). Editors: Vikrant Bhateja *et al.* Volume 712 (2018), 619-626, (https://doi.org/10.1007/978-981-10-8228-3_57)
[ISSN 2194-5357, ISBN 978-981-10-8227-6, Springer Nature Singapore Pte Ltd. SCOPUS].
35. **Subuhi Khan** and Mumtaz Riyasat, Differential and Integral Equations for the 2-Iterated Bernoulli, 2-Iterated Euler and Bernoulli-Euler Polynomials, **Georgian Mathematical Journal**, (2018).
(<https://doi.org/10.1515/gmj-2018-0062>)
[ISSN 1572-9176; SCIE, De Gruyter, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.482]
36. **Subuhi Khan**, Mumtaz Riyasat and Shahid A. Wani, On Some Classes of Differential Equations and Associated Integral Equations for the Laguerre-Appell Polynomials, **Advances in Pure and Applied Mathematics**, (2017).
(<https://doi.org/doi.org/10.1515/apam-2017-0079>)
[ISSN 1869-6090; De Gruyter, ESCI, SCOPUS, Refereed & Indexed Journal]
37. **Subuhi Khan** and Mahvish Ali, Lie Algebra Representations and 1-Parameter 2D-Hermite Polynomials, **Integral Transforms and Special Functions**, 28(4) (2017), 315-327.

[ISSN: 1065-2469; SCIE, Taylor & Francis, SCOPUS, Refereed & Indexed Journal; Impact Factor: 0.828]

38. **Subuhi Khan** and Mahvish Ali, On A Hybrid Family Related to Sheffer Sequences. **Proceedings of the 3rd International Conference on Nano Technology for Instrumentation & Measurement Workshop**, (Editor, **ShabanaUrooj**), Excel India Publishers, New Delhi, India. (2017), 424-426.[ISBN: 978-93-86724-18-2; Refereed]
39. Mumtaz Riyasat, **Subuhi Khan** and Tabinda Nahid, q-Difference Equations for the Composite 2D q-Appell Polynomials and Their Applications, **Cogent Mathematics**, 4:1376972 (2017).
[ISSN 2331-1835; ESCI, Taylor & Francis, Refereed & Indexed Journal]
40. **Subuhi Khan** and Shahid Ahmad Wani, A Note on Differential and Integral Equations for the Laguerre-Hermite Polynomials. **Proceedings of the 3rd International Conference on Nano Technology for Instrumentation & Measurement Workshop**, (Editor, **Shabana Urooj**), Excel India Publishers, New Delhi, India. (2017), 439-441.
[ISBN: 978-93-86724-18-2; Refereed]
41. **Subuhi Khan**, Nusrat Raza and Mahvish Ali, Finding Mixed Families of Special Polynomials Associated with Appell Sequences, **Journal of Mathematical Analysis and Applications**, 447 (2017), 398-418.
[ISSN 0022-247X; SCI, Elsevier, SCOPUS, Refereed & Indexed Journal; Impact Factor: 1.138]
42. **Subuhi Khan** and Mumtaz Riyasat, A Note on q-Bernoulli-Euler Polynomials, **Advances in Intelligence System and Computing**, 652(2018), 91-98.
DOI: 10.1007/978-981-10-6747-1
[ISSN 2194-5357; SCOPUS, Springer]
43. Serkan Araci, Mumtaz Riyasat, Shahid Ahmad Wani and **Subuhi Khan**, Differential and Integral Equations for the 3-Variable Hermite-Frobenius-Euler and Frobenius-Genocchi Polynomials. **Applied Mathematics and Information Sciences** 11(2) (2017), 1-11.
[ISSN 1935-0090; SCIE, Natural Science Publishing, SCOPUS, Refereed & Indexed Journal]
44. **Subuhi Khan**, Mumtaz Riyasat and Ghazala Yasmin, Finding Symmetry Identities for the 2-Variable Apostol Type Polynomials. **Tbilisi Mathematical Journal**, 10(2) (2017), 65–81.[ISSN 1512-0139; ESCI, De Gruyter, Refereed & Indexed Journal]
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Research Papers (Under Review/Communicated/Preprint): (20)

