

# Subuhi Khan

## List of Publications by Year in descending order

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88  
papers

624  
citations

686830

13  
h-index

794141

19  
g-index

88  
all docs

88  
docs citations

88  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hermite-based Appell polynomials: Properties and applications. Journal of Mathematical Analysis and Applications, 2009, 351, 756-764.	0.5	45
2	Laguerre-based Appell polynomials: Properties and applications. Mathematical and Computer Modelling, 2010, 52, 247-259.	2.0	32
3	A determinantal approach to Sheffer's Appell polynomials via monomiality principle. Journal of Mathematical Analysis and Applications, 2015, 421, 806-829.	0.5	22
4	General-Appell Polynomials within the Context of Monomiality Principle. International Journal of Analysis, 2013, 2013, 1-11.	0.5	21
5	Implicit summation formulae for Hermite and related polynomials. Journal of Mathematical Analysis and Applications, 2008, 344, 408-416.	0.5	20
6	On Crofton-Glaisher type relations and derivation of generating functions for Hermite polynomials including the multi-index case. Integral Transforms and Special Functions, 2008, 19, 1-9.	0.8	20
7	2-Variable generalized hermite matrix polynomials and lie algebra representation. Reports on Mathematical Physics, 2010, 66, 159-174.	0.4	20
8	Differential and integral equations for the 2-iterated Appell polynomials. Journal of Computational and Applied Mathematics, 2016, 306, 116-132.	1.1	18
9	2-Iterated Appell polynomials and related numbers. Applied Mathematics and Computation, 2013, 219, 9469-9483.	1.4	17
10	Differential and integral equations for the Laguerre's Gould's Hopper-based Appell and related polynomials. Boletin De La Sociedad Matematica Mexicana, 2020, 26, 617-646.	0.2	16
11	2-variable Laguerre matrix polynomials and Lie-algebraic techniques. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 235204.	0.7	14
12	Operational methods and Laguerre's Gould Hopper polynomials. Applied Mathematics and Computation, 2012, 218, 9930-9942.	1.4	14
13	Finding mixed families of special polynomials associated with Appell sequences. Journal of Mathematical Analysis and Applications, 2017, 447, 398-418.	0.5	14
14	Some properties of Hermite-based Sheffer polynomials. Applied Mathematics and Computation, 2010, 217, 2169-2183.	1.4	13
15	On a new family related to truncated exponential and Sheffer polynomials. Journal of Mathematical Analysis and Applications, 2014, 418, 921-937.	0.5	13
16	Determinantal approach to certain mixed special polynomials related to Gould's Hopper polynomials. Applied Mathematics and Computation, 2015, 251, 599-614.	1.4	13
17	Partial derivative formulas and identities involving $\mathbf{2}$ -variable Simsek polynomials. Boletin De La Sociedad Matematica Mexicana, 2020, 26, 1-13.	0.2	13
18	q-difference equations for the composite 2D q-Appell polynomials and their applications. Cogent Mathematics, 2017, 4, 1376972.	0.4	12

#	ARTICLE	IF	CITATIONS
19	Multi-variable Hermite matrix polynomials: Properties and applications. Journal of Mathematical Analysis and Applications, 2014, 412, 222-235.	0.5	11
20	Extended Laguerre–Appell polynomials via fractional operators and their determinant forms. Turkish Journal of Mathematics, 2018, 42, 1686-1697.	0.3	11
21	Operational versus Lie-algebraic methods and the theory of multi-variable Hermite polynomials. Integral Transforms and Special Functions, 2005, 16, 81-91.	0.8	10
22	A Note on Truncated Exponential-Based Appell Polynomials. Bulletin of the Malaysian Mathematical Sciences Society, 2017, 40, 373-388.	0.4	10
23	Determinant Forms, Difference Equations and Zeros of the q-Hermite-Appell Polynomials. Mathematics, 2018, 6, 258.	1.1	10
24	On degenerate Apostol-type polynomials and applications. Boletin De La Sociedad Matematica Mexicana, 2019, 25, 509-528.	0.2	10
25	Lie-theoretic generating relations of two variable Laguerre polynomials. Reports on Mathematical Physics, 2003, 51, 1-7.	0.4	9
26	Summation formulae for Gould–Hopper generalized Hermite polynomials. Computers and Mathematics With Applications, 2011, 61, 1536-1541.	1.4	9
27	Families of Legendre–Sheffer polynomials. Mathematical and Computer Modelling, 2012, 55, 969-982.	2.0	9
28	Monomiality principle, operational methods and family of Laguerre–Sheffer polynomials. Journal of Mathematical Analysis and Applications, 2012, 387, 90-102.	0.5	9
29	Harmonic oscillator group and Laguerre 2D polynomials. Reports on Mathematical Physics, 2003, 52, 227-234.	0.4	8
30	A determinant approach to q-Bessel polynomials and applications. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2019, 113, 1571-1583.	0.6	8
31	Quantum Algebra $\hat{\mu}(2)$ and 2D q-Bessel Functions. Reports on Mathematical Physics, 2019, 83, 191-206.	0.4	8
32	Lie-theoretic generating relations of Hermite 2D polynomials. Journal of Computational and Applied Mathematics, 2003, 160, 139-146.	1.1	7
33	Operational methods: an extension from ordinary monomials to multi-dimensional Hermite polynomials. Journal of Difference Equations and Applications, 2007, 13, 671-677.	0.7	7
34	On some classes of differential equations and associated integral equations for the Laguerre–Appell polynomials. Advances in Pure and Applied Mathematics, 2018, 9, 185-194.	0.3	7
35	Numerical Computation of Zeros of Certain Hybrid q-Special Sequences. Procedia Computer Science, 2019, 152, 166-171.	1.2	7
36	Fractional calculus and generalized forms of special polynomials associated with Appell sequences. Georgian Mathematical Journal, 2021, 28, 261-270.	0.2	7

