

**Shahid Ahmad Wani**

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| Contact  Information | Ph. +91-7006532503  Email. shahidwani177@gmail.com |
| Present Research | **: Working in Special Functions, fractional Calculus and approximation**  **Theory** |
| Education | [**Aligarh Muslim University**,](http://www.amu.ac.in/amu/) Aligarh, INDIA |

Ph.D. Mathematics, Nov 2018, ,

Thesis Topic: *A Study of Certain Special Polynomials Using Monomiality*

*Principle and Factorization Method*

Advisor: [Prof. Subuhi Khan](https://www.amu.ac.in/empcv/619.pdf)

M.Sc. Mathematics, June 2014, Percentage: 76.16%

Department of Mathematics

Aligarh Muslim University

Aligarh, India-202002

Topic for Dissertation: *Study of Certain Special Polynomials and*

*Their Properties*

Advisor: [Prof. Subuhi Khan](https://www.amu.ac.in/empcv/619.pdf)

B.Sc. Mathematics Honours, June 2012, Percentage: 66.13%

Department of Mathematics

Aligarh Muslim University

Aligarh, India-202002

Higher Secondary part II Examination, Dec 2008, Percentage: 76.78%

The Jammu and Kashmir State Board of School Education, Kashmir

Secondary School Examination, Dec 2006, Percentage: 71.00%

The Jammu and Kashmir State Board of School Education, Kashmir

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| Teaching Experience | Working as contractual faculty, Mathematics, Govt. Degree College Kulgam, University of Kashmir, from 31-07-2021.  Working as contractual faculty, Mathematics in the Department of CSE, North Campus, University of Kashmir, from 14-03-2020 to 3107-2021 .  Worked as contractual faculty, Central University of Kashmir, Ganderbal, Kashmir, from 01-07-2019 to 13-03-2020. |
| Online certificate Courses | Latex for Students, Engineers and Scientists, by IIT Bombay.  Introduction to Abstract and Linear Algebra, by NPTEL Online Certification,  (Funded by the ministry of HRD, Govt. of india.)  Calculus for Economics, Commerce and Management, by NPTEL Online  Certification, (Funded by the ministry of HRD, Govt. of india.)  Introduction to Complex analysis, by Coursera, (Wesleyan University.)  Matrix Algebra for Engineers, by Coursera, (The Hong Kong university of Science and Technology.)  Differential Equation for Engineers, by Coursera, (The Hong Kong university of Science and Technology.)  Number Theory and Cryptography, by Coursera, (UC San Diego, Higher  School of Economics, National Research University.) |
| Computer  Skills | Programming Languages :Latex, Excel, Matlab  Operating System :Linux, and Windows |
| Awards | Secured IInd rank in mathematics in intermediate Examinations of JKBOSE. |
| Schools/  Workshop/  Conference  Attended | **National Conference on Nanoscience and Technologies in Digital India-2018**, Shobhit Deemed University, Meerut, 27th-28th April, 2018.  **1st International Conference on Recent Developments in Science,** |

**Humanities and Management-2018**, Amar Singh College, Cluster

University, Srinagar, 17th-18th April, 2018.

**International Conference on Applicable Mathematics**, organized by Department of Mathematics, Moti Lal Nehru College, Delhi University, India, 19th-20th February, 2018.

**International Conference on Analysis and its Applications**, organized by Department of Mathematics, Aligarh Muslim University, Aligarh, India, 20th-22nd December, 2017.

**International Conference on Nanotechnology for Instrumentation and Measurement Workshop**, organized by Gautam Buddha University, Greater Noida, India, 16th-17th November, 2017.

**International Conference on Special Functions and Applications**, organized by Department of Mathematics, College of Engineering and Technology, Bikaner, India, 2nd-4th November, 2017.

**International Conference on Algebra and its Applications**, organized by Department of Mathematics, Aligarh Muslim University, Aligarh, India, 12th-14th, November, 2016.

**International Conference on Special Functions and Applications**, organized by Department of Applied Sciences and Humanities, Jamia Millia Islamia, New Delhi, India, 9th-11th September, 2016.

**International Conference on Analysis and its Applications**, Department of Mathematics, Aligarh Muslim University, Aligarh, India, 19th-21st December, 2015.

**Science Communication Workshop**, organized by The Well come Trust/DBT India Alliance, AMU, Aligarh, April 13, 2015.

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| Refereed  Journal  Publications | **Shahid Ahmad Wani** and Tabinda Nahid, Finding determinant and integral forms of the 2-iterated 2D Appell polynomials, **The Journal of Analysis**, 1-17.  **Shahid Ahmad Wani**and Mumtaz Riyasat, Integral transforms and extended Hermite-Apostol type Frobenius-Genocchi polynomials,**Kragujevac** |

**Journal of Mathematics**, 48(1) (2024).

Tabinda Nahid and **Shahid Ahmad Wani**, A product formula And

certain q-Laplace type transforms for the q-Humbert functions, Kragujevac Journal of Mathem atics 47(5) (2023), 727–738.

**Shahid Ahmad Wani**, Nisar K S. and M. Mursaleen, Certain approximation properties of Brenke polynomials using Jakimovski-Leviatan operators, **Journal of inequalities and Applications** 2021:104 (2021), DOI: https://doi.org/10.1186/s13660-021-02639-2 .