133. Mumtaz Riyasat and **Subuhi Khan**, Several Characterizations of Generalized Appell-Apostol-Type-Frobenius-Euler Polynomials, **Mathematical Reports** (*Under Review*).
[ISSN 2285-3898; SCIE, Refereed & Indexed Journal]
134. Mumtaz Riyasat and **Subuhi Khan**, Differential Equations and Determinantal Approach Related to Extended-Gould-Hopper-Appell Polynomials, **Arab Journal of Mathematical Sciences**. (*Under Review*).
[ISSN 1319-5166; Elsevier, SCOPUS, Refereed & Indexed Journal]
135. Serkan Araci, Mumtaz Riyasat, Tabinda Nahid and **Subuhi Khan**, Certain Results for Unified Apostol-Type-Truncated Exponential-Gould-Hopper Polynomials and Their Relatives, **Journal of Inequalities and Applications**. (*Under Review*)
[ISSN 1029-242X; SCI, Refereed & Indexed Journal, Impact Factor: 0.791]
136. **Subuhi Khan** and Tabinda Nahid, Recursive Formulas and Differential Equation for the Laguerre-Sheffer Polynomials. **Applicable Analysis and Discrete Mathematics**. (*Under Review*)
137. Mahvish Ali, Tabinda Nahid, **Subuhi Khan**, Certain hybrid relatives of the Sheffer Polynomials via Fractional Calculus, **Rocky Mountain Journal of Mathematics**. (*Under Review*)
138. Monairah Omar Alansari, Mumtaz Riyasat, **Subuhi Khan** and K.R.Kazmi, Finding Determinant Forms of Certain Hybrid Sheffer Sequences. (*Communicated for Publication in Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas (RACSAM)*).
139. Mahvish Ali, **Subuhi Khan** and Shakeel Ahmad Naikoo, Finding Hybrid Relatives of the Bessel Polynomials. (*Communicated for Publication in Bollettino dell' Unione Matematica Italiana*)
140. **Subuhi Khan**, Mahvish Ali and Shakeel Ahmad Naikoo, 2D Sheffer-Mittag-Leffler Polynomials: Properties and Examples. (*Communicated for Publication in Bulletin of the Malaysian Mathematical Sciences Society*).
141. **Subuhi Khan**, Ahmed Ali Al-Gonah and Nusrat Raza, Some Properties of Hermite General Matrix Polynomials. (*Communicated for Publication in Journal of Mathematical Society, Japan*).
142. Banu Yilmaz Yasar, Mehmet Ali Ozarslan, **Subuhi Khan** and Shahid Ahmad Wani, Some Families of Differential Equations Associated with the 2-iterated 2D Appell and Related Polynomials. (*Communicated for Publication in Russian Journal of Mathematical Physics*)

143. **Subuhi Khan** and Mahvish Ali, A Linear Algebra Approach to Hybrid Sheffer-Appell Polynomials. (*Communicated for Publication in Cogent Mathematics*).
144. H.M. Srivastava, **Subuhi Khan**, Serkan Araci, Mehmet Acikgoz and Mumtaz Riyasat, A General Class of Three Variable Unified Apostol-Type q -Polynomials and Multiple Power q -Sums. (*Communicated in Bulletin of Iranian Mathematical Society*).
145. **Subuhi Khan** and Tabinda Nahid, Constuction of Some Hybrid Matrix Polynomials Related to Appell Family. (*Communicated for Publication in Bulletin of Iranian Mathematical Society*)
146. H.M. Srivastava, **Subuhi Khan**, Mumtaz Riyasat and Serkan Araci, A new approach to Legendre-Truncated-Exponential Based Sheffer sequences via Riordan arrays. (*Preprint*)
147. **Subuhi Khan** and Mahvish Ali, Certain Identities Involving Sheffer-Appell Polynomials. (*Preprint*).
148. Mumtaz Riyasat and **Subuhi Khan**, Operational Representations, Fractional Calculus and Families of Legendre-Truncated-Exponential Based Sheffer Sequences. (*Preprint*)
149. Subuhi Khan and Mumtaz Riyasat, Fractional Calculus and families of Truncated-Exponential Sheffer Polynomials. (*Preprint*)
150. **Subuhi Khan**, Mumtaz Riyasat and Shahid Ahmad Wani, A New Generalization of Legendre-Laguerre-Appell polynomials: Differential and Integral equations. (*Preprint*).
151. Mumtaz Riyasat, Shahid Ahmad Wani and **Subuhi Khan**, Some Characterizations of the Legendre-Hermite-Apostol Type Frobenius-Euler polynomials and Their Relatives. (*Preprint*).
152. **Subuhi Khan**, Shahid Ahmad Wani, Certain Results for the Extended Sheffer Polynomials: Properties and Examples. (*Preprint*).