#	ARTICLE	IF	CITATIONS
37	Some Properties of Two Variable Laguerre Polynomials Via Lie Algebra. Integral Transforms and Special Functions, 2003, 14, 251-255.	0.8	6
38	Evaluations of certain Euler type integrals. Applied Mathematics and Computation, 2007, 189, 1993-2003.	1.4	6
39	A General Class of the Three-Variable Unified Apostol-Type $q$ -Polynomials and Multiple Power $q$ -Sums. Bulletin of the Iranian Mathematical Society, 2020, 46, 519-542.	0.4	6
40	A new approach to Legendre-truncated-exponential-based Sheffer sequences via Riordan arrays†. Applied Mathematics and Computation, 2020, 369, 124683.	1.4	6
41	Gould's Hopper based Frobenius-Genocchi polynomials and their generalized form. Afrika Matematika, 2020, 31, 1397-1408.	0.4	6
42	Representation of a Lie Algebra $\{cal G\}(0,1)$ and Three Variable Generalized Hermite Polynomials $H_{\{n\}}(x,y,z)$ . Integral Transforms and Special Functions, 2002, 13, 59-64.	0.8	5
43	Representation of Lie algebra $\mathfrak{sl}(2, \mathbb{C})$ . Integral Transforms and Special Functions, 2002, 13, 59-64.	0.5	5
44	Generalized and mixed type Gegenbauer polynomials. Journal of Mathematical Analysis and Applications, 2012, 390, 197-207.	0.5	5
45	$q$ -Difference equations for the 2-iterated $q$ -Appell and mixed type $q$ -Appell polynomials. Arabian Journal of Mathematics, 2019, 8, 63-77.	0.4	5
46	Finding non-linear differential equations and certain identities for the Bernoulli-Euler and Bernoulli-Genocchi numbers. SN Applied Sciences, 2019, 1, 1.	1.5	5
47	Construction of some hybrid relatives of Laguerre-Appell polynomials associated with Gould-Hopper matrix polynomials. Journal of Analysis, 2021, 29, 927-946.	0.3	5
48	Generating relations of Tricomi and Hermite-Genocchi functions using Lie algebra representation. Applied Mathematics and Computation, 2008, 202, 86-101.	1.4	4
49	Operational Methods and Truncated Exponential-Based Mittag-Leffler Polynomials. Mediterranean Journal of Mathematics, 2016, 13, 1555-1569.	0.4	4
50	Tricomi functions and quantum algebra representations. Georgian Mathematical Journal, 2021, 28, 793-803.	0.2	4
51	On New Families Related to Bernoulli and Euler Polynomials. Advances in Intelligent Systems and Computing, 2016, , 547-555.	0.5	4
52	Certain properties of some special functions of two variables and two indices. Integral Transforms and Special Functions, 2004, 15, 331-336.	0.8	3
53	Generalized Bessel Functions and Lie Algebra Representation. Mathematical Physics Analysis and Geometry, 2006, 8, 299-313.	0.4	3
54	Hermite-Laguerre Matrix Polynomials and Generating Relations. Reports on Mathematical Physics, 2014, 73, 137-164.	0.4	3

