

# Subuhi Khan

## List of Publications by Year in descending order

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88  
papers

624  
citations

686830

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794141

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all docs

88  
docs citations

88  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties and Graphical Representations of the 2-Variable Form of the Simsek Polynomials. Vietnam Journal of Mathematics, 2022, 50, 95-109.	0.4	2
2	Certain properties of the Laguerre-Sheffer polynomials. Journal of Analysis, 2022, 30, 245-269.	0.3	1
3	Fractional calculus and generalized forms of special polynomials associated with Appell sequences. Georgian Mathematical Journal, 2021, 28, 261-270.	0.2	7
4	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
5	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
6	Tricomi functions and quantum algebra representations. Georgian Mathematical Journal, 2021, 28, 793-803.	0.2	4
7	Differential and Integral Equations for Legendre-Laguerre-Based Hybrid Polynomials. Ukrainian Mathematical Journal, 2021, 73, 479.	0.1	2
8	Differential and integral equations for the 2-iterated Bernoulli, 2-iterated Euler and Bernoulli-Euler polynomials. Georgian Mathematical Journal, 2020, 27, 375-389.	0.2	3
9	Differential and integral equations for the Laguerre-Gould-Hopper-based Appell and related polynomials. Boletin De La Sociedad Matematica Mexicana, 2020, 26, 617-646.	0.2	16
10	Partial derivative formulas and identities involving $\mathbf{2}$ -variable Simsek polynomials. Boletin De La Sociedad Matematica Mexicana, 2020, 26, 1-13.	0.2	13
11	Hermite-based hybrid polynomials and some related properties. Bolletino Dell Unione Matematica Italiana, 2020, 13, 193-212.	0.6	0
12	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
13	A new approach to Legendre-truncated-exponential-based Sheffer sequences via Riordan arrays†. Applied Mathematics and Computation, 2020, 369, 124683.	1.4	6
14	Gould-Hopper based Frobenius-Genocchi polynomials and their generalized form. Afrika Matematika, 2020, 31, 1397-1408.	0.4	6
15	Certain properties and applications of the 2D Sheffer and related polynomials. Boletin De La Sociedad Matematica Mexicana, 2020, 26, 947-971.	0.2	2
16	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
17	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
18	$q$ -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

#	ARTICLE	IF	CITATIONS
19	Numerical Computation of Zeros of Certain Hybrid q-Special Sequences. <i>Procedia Computer Science</i> , 2019, 152, 166-171.	1.2	7
20	Quantum Algebra $\hat{\mu}(2)$ and 2D q-Bessel Functions. <i>Reports on Mathematical Physics</i> , 2019, 83, 191-206.	0.4	8
21	A linear algebra approach to the hybrid Sheffer-Appell polynomials. <i>Mathematical Sciences</i> , 2019, 13, 153-164.	1.0	1
22	Finding non-linear differential equations and certain identities for the Bernoulli-Euler and Bernoulli-Genocchi numbers. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	5
23	Finding Determinant Forms of Certain Hybrid Sheffer Sequences. <i>Mathematics</i> , 2019, 7, 1105.	1.1	0
24	On degenerate Apostol-type polynomials and applications. <i>Boletin De La Sociedad Matematica Mexicana</i> , 2019, 25, 509-528.	0.2	10
25	Lie algebra $\mathfrak{K}_5$ and 3-variable Laguerre-Hermite polynomials. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2019, 113, 831-843.	0.6	1
26	Recurrence Relations and Differential Equations of the Hermite-Sheffer and Related Hybrid Polynomial Sequences. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 1607-1618.	0.7	2
27	Finding hybrid relatives of the Bessel polynomials. <i>Tbilisi Mathematical Journal</i> , 2019, 12, .	0.3	0
28	On some classes of differential equations and associated integral equations for the Laguerre-Appell polynomials. <i>Advances in Pure and Applied Mathematics</i> , 2018, 9, 185-194.	0.3	7
29	Determinant Forms, Difference Equations and Zeros of the q-Hermite-Appell Polynomials. <i>Mathematics</i> , 2018, 6, 258.	1.1	10
30	Extended Laguerre-Appell polynomials via fractional operators and their determinant forms. <i>Turkish Journal of Mathematics</i> , 2018, 42, 1686-1697.	0.3	11
31	A New Class of Hermite-Apostol Type Frobenius-Euler Polynomials and Its Applications. <i>Symmetry</i> , 2018, 10, 652.	1.1	1
32	Finding Discrete Bessel and Tricomi Convolutions of Certain Special Polynomials. <i>Reports on Mathematical Physics</i> , 2018, 81, 385-397.	0.4	3
33	Properties and Applications of Hermite Matrix Exponential Polynomials. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 619-626.	0.5	0
34	A Note on Truncated Exponential-Based Appell Polynomials. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , 2017, 40, 373-388.	0.4	10
35	Lie algebra representations and 1-parameter 2D-Hermite polynomials. <i>Integral Transforms and Special Functions</i> , 2017, 28, 315-327.	0.8	3
36	Certain results concerning operators on a Lie algebra and double index sequences. <i>Georgian Mathematical Journal</i> , 2017, 24, .	0.2	1