Invited Lectures/ Talks: 37

1. “Discrete Appell Convolutions of Certain Special Polynomials, **1st International Conference on Orthogonal Polynomials, Special Functions and Computer Algebra: Applications in Engineering**” (**OPSFCA-2019**), Anand International College of Engineering, Jaipur, India, 5th-7th March, 2019. (Supported by CIMPA, France)
2. “Certain Operators on a Lie Algebra and Double Index Sequences”, **National Conference on Nanoscience and Technologies in Digital India-2018 (NANOTCON-18)**. **Organized** by Department of Electronics and Electrical Engineering, Shobhit Deemed University, Meerut, India. 27th- 28th April, 2018.
3. “Lie algebra Representations and Orthogonal Polynomials”, **3rd International Conference on Nano Technology for Instrumentation & Measurement Workshop**, **Organized** by IEEE, Gautam Buddha University, Greater Noida, India. 16th-17th November, 2017. (**Keynote Speaker**)

4. “Lie-Algebraic Approach to 1-Parameter 2D-Hermite Polynomials”. **International Conference on Special Functions & Applications (ICSFA- 2017)** (16th Annual Conference of SSFA) and **Symposium on Applications of Mathematical Sciences in Engineering Problems**. Organized by Department of Mathematics, Government College of Engineering & Technology, Bikaner, Rajasthan, India, 2nd-4th November, 2017.
5. “Hybrid Sheffer-Appell Polynomials”, **International Conference on Mathematical Analysis and Its Applications (ICAA-2016)**, Department of Mathematics. Indian Institute of Technology, Roorkee, India, 28th November-2nd December, 2016.
6. “Certain Properties of the Gould-Hopper-Sheffer and Related Polynomials”, **The 29th International Conference of Jangjeon Mathematical Society of Number Theory, Special Functions and Its Applications**, Organized by Department of Mathematics, Pondicherry University, Puducherry, India, 8th-10th August, 2016.
7. “Certain Properties and Differential Equations for the 2-Variable Apostol Type Polynomials”, **International Conference on Special Functions & Their Applications (ICSFA- 2015)** (14th Annual Conference of SSFA) and **Symposium on Fractional Calculus & its Applications to Special Functions**. Organized by Department of Mathematics, Amity Institute of Applied Sciences, Amity University, Noida, India, 10th-12th September, 2015.
8. “Lie Algebraic Techniques, Operational Techniques and Special Functions”, Short Term Training Program on **Mathematical Methods for Scientists and Engineers**. Organized by SV National Institute of Technology, Surat, 29th June- 10th July, 2015.
9. “Sustainable Computing”, **9th INDIACom & 2nd International Conference on Computing for Sustainable Global Development**, INDIACom-2015 (IEEE Conference ID: 35071). Organized by Bharti Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi, 11th-13th March, 2015.
10. “From Ramanujan’s Work on Bernoulli Numbers to Mixed Type Numbers” (M. K. Singhal Memorial Lecture), **Chief Guest of National Mathematics Day Celebrations 2014**, B. R. Ambedkar University, Agra, 22nd December 2014.
11. “Certain Special Polynomial Families Related to Sheffer Sequences”, **International Conference on Special Functions & Their Applications (ICSFA- 2014)** (13th Annual Conference of SSFA) & Symposium on “Applications of Mathematics in Engineering Sciences”. Organized by School of Mathematics & Computer Applications, Thapar University, Patiala, India, 16th-18th October, 2014.
12. “Certain Mixed Appell Polynomial Sequences”, **International Conference on Special Functions & Their Applications (ICSFA- 2013)** (12th Annual Conference of SSFA) & Symposium on “Applications in Diverse Fields of Engineering and Technology”. Organized by Departments of Mathematics & Mechanical Engineering, Malaviya National Institute of Technology, Jaipur, India, 13th-15th December, 2013.
13. “New Families of Special Polynomials Associated with Appell Sequences”, **National Conference on Mathematics**. Organized by Bharata Ganita Parisad & Department of Mathematics & Astronomy, University of Lucknow, Lucknow, India, 29th November-1st December, 2013.

