

Authors	Title	Journal	Publication year	Volume	Issue	Pages
Fernandez A,Fahad HM	Weighted Fractional Calculus: A General Class of Operators	FRACTAL AND FRACTIONAL	2022	6	4	
Nagy B	Operational union-complexity	INFORMATION AND COMPUTATION	2022	284	SI	
Ahmadova A,Huseynov IT,Mahmudov I N	EXISTENCE AND STABILITY RESULTS ON MULTIDIMENSIONAL FRACTIONAL-ORDER SYSTEMS	ROCKY MOUNTAIN JOURNAL OF MATHEMATICS	2022	52	1	1-14
Rani N,Fernandez A	Mikusinski's operational calculus for Prabhakar fractional calculus	INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS	2022	33	12	945-965
Ozarslan MA,Fernandez A	On the fractional calculus of multivariate Mittag-Leffler functions	INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS	2022	99	2	247-273
Mahmudov NI	Mean Exact Finite-Approximate Controllability of Linear Stochastic Equations in Hilbert Spaces	FILOMAT	2022	36	6	2043-2050
Kara M	Approximation properties of the new type generalized Bernstein-Kantorovich operators	AIMS MATHEMATICS	2022	7	3	3826-3844
Rani N,Fernandez A	An operational calculus formulation of fractional calculus with general analytic kernels	ELECTRONIC RESEARCH ARCHIVE	2022	30	12	4238-4255
Mahmudov NI	Analytical Solution of the Fractional Linear Time-Delay Systems and their Ulam-Hyers Stability	JOURNAL OF APPLIED MATHEMATICS	2022	2022		
Sabancigil P,Kara M,Mahmudov I N	Higher order Kantorovich-type Szasz-Mirakjan operators	JOURNAL OF INEQUALITIES AND APPLICATIONS	2022	2022	1	
Huseynov IT,Mahmudov I N	Analysis of positive fractional-order neutral time-delay systems	JOURNAL OF THE FRANKLIN INSTITUTE	2022	359	1	294-330
Nagy B,Parchami S	5' $\rightarrow$ 3' Watson-Crick automata languages-without sensing parameter	NATURAL COMPUTING	2022	21	4, SI	679-691
Nagy B,Saadat M	Digital geometry on a cubic stair-case mesh	PATTERN RECOGNITION LETTERS	2022	164		140-147
Fernandez A,Fahad HM	On the importance of conjugation relations in fractional calculus	COMPUTATIONAL & APPLIED MATHEMATICS	2022	41	6	

Iyikal OC	Numerical Solution of Sylvester Equation Based on Iterative Predictor-Corrector Method	JOURNAL OF MATHEMATICS	2022	2022		
Kara M	APPROXIMATION PROPERTIES OF THE FRACTIONAL $q$ -INTEGRAL OF RIEMANN-LIOUVILLE INTEGRAL TYPE SZASZ-MIRAKYAN-KANTOROVICH OPERATORS	COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS	2022	71	4	1136-1168
Rani N,Fernandez A	Solving Prabhakar differential equations using Mikusinski's operational calculus	COMPUTATIONAL & APPLIED MATHEMATICS	2022	41	3	
Avkan A,Nagy B,Saadetoglu M	A comparison of digitized rotations of neighborhood motion maps of closest neighbors on 2D regular grids	SIGNAL IMAGE AND VIDEO PROCESSING	2022	16	2	505-513
Huseynov IT,Ahmadova A,Mahmudov NI	Perturbation properties of fractional strongly continuous cosine and sine family operators	ELECTRONIC RESEARCH ARCHIVE	2022	30	8	2911-2940
Nagy B	Equivalence, Partial Order and Lattice of Neighborhood Sequences on the Triangular Grid	MATHEMATICS	2022	10	23	
Asgharzadehbonab S,Akkeles A,Ozder H	Students' Academic Performance and Perceptions towards Online Learning during the COVID-19 Pandemic at a Large Public University in Northern Cyprus	SUSTAINABILITY	2022	14	24	
Iyikal OC	Numerical Investigation of the Two-Dimensional Fredholm Integral Equations of the Second Kind by Bernstein Operators	SYMMETRY-BASEL	2022	14	3	
Nagy B	From Finite Automata to Fractal Automata - The Power of Recursion	International Conference on Machines, Computations, and Universality - Springer	2022	13419		109-125
Alzboon L,Nagy B	Crazy Truth-Teller-Liar Puzzles	AXIOMATHES	2022	32	4	639-657
Mahmudov I N,Ahmadova A,Huseynov IT	A novel technique for solving Sobolev-type fractional multi-order evolution equations	COMPUTATIONAL & APPLIED MATHEMATICS	2022	41	2	
Nagy B	Union-Complexities of Kleene