#	ARTICLE	IF	CITATIONS
37	Finding mixed families of special polynomials associated with Appell sequences. Journal of Mathematical Analysis and Applications, 2017, 447, 398-418.	0.5	14
38	Finding symmetry identities for the 2-variable Apostol type polynomials. Tbilisi Mathematical Journal, 2017, 10, .	0.3	0
39	Some properties of Hermite based Appell matrix polynomials. Tbilisi Mathematical Journal, 2017, 10, .	0.3	1
40	q-difference equations for the composite 2D q-Appell polynomials and their applications. Cogent Mathematics, 2017, 4, 1376972.	0.4	12
41	Differential and integral equations for the 2-iterated Appell polynomials. Journal of Computational and Applied Mathematics, 2016, 306, 116-132.	1.1	18
42	Modified relativistic Laguerre polynomials. Monomiality and Lie algebraic methods. Georgian Mathematical Journal, 2016, 23, 381-386.	0.2	0
43	Operational Methods and Truncated Exponential-Based Mittag-Leffler Polynomials. Mediterranean Journal of Mathematics, 2016, 13, 1555-1569.	0.4	4
44	On New Families Related to Bernoulli and Euler Polynomials. Advances in Intelligent Systems and Computing, 2016, , 547-555.	0.5	4
45	Determinantal Approach to Hermite-Sheffer Polynomials. Advances in Intelligent Systems and Computing, 2016, , 525-534.	0.5	0
46	Properties of certain new special polynomials associated with Sheffer sequences. Tbilisi Mathematical Journal, 2016, 9, .	0.3	3
47	Determinantal approach to certain mixed special polynomials related to Gould's Hopper polynomials. Applied Mathematics and Computation, 2015, 251, 599-614.	1.4	13
48	A determinantal approach to Sheffer's Appell polynomials via monomiality principle. Journal of Mathematical Analysis and Applications, 2015, 421, 806-829.	0.5	22
49	OPERATIONAL CALCULUS ASSOCIATED WITH CERTAIN FAMILIES OF GENERATING FUNCTIONS. Communications of the Korean Mathematical Society, 2015, 30, 429-438.	0.2	1
50	Euler Type Integrals and Integrals in Terms of Extended Beta Function. Journal of Mathematics, 2014, 2014, 1-12.	0.5	0
51	Hermite's Laguerre Matrix Polynomials and Generating Relations. Reports on Mathematical Physics, 2014, 73, 137-164.	0.4	3
52	New classes of Hermite's Tricomi functions and generating relations. Georgian Mathematical Journal, 2014, 21, .	0.2	1
53	On a new family related to truncated exponential and Sheffer polynomials. Journal of Mathematical Analysis and Applications, 2014, 418, 921-937.	0.5	13
54	Multi-variable Hermite matrix polynomials: Properties and applications. Journal of Mathematical Analysis and Applications, 2014, 412, 222-235.	0.5	11