14. “Study of New Families of Special Functions Using Operational Techniques”, **National Conference on New Frontiers for Women in Science and Technology**, Jiwaji University, Gwalior, India, 20th-21st March, 2013.
15. “Bernoulli and Euler Based Appell Polynomials and Corresponding Numbers”, **International Workshop on Special Functions and Applications**, Department of Mathematics, College of Science, King Saud University, Riyadh, Saudi Arabia, 20th-21st February, 2013.
16. “Operational Methods and Special Functions”, **Training Program on “Integral Transforms, Wavelets, Distribution Theory & Applications”**. Organized by CIMS-DST, Banaras Hindu University, Varanasi, India, 12th-21st July, 2012.
17. “Some New Families of Special Polynomials through Operational Methods”; **International Conference on Special Functions & Their Applications (ICSFA- 2012)** (11th Annual Conference of SSFA & Symposium on “Life and Works of Ramanujan”). Organized by Department of Applied Mathematics & Humanities, S. V. National Institute of Technology, Surat, India, 27th-29th June, 2012.
18. “Hermite-based and Laguerre-based Appell Polynomials” **15th Annual Conference of Vijnana Parishad of India & A National Seminar on “New Thrust Area in Mathematical Sciences and Technology”**. Organized by Department of Mathematics, D. A-V. College (Affiliated to CSJM University), Kanpur, India, 4th-6th November, 2011.
19. “Some Results Involving Hermite-based Appell Polynomials”, **International Workshop on Special Functions and Orthogonal Polynomials of Lie Groups and their Applications. Decin Branch of the Czech Technical University in Prague, Decin City, Czech Republic**, 14th-20th August, 2011.
20. “Study of Certain Mixed Type Special Polynomials using Operational Methods”; **International Workshop on Special Functions and their Applications (ICSFA- 2011) & Symposium on Works of Ramanujan**. Organized by Department of Mathematics & Statistics, J. N. Vyas University, Jodhpur and Society for Special Functions and their Applications in association with IIET Group of Institutions, Jodhpur, India, 28th-30th July, 2011.
21. Study of Two-Variable Forms of Hermite, Laguerre and Legendre Polynomials Using Lie-Mon Method”, **International Conference on Asymptotics and Special Functions, City University of Hong Kong, Hong Kong**, 30th May- 3rd June, 2011.
22. “Generalized Hermite Matrix Polynomials of Two Variables and Lie Algebraic Techniques”, **Conference on Special Functions and their Applications & Symposium on Computational and Biological Mathematics**, Organized by School of Mathematics & Allied Sciences, Jiwaji University, Gwalior, India, 21st-23rd June, 2010.
23. “Generating Relations of Bessel Functions Using Lie Algebra Representation, **6th National Conference of Indian Society of Mathematics and Mathematical Sciences**, Gorakhpur, India, 20th-21st February, 2009.
24. “Lie Theoretic Approach to Hypergeometric Functions”, **Workshop on Transformation Theory of Ordinary and Basic Hypergeometric Function**, Sponsored by Ministry of Science & Technology and DST, Gorakhpur, India, 14th-19th February, 2009. **(Delivered**

a Lecture as Resource Person).

25. “Multi-Variable Special Polynomials, Lie Methods and Monomiality”, **18th Annual Conference of Jammu Mathematical Society and National Seminar on Emerging Trends in Analysis and Operator Theory**. Organized by Department of Mathematics, University of Jammu, Jammu, 29th February-2nd March 2, 2008.
26. “Lie Algebraic Techniques, Operational Methods and Multi-Variable Special Polynomials”, **International Conference of the Society for Special Functions and their Applications (SSFA)**, Department of Mathematics, MNIT, Jaipur, 15th-16th December. 2007.
27. “Lie-Mon Method and Generalized Legendre Polynomials”, **International Conference on Special Functions & Applications** during 8th Annual Conference of SSFA, CMS, St. Thomas College, Pala, M.G. Univ. Kottayam, Kerala, India, 18th-20th May, 2007.
28. “Lie-Algebraic Techniques, Monomiality Principle and 2-Variable Legendre Polynomials”, **72nd Annual Conference of the Indian Mathematical Society**, Department of Mathematics and Computer Science, R.D. University, Jabalpur, 27th-30th December, 2006.
29. “Study of Laguerre Polynomials Using Monomiality Formalism”, **6th Annual Conference of the Society for Special Functions and their Applications (SSFA)**, Jaunpur, 4th-5th June, 2005.
30. “Legendre Polynomials: Lie Methods and Monomiality, **International Symposium on “New Trends in Mathematical Methods for Engineers”**, **Universita’ degli Studi di Roma “La Sapienza”**, sede di Latina, Latina, Italy, 29th-31st May, 2006.
31. “Lie Algebraic Methods, Monomiality Principle and Generalized Laguerre Polynomials”, **5th Annual Conference of Society for Special Functions and their Applications (SSFA)**, Lucknow, 8th-10th February, 2004.
32. “Monomiality, Lie Algebras and Laguerre Polynomials”, **Italian National Agency for New Technologies, Energy and the Environment (ENEA) Research Center, Frascati, Rome, Italy**, on 30th May, 2003.
33. “Lie Algebraic Approach to Hermite and Laguerre Two-Dimensional Polynomials”, **Conference on Recent Trends in Mathematics and its Applications**. Organized by **Indian Society for Mathematics and Mathematical Sciences**, Gorakhpur, 28th February-1st March, 2003.
34. “Generalized Special Polynomials and Lie Algebras”, **Italian National Agency for New Technologies, Energy and the Environment (ENEA) Research Center, Frascati, Rome, Italy**, on 19th July, 2002.
35. “Lie Algebraic Approach to Special Polynomials”, **Dipartimento di Metematica, Universita di Roma “La Sapienza”**, Rome, Italy, on 17th July, 2002.
36. “Lie Theoretic Generating Relations of Generalized Hermite Polynomials”, **Conference on Emerging Trends in Mathematics**, Department of Mathematics, AMU, Aligarh, 24th-26th March, 2001.

37. "Representation of a Lie group K_5 and Generalization of Hermite Polynomials", **Young Scientist's Session of Indian Science Congress**, University of Jadavpur, Calcutta, 3rd-8th January, 1995.