**Shahid Ahmad Wani** and Subuhi Khan, Certain properties and applications of the 2D Sheffer and related hybrid polynomials, **Bolet´ın de la Sociedad Matem´atica Mexicana** (2020),

DOI: https://doi.org/10.1007/s40590-020-00280-5.

Subuhi Khan, Mumtaz Riyasat and **Shahid Ahmad Wani**, Differential and integral equations for Legendre-Laguerre based hybrid polynomials

(Reg. No 894), **Ukrainian Mathematical Journal** (2021), DOI:

10.37863/umzh.v73i3.894.

Subuhi Khan and **Shahid Ahmad Wani**, Some families of differential equations associated with the 2-iterated 2D Appell and related polynomials, **Bolet´ın de la Sociedad Matem´atica Mexicana**, (2021) 27-53, https://doi.org/10.1007/s40590-021-00353-z .

**Shahid Ahmad Wani**, Subuhi Khan and Tabinda Nahid,Gould-Hopper based Frobenius-Genocchi polynomials and their generalized form, **Afrika Mathematika**, (2020) DOI: 10.1007/s13370-020-00804-2

**Shahid Ahmad Wani**and Nisar K S., Quasi-monomiality and convergence theorem for Boas-Buck-Sheffer polynomials, **Mathematics** 5(5) 44324453, (2020)

Subuhi Khan and **Shahid Ahmad Wani**, Fractional calculus and

generalized forms of special polynomials associated with Appell sequences, **Georgian Mathematical Journal**, 28 (2) (2019) .

**Shahid Ahmad Wani**, Subuhi Khan and Shakeel Naikoo, Differential and integral equations for the Laguerre-Gould-Hopper based Appell and related polynomials, **Bolet´ın de la Sociedad Matem´atica Mexicana** (2019).

**Shahid Ahmad Wani** and Subuhi Khan, Properties and applications of the Gould-Hopper-Frobenius-Euler polynomials, **Tbilisi Mathematical Journal 12**(1) (2019) 93–104.

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.

Wiyada Kumam , H.M.Srivastava, **Shahid Ahmad Wani** , Serkan

Araci and Poom Kumam, Truncated-exponential-based Frobenius–Euler polynomials, **Advances in Difference Equations** (2019) https://doi.org/10.1186/s13662-019-2462-0 .

G. Yasmin, **Shahid Ahmad Wani** and Hiba Islahi, Finding hybrid families of special matrix polynomials associated with Sheffer sequences, **Tbilisi Mathematical Journal 12 ( 4)** (2019), 43-59.

Subuhi Khan, **Shahid Ahmad Wani** and Mumtaz Riyasat, Fractional calculus and families of generalized Legendre-Appell polynomials, Accepted for publication in **TWMS Journal of Pure and Applied Mathematics**

(2019).

Serkan Araci, Mumtaz Riyasat, **Shahid Ahmad Wani** and Subuhi Khan, A New Class of Hermite-Apostol Type Frobenius-Euler Polynomials and Its Applications, **Journal of Symmetry**, **10 (2018) doi:10.3390/sym10110652**

Serkan Araci, Mumtaz Riyasat, Subuhi Khan and **Shahid Ahmad Wani**, Some unified formulas and identities associated with hybrid type generalized-Gould-Hopper-Apostol type polynomials, **Journal of Mathematics and Computer Sciences 19 (2019), 97–115**.

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.

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.

Subuhi Khan, Mumtaz Riyasat and **Shahid Ahmad Wani**, On some classes of differential equations and associated integral equations for the Laguerre–Appell polynomials, **Journal of Advances in Pure and**

**Applied Mathematics**, (2017)

(**https://doi.org/10.1515/apam-2017-0079**).

Subuhi Khan and **Shahid Ahmad Wani**, A note on differential and integral equations for the Laguerre-Hermite polynomials, **Proceedings of the Second International Conference on Computer and Communication Technologies, IC3T 2017, Advances in Intelligence System and Computing, Springer**, **381** (2016) 547-555.

Serkan Araci, Mumtaz Riyasat, **Shahid Ahmad Wani** and Subuhi

Khan, Differential and integral equations for the 3-variable HermiteFrobenius-Euler and Frobenius-Genocchi polynomials, **Journal of Applied Mathematics and Information Sciences**, **11** (5) (2017) 1335-1346.

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| Academic Referees | **Prof. Subuhi Khan**  Aligarh Muslim university subuhi2006@gmail.com (Ph.D. supervisor)  [Prof. Subuhi Khan](https://www.amu.ac.in/faculty/mathematics/subuhi-khan-1)  **Prof. Nisar K. S.**  Prince Sattam bin Abdulaziz University n.sooppy@psau.edu.sa [Prof. Nisar K. S.](https://faculty.psau.edu.sa/en/psau/facultymember/n.sooppy)  **Prof. Kaleem Raza Kazmi**  Aligarh Muslim university  Rabigh, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia kr.kazmi.mm@amu.ac.in krkazmi@gmail.com  [Prof. Kaleem Raza Kazmi](https://www.amu.ac.in/faculty/mathematics/kaleem-raza-kazmi) |
| Personal  Information | Passport Number :**L 1937424**  Father Name :Farooq Ahmad Wani  Mother Name :Shaheena Akhter  Date Of Birth :04 January 1991  Birthplace :Kulgam, Jammu and Kashmir  Citizenship :Indian  Permanent address :Kokergund, Distt. Kulgam,  :Jammu and Kashmir  Marital Status :Unmarried  Gender :Male  Language :English ,Hindi , Kashmiri, Urdu |