#	ARTICLE	IF	CITATIONS
55	Lie algebra representations and 1-parameter 2D-Hermite polynomials. Integral Transforms and Special Functions, 2017, 28, 315-327.	0.8	3
56	Finding Discrete Bessel and Tricomi Convolutions of Certain Special Polynomials. Reports on Mathematical Physics, 2018, 81, 385-397.	0.4	3
57	Differential and integral equations for the 2-iterated Bernoulli, 2-iterated Euler and Bernoulli's Euler polynomials. Georgian Mathematical Journal, 2020, 27, 375-389.	0.2	3
58	Generating Relations of Hermite's Tricomi Functions Using a Representation of Lie Algebra $\mathfrak{sl}(3, \mathbb{C})$ . Georgian Mathematical Journal, 2007, 14, 99-107.	0.2	3
59	Properties of certain new special polynomials associated with Sheffer sequences. Tbilisi Mathematical Journal, 2016, 9, .	0.3	3
60	Representation of lie algebra $T_3$ and generalized bessel functions. Reports on Mathematical Physics, 2006, 58, 1-14.	0.4	2
61	Monomiality and multi-index multi-variable special polynomials. Integral Transforms and Special Functions, 2007, 18, 449-458.	0.8	2
62	Legendre polynomials: Lie methods and monomiality. Mathematical and Computer Modelling, 2008, 47, 887-893.	2.0	2
63	Lie-theoretic generating relations involving multi-variable Hermite's Tricomi functions. Integral Transforms and Special Functions, 2009, 20, 365-375.	0.8	2
64	Recurrence Relations and Differential Equations of the Hermite's Sheffer and Related Hybrid Polynomial Sequences. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 1607-1618.	0.7	2
65	Certain properties and applications of the 2D Sheffer and related polynomials. Boletin De La Sociedad Matematica Mexicana, 2020, 26, 947-971.	0.2	2
66	Properties and Graphical Representations of the 2-Variable Form of the Simsek Polynomials. Vietnam Journal of Mathematics, 2022, 50, 95-109.	0.4	2
67	Differential and Integral Equations for Legendre's Laguerre-Based Hybrid Polynomials. Ukrainian Mathematical Journal, 2021, 73, 479.	0.1	2
68	Certain results associated with hybrid relatives of the q-Sheffer sequences. Boletim Da Sociedade Paranaense De Matematica, 0, 40, 1-15.	0.4	2
69	On Generating Relations Involving Generalized Gegenbauer Polynomials. Georgian Mathematical Journal, 2006, 13, 85-99.	0.2	1
70	Some results involving Hermite-base polynomials and functions using operational methods. Applied Mathematics and Computation, 2010, 215, 3769-3776.	1.4	1
71	New classes of Hermite's Tricomi functions and generating relations. Georgian Mathematical Journal, 2014, 21, .	0.2	1
72	Certain results concerning operators on a Lie algebra and double index sequences. Georgian Mathematical Journal, 2017, 24, .	0.2	1

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73	Some properties of Hermite based Appell matrix polynomials. Tbilisi Mathematical Journal, 2017, 10, .	0.3	1
74	A New Class of Hermite-Apostol Type Frobenius-Euler Polynomials and Its Applications. Symmetry, 2018, 10, 652.	1.1	1
75	Extended Forms of Certain Hybrid Special Polynomials Related to Appell Sequences. Bulletin of the Malaysian Mathematical Sciences Society, 2019, 42, 2879-2896.	0.4	1
76	A linear algebra approach to the hybrid Shefferâ€™Appell polynomials. Mathematical Sciences, 2019, 13, 153-164.	1.0	1
77	Lie algebra $\mathcal{K}_5$ and 3-variable Laguerreâ€™Hermite polynomials. Revista De La Real Academia De Ciencias Exactas, Físicas Y Naturales - Serie A: Matematicas, 2019, 113, 831-843.	0.6	1
78	Some families of differential equations associated with the 2-iterated 2D Appell and related polynomials. Boletin De La Sociedad Matematica Mexicana, 2021, 27, 1.	0.2	1
79	Certain properties of the Laguerreâ€™Sheffer polynomials. Journal of Analysis, 2022, 30, 245-269.	0.3	1
80	OPERATIONAL CALCULUS ASSOCIATED WITH CERTAIN FAMILIES OF GENERATING FUNCTIONS. Communications of the Korean Mathematical Society, 2015, 30, 429-438.	0.2	1
81	Euler Type Integrals and Integrals in Terms of Extended Beta Function. Journal of Mathematics, 2014, 2014, 1-12.	0.5	0
82	Modified relativistic Laguerre polynomials. Monomiality and Lie algebraic methods. Georgian Mathematical Journal, 2016, 23, 381-386.	0.2	0
83	Finding symmetry identities for the 2-variable Apostol type polynomials. Tbilisi Mathematical Journal, 2017, 10, .	0.3	0
84	Properties and Applications of Hermite Matrix Exponential Polynomials. Advances in Intelligent Systems and Computing, 2018, , 619-626.	0.5	0
85	Finding Determinant Forms of Certain Hybrid Sheffer Sequences. Mathematics, 2019, 7, 1105.	1.1	0
86	Hermite-based hybrid polynomials and some related properties. Bolletino Dell Unione Matematica Italiana, 2020, 13, 193-212.	0.6	0
87	Determinantal Approach to Hermite-Sheffer Polynomials. Advances in Intelligent Systems and Computing, 2016, , 525-534.	0.5	0
88	Finding hybrid relatives of the Bessel polynomials. Tbilisi Mathematical Journal, 2019, 12, .	0.3	0