Refresher and Orientation Courses Attended

- Second 3-Week Refresher Course in Mathematics, UGC Academic Staff College, Jamia Millia Islamia, New Delhi, 16th November -7thDecember, 1999.
- Academic Staff Orientation Programme, Academic Staff College, AMU, Aligarh, 15th May -13th June, 2000.
- Refresher Course in Mathematics, UGC Academic Staff College, AMU, Aligarh, 9th-30th September, 2003.

Conferences/Workshops Attended and Research Papers Presented/Invited Talks Delivered: (67)

1. **1st International Conference on Orthogonal Polynomials, Special Functions and Computer Algebra: Applications in Engineering" (OPSFA-2019)**, Anand International College of Engineering, Jaipur, India, 5th-7thMarch, 2019. (Supported by CIMPA, France) (**Delivered** an Invited Talk and **Chaired** a Session).
2. **National Conference on Nanoscience and Technologies in Digital India-2018 (NANOTCON-18)**. Organized by Department of Electronics and Electrical Engineering, Shobhit Deemed University, Meerut, India, 27th- 28th April, 2018. (**Delivered** an Invited Talk).
3. **1stInternational Conference on Recent Developments in Science, Humanities & Management (ICRDSHM-18)**, Organized by Amar Singh College, Cluster University, Srinagar, 17th-18th April, 2018. (**Participated** and **Presented** a research paper entitled "*A Note on Differential and Integral Equations for the Legendre-Hermite Polynomials*").
4. **International Conference on Analysis and its Applications (ICAA-2017)**, (Under UGC-DRS (SAP-II) Program), Department of Mathematics, Aligarh Muslim University, Aligarh, India, 20th-22ndNovember, 2017.(**Organizing Committee Member, Participated& Chaired** a Session)
5. **3rd International Conference on Nano Technology for Instrumentation & Measurement Workshop (NANOofIM)**, Organized by IEEE, Gautam Buddha University, Greater Noida, India. 16th-17th November, 2017. (**Keynote Speaker** and **Chaired** a Session).
6. **International Conference on Special Functions & Applications (ICSFA- 2017)** (16th Annual Conference of SSFA) and **Symposium on Applications of Mathematical Sciences in Engineering Problems**. Organized by Department of Mathematics, Government College of Engineering & Technology, Bikaner, Rajasthan, India, 2nd-4thNovember, 2017. (**Delivered** an Invited Talk and **Chaired** a Session).
7. **14th International Symposium on Orthogonal Polynomials, Special Functions and Applications (14th OPSFA)**, University of Kent, Canterbury, UK, July 3-7, 2017.

- (**Delivered** a Contributory Talk entitled “Representations of Harmonic Oscillator Lie Algebra and 2-Dimensional Hermite Polynomials”).
8. **International Conference on Mathematical Analysis and Its Applications (ICAA-2016)**, Department of Mathematics. Indian Institute of Technology, Roorkee, India, 28th November-2nd December, 2016. (**Delivered** an Invited Talk).
 9. **The 29th International Conference of Jangjeon Mathematical Society of Number Theory, Special Functions and Its Applications**, Organized by Department of Mathematics, Pondicherry University, Puducherry, India, 8th-10th August, 2016. (**Delivered** an Invited Talk and **Chaired** a Session).
 10. **International Conference on Analysis and its Applications (ICAA-2015)**, (Under UGC-DRS (II) Programme), Department of Mathematics, AMU Aligarh, India, 19th-21stDecember, 2015. (**Co-Convener of the Conference**).
 11. **International Conference on Special Functions & Their Applications (ICSFA- 2015)** (14th Annual Conference of SSFA) and **Symposium on Fractional Calculus & its Applications to Special Functions**. Organized by Department of Mathematics, Amity Institute of Applied Sciences, Amity University, Noida, India, 10th-12th September, 2015. (**Delivered** an Invited Talk and **Chaired** a Session).
 12. Short Term Training Program on **Mathematical Methods for Scientists and Engineers**. Organized by SV National Institute of Technology, Surat, 29thJune- 10th July, 2015. (**Delivered** Lectures).
 13. **9th INDIACom & 2nd International Conference on Computing for Sustainable Global Development**, INDIACom-2015 (IEEE Conference ID: 35071), Organized by Bharti Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi, 11th-13th March, 2015. (**Delivered** an Invited Talk).
 14. **4th International Conference on Mathematics & Information Science (ICMIS 2015)**, **Zewail City of Science and Technology, Cairo, Egypt**, 5th-7th February, 2015. (**Delivered** a Contributory Talk entitled “Some Properties of Mixed Appell Sequences and Related Numbers”).
 15. **International Conference on Algebra and Its Applications (ICAA-2014)** (Under UGC-DRS (II) Programme), Department of Mathematics, AMU Aligarh, India. 15th-17th December, 2014. (**Participated**).
 16. **International Conference on Special Functions & Their Applications (ICSFA- 2014)** (13th Annual Conference of SSFA) & Symposium on “Applications of Mathematics in Engineering Sciences”. Organized by School of Mathematics & Computer Applications, Thapar University, Patiala, India, 16th-18th October, 2014. (**Delivered** an Invited Talk and **Chaired** a Session).
 17. **International Conference on Recent Trends in Algebra and Analysis with Applications (ICRTAAA-2014)** (Under UGC-DRS (II) Programme), Department of Mathematics, AMU Aligarh, India. 12th-14th February, 2014. (**Participated**).
 18. **International Conference on Special Functions & Their Applications (ICSFA- 2013)** (12th Annual Conference of SSFA) & Symposium on “Applications in Diverse Fields of Engineering and Technology”. Organized by Departments of Mathematics & Mechanical