#	ARTICLE	IF	CITATIONS
55	2-Iterated Appell polynomials and related numbers. Applied Mathematics and Computation, 2013, 219, 9469-9483.	1.4	17
56	General-Appell Polynomials within the Context of Monomiality Principle. International Journal of Analysis, 2013, 2013, 1-11.	0.5	21
57	Operational methods and Laguerreâ€“Gould Hopper polynomials. Applied Mathematics and Computation, 2012, 218, 9930-9942.	1.4	14
58	Families of Legendreâ€“Sheffer polynomials. Mathematical and Computer Modelling, 2012, 55, 969-982.	2.0	9
59	Monomiality principle, operational methods and family of Laguerreâ€“Sheffer polynomials. Journal of Mathematical Analysis and Applications, 2012, 387, 90-102.	0.5	9
60	Generalized and mixed type Gegenbauer polynomials. Journal of Mathematical Analysis and Applications, 2012, 390, 197-207.	0.5	5
61	Summation formulae for Gouldâ€“Hopper generalized Hermite polynomials. Computers and Mathematics With Applications, 2011, 61, 1536-1541.	1.4	9
62	Some properties of Hermite-based Sheffer polynomials. Applied Mathematics and Computation, 2010, 217, 2169-2183.	1.4	13
63	Laguerre-based Appell polynomials: Properties and applications. Mathematical and Computer Modelling, 2010, 52, 247-259.	2.0	32
64	Some results involving Hermite-base polynomials and functions using operational methods. Applied Mathematics and Computation, 2010, 215, 3769-3776.	1.4	1
65	2-variable Laguerre matrix polynomials and Lie-algebraic techniques. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 235204.	0.7	14
66	2-Variable generalized hermite matrix polynomials and lie algebra representation. Reports on Mathematical Physics, 2010, 66, 159-174.	0.4	20
67	Hermite-based Appell polynomials: Properties and applications. Journal of Mathematical Analysis and Applications, 2009, 351, 756-764.	0.5	45
68	Lie-theoretic generating relations involving multi-variable Hermiteâ€“Tricomi functions. Integral Transforms and Special Functions, 2009, 20, 365-375.	0.8	2
69	Implicit summation formulae for Hermite and related polynomials. Journal of Mathematical Analysis and Applications, 2008, 344, 408-416.	0.5	20
70	Legendre polynomials: Lie methods and monomiality. Mathematical and Computer Modelling, 2008, 47, 887-893.	2.0	2
71	Generating relations of Tricomi and Hermiteâ€“Tricomi functions using Lie algebra representation. Applied Mathematics and Computation, 2008, 202, 86-101.	1.4	4
72	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

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73	Operational methods: an extension from ordinary monomials to multi-dimensional Hermite polynomials. <i>Journal of Difference Equations and Applications</i> , 2007, 13, 671-677.	0.7	7
74	Monomiality and multi-index multi-variable special polynomials. <i>Integral Transforms and Special Functions</i> , 2007, 18, 449-458.	0.8	2
75	Evaluations of certain Euler type integrals. <i>Applied Mathematics and Computation</i> , 2007, 189, 1993-2003.	1.4	6
76	Representation of Lie algebra $\mathfrak{sl}(1,2)$ . <i>Journal of Mathematical Analysis and Applications</i> , 2001, 261, 1-14. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-ce/dtd"</small>	0.5	5
77	Generating Relations of Hermite-Tricomi Functions Using a Representation of Lie Algebra $\mathfrak{su}(2)$ . <i>Georgian Mathematical Journal</i> , 2007, 14, 99-107.	0.2	3
78	On Generating Relations Involving Generalized Gegenbauer Polynomials. <i>Georgian Mathematical Journal</i> , 2006, 13, 85-99.	0.2	1
79	Representation of lie algebra $T_3$ and generalized Bessel functions. <i>Reports on Mathematical Physics</i> , 2006, 58, 1-14.	0.4	2
80	Generalized Bessel Functions and Lie Algebra Representation. <i>Mathematical Physics Analysis and Geometry</i> , 2006, 8, 299-313.	0.4	3
81	Operational versus Lie-algebraic methods and the theory of multi-variable Hermite polynomials. <i>Integral Transforms and Special Functions</i> , 2005, 16, 81-91.	0.8	10
82	Certain properties of some special functions of two variables and two indices. <i>Integral Transforms and Special Functions</i> , 2004, 15, 331-336.	0.8	3
83	Lie-theoretic generating relations of Hermite 2D polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2003, 160, 139-146.	1.1	7
84	Harmonic oscillator group and Laguerre 2D polynomials. <i>Reports on Mathematical Physics</i> , 2003, 52, 227-234.	0.4	8
85	Lie-theoretic generating relations of two variable Laguerre polynomials. <i>Reports on Mathematical Physics</i> , 2003, 51, 1-7.	0.4	9
86	Some Properties of Two Variable Laguerre Polynomials Via Lie Algebra. <i>Integral Transforms and Special Functions</i> , 2003, 14, 251-255.	0.8	6
87	Representation of a Lie Algebra $\mathfrak{C}(0,1)$ and Three Variable Generalized Hermite Polynomials $H_n(x,y,z)$ . <i>Integral Transforms and Special Functions</i> , 2002, 13, 59-64.	0.8	5
88	Certain results associated with hybrid relatives of the q-Sheffer sequences. <i>Boletim Da Sociedade Paranaense De Matematica</i> , 0, 40, 1-15.	0.4	2