Engineering, Malaviya National Institute of Technology, Jaipur, India, 13th-15th December, 2013. (**Delivered** an Invited Talk and **Chaired** a Session).

19. **National Conference on Mathematics.** Organized by Bharata Ganita Parisad & Department of Mathematics & Astronomy, University of Lucknow, Lucknow, India, 29th November-1st December, 2013. (**Delivered** an Invited Talk).
20. **National Conference on New Frontiers for Women in Science and Technology.** Organized by Jiwaji University, Gwalior, India, 20th-21st March, 2013. (**Delivered** an Invited Talk and **Chaired** a Session).
21. **International Workshop on Special Functions and Applications.** Organized by the Department of Mathematics, College of Science, King Saud University, Riyadh, Saudi Arabia, 20th-21st February, 2013. (**Delivered** an Invited Talk).
22. **11th Biennial Conference of ISIAM to Commemorate the 125th Birth Year of Srinivasa Ramanujan.** Organized by Gautham Buddha University, Greater Noida, India, 15th-16th December, 2012. (**Delivered** a Contributory Talk entitled “Special Polynomial Families Associated with Appell Sequences”).
23. **International Conference on Differential Geometry and Relativity.** (In collaboration with the Tensor Society, India) Department of Mathematics, AMU Aligarh, 20th -22nd November, 2012. (**Participated**).
24. **Training Program on “Integral Transform, Wavelet, Distribution Theory and their Applications”.** Organized by CIMS-DST, Banaras Hindu University, Varanasi, India, 12th-21st July, 2012. (**Delivered** an Invited Talk).
25. **International Conference on Special Functions & Their Applications (ICSFA- 2012)** (11th Annual Conference of SSFA & Symposium on “Life and Works of Ramanujan”), Organized by the Department of Applied Mathematics & Humanities, S.V.N.I.T., Surat, India, 27th-29th June, 2012. (**Delivered** an Invited Talk and **Chaired** a Session)
26. **15th Annual Conference of Vijnana Parishad of India & A National Seminar on “New Thrust Area in Mathematical Sciences and Technology”,** Organized by Department of Mathematics, D. A-V. College (CSJM University), Kanpur, India, 4th-6th November, 2011. (**Delivered** an Invited Talk).
27. **International Conference on Special Functions and Orthogonal Polynomials of Lie Groups and their Applications. Decin Branch of the Czech Technical University in Prague, Decin City, Czech Republic,** 14th – 20th August, 2011. (**Delivered** an Invited Talk).
28. **International Conference on Special Functions and their Applications (ICSFA- 2011) & Symposium on Works of Ramanujan.** Organized by Department of Mathematics & Statistics, J. N. Vyas University, Jodhpur and Society for Special Functions and their Application in association with JIET Group of Institutions, Jodhpur, India, 28th -30th July, 2011. (**Delivered** an Invited Talk).
29. **International Conference on Asymptotics and Special Functions, City University of Hong Kong, Hong Kong,** May 30th – 3rd June, 2011. (**Delivered** an Invited Talk).

- 30. Satellite Conference on International Congress of Mathematics 2010 (ICM 2010) on Mathematics in Science & Technology.** Jointly organized by ISIAM and Sharda University, Greater Noida, India, 14th-17th August, 2010. (**Presented** a research paper entitled "*2-Variable Laguerre Matrix Polynomials and Lie-Algebraic Techniques*").
- 31. Conference on Special Functions and their Applications & Symposium on Computational and Biological Mathematics.** Organized by School of Mathematics & Allied Sciences, Jiwaji University, Gwalior, India, 21st-23rd June, 2010. (**Delivered** an Invited Talk).
- 32. National Conference on Recent Trends in Mathematical Modelling and Simulation (RTMMS-2010).** Organized by Department of Applied Mathematics, IT, Banaras Hindu University, Varanasi, India, 18th -20th March, 2010. (**Presented** a research paper entitled "*Generating Functions for 2-variable Hermite, Laguerre and Legendre Polynomials through Operational methods*").
- 33. International Conference on Algebra and its Applications (ICAA-10)**(Under UGC-DRS Programme), Department of Mathematics, AMU Aligarh, India, 20th-22nd February, 2010. (**Participated**).
- 34. 6th National Conference of Indian Society for Mathematics and Mathematical Sciences,** Gorakhpur, India, 20th-21st February, 2009. (**Delivered** an Invited Talk, **Chaired** a Session).
- 35. "Lie Theoretic Approach to Hypergeometric Functions", Workshop on Transformation Theory of Ordinary and Basic Hypergeometric Function,** Sponsored by Ministry of Science & Technology and DST (New Delhi), Gorakhpur, India, 14th-19th February, 2009. (**Delivered** a Lecture as a Resource Person).
- 36. International Conference on Analysis and its Applications (ICAA-08),** Department of Mathematics, AMU Aligarh, India, 3rd-5th November, 2008. (**Participated**).
- 37. 18th Annual Conference of Jammu Mathematical Society and National Seminar on Emerging Trends in Analysis and Operator Theory,** Department of Mathematics, University of Jammu, Jammu, India, February 29th February–2nd March, 2008. (**Delivered** an Invited Talk).
- 38. International Conference of Society of Special Functions and their Applications,** Department of Mathematics, MNIT, Jaipur, India, 15th-16th December, 2007. (**Delivered** an Invited Talk).
- 39. International Conference on "Special Functions and their Applications" during 8th Annual Conference of Society for Special Functions and their Applications,** CMS, St. Thomas College, Pala, M.G. Univ. Kottayam, Kerala, India, 18th-20th May, 2007. (**Delivered** an invited talk).
- 40. 72nd Annual Conference of the Indian Mathematical Society,** Department of Mathematics and Computer Science, R.D. University, Jabalpur, 27th- 30th December, 2006. (**Delivered** an Invited Talk).

41. **Conference on Mathematics, Annual Conference of Bharata Ganita Parisad**, Department of Mathematics & Astronomy, Lucknow University, Lucknow, India, 18th - 19th November, 2006. (**Presented** a research paper entitled “*Operational versus Lie Algebraic Methods and Laguerre Polynomials*”).
42. **International Symposium on “New Trends in Mathematical Methods for Engineers”**, Università degli Studi di Roma “La Sapienza”, sede di Latina, Latina, Italy, 29th - 31st May, 2006. (**Delivered** an Invited Talk).
43. **6th Annual Conference of Society for Special Functions and their Applications**, Jaunpur, 4th-5th June, 2005. (**Delivered** an Invited Talk).
44. **Conference on Mathematics, Annual Conference of Bharata Ganita Parisad**, Department of Mathematics & Astronomy, Lucknow University, Lucknow, India, 11th-12th December, 2004. (**Presented** a research paper entitled “*Lie-Theoretic Generating Relations of Generalized Gegenbauer Polynomials*”).
45. **5th Annual Conference of Society for Special Functions and their Applications**, Lucknow, India, 8th-10th February., 2004. (**Delivered** an Invited Talk, **Chaired** a Session and **Presented** a research paper entitled “*Harmonic Oscillator Group and Laguerre 2D Polynomials*”).
46. **14th International Conference of the Jangjeon Mathematical Society**, Department of Studies in Mathematics, University of Mysore, Mysore, India, 22nd-24th December, 2003. (**Presented** a research paper entitled “*Monomiality, Lie Algebras and Laguerre Polynomials*”).
47. **Conference on Recent Trends in Algebra and Analysis**, Department of Mathematics, Aligarh Muslim University, Aligarh, India, 3rd-5th March, 2003. (**Presented** a research paper entitled “*A Study of Some Generalized Special Functions with Lie Theory*”).
48. **Conference on Recent Trends in Mathematics and its Applications**. Organized by Indian Society for Mathematics and Mathematical Sciences, Gorakhpur, India, 28th February-1st March, 2003. (**Delivered** an invited talk and **Chaired** a Session).
49. **4th Annual Conference of the Society for Special Functions and their Applications**, Department of Mathematics, University of Rajasthan, Jaipur, India, 20th-22nd February, 2003. (**Presented** a research paper entitled “*Certain Properties of Some Special Functions of Two Variables and Two Indices*”).
50. **68th Annual Conference of Indian Mathematical Society**, Department of Mathematics, Shivaji University, Kolahpur, India, 20th-23rd December, 2002. (**Presented** a research paper entitled “*On Certain Properties of Some Generalized Special Functions*”).
51. **International Conference on Special Functions and their Applications**, The Institute of Mathematical Sciences, Chennai, India, 23rd-27th September, 2002. (**Presented** a research paper entitled “*Lie-Theoretic Generating Relations of Hermite and Laguerre 2D Polynomials*”).
52. **67th Annual Conference of Indian Mathematical Society**, Department of Mathematics, AMU, Aligarh, India, 27th-30th January, 2002. (**Presented** a research paper entitled “*Lie*”).

algebra $G(0,1)$ and Laguerre 2D Polynomials”).

53. **Conference on Emerging Trends in Mathematics**, Department of Mathematics, AMU, Aligarh, India, 24th-26th March, 2001. (**Delivered** an Invited Talk).
54. **2nd Annual Conference of the Society for Special Functions and Their Applications**, Lucknow, India, 2nd-4th February, 2001. (**Presented** a research paper entitled “*Lie Theory and Two Variables Generalized Hermite Polynomials*”).
55. **Workshop on Mathematica and Hypergeometric Series**, The Institute of Mathematical Sciences, Chennai, India, 18th-22nd September, 2000. (**Participated**).
56. **International Conference on Geometry, Analysis and Applications**, Department of Mathematics, Banaras Hindu University, Varanasi, India, 21st-24th August, 2000. (**Presented** a research paper entitled “*Some Generating Functions of Generalized Hypergeometric Functions by Lie Group-Theoretic Method-IP*”).
57. **1st National Conference of the Society for Special Functions and Their Applications**, Department of Mathematics & Statistics, J.N.V. University, Jodhpur, India, 3rd-4th March, 2000. (**Presented** a research paper entitled “*Generating Functions Involving Hypergeometric Functions by Means of Integral Operators*”).
58. **65th Annual Conference of the Indian Mathematical Society**, Department of Mathematics, A.P.S. University, Rewa (M.P.), India, 20th-23rd December, 1999. (**Presented** a research paper entitled “*Special Linear Group and Modified Laguerre Functions*”).
59. **Conference on Analysis and its Allied Topics**, Department of Mathematics, A.M.U., Aligarh, India, 27th-29th August, 1998. (**Presented** a research paper entitled “*Special Linear Group and Modified Laguerre Functions II*”).
60. **4th Annual Conference of Indian Society of Industrial and Applied Mathematics (ISIAM)**, Jamia Millia Islamia, New Delhi, India, 6th-8th April, 1996. (**Participated**).
61. **International Conference of Functional Analysis with Applications**, Department of Mathematics, A.M.U., Aligarh, India, 16th-19th December, 1996. (**Presented** a research paper entitled “*The Lie Algebra $sl(2)$ and Generating Relations of Modified Laguerre Functions-I*”).
62. **62nd Annual Conference of the Indian Mathematical Society**, Department of Mathematics, IIT Kanpur, India, 22nd-25th December, 1996. (**Presented** a research paper entitled “*Generating Relations of Hypergeometric Functions by Means of Integral Operators*”).
63. **Annual Conference of Bharata Ganita Parisad**, Department of Mathematics & Astronomy, Lucknow University, Lucknow, India, 27th-28th December, 1996. (**Presented** a research paper entitled “*The Lie Algebra $sl(2)$ and Generating Relations of Modified Laguerre Functions-IP*”).
64. **61st Annual Conference of Indian Mathematical Society**, Department of Mathematics, A.M.U., Aligarh, India, 27th-30th December, 1995. (**Presented** a research paper entitled

“The Lie Algebra K_5 and Modified Laguerre Polynomials”).

65. **Conference on Lie Groups and Their Applications**, Department of Mathematics, A.M.U., Aligarh, India, 1st-4th May, 1995. (**Presented** a research paper entitled *“Representation of Lie Algebra and Generalized Hermite Polynomials”*).
66. **82nd Session of the Indian Science Congress**, University of Jadavpur, Calcutta, India, 3rd-8th January, 1995. (**Presented** a research paper entitled *“Representation of a Lie Group $G(0,1)$ and Modified Laguerre Polynomials”*).
67. **57th Annual Conference of the Indian Mathematical Society**, Department of Mathematics, A.M.U., Aligarh, India, 27th-30th December, 1991. (**Participated**).

Administrative Positions

- **Provost:** Begum Azeezun Nisa Hall, Aligarh Muslim University (August 25, 2018-Continue).
- **Provost:** Begum Sultan Jahan Hall, Aligarh Muslim University (April 08, 2015- June 13, 2017).
- **Provost:** Sarojini Naidu Hall, Aligarh Muslim University (February 2011- June 2012).
- **Non-Resident Warden:** Sarojini Naidu Hall, Aligarh Muslim University, (May 2008 – May 2009).
- **Non-Resident Warden:** Indira Gandhi Hall, Aligarh Muslim University, (December 2005 – June 2007), (October 2001 – August 2004), (June 2009- February 2011).
- **Resident Warden:** Sarojini Naidu Hall, Aligarh Muslim University, (May 1995-July 1998).

(Prof. (Dr.) Subuhi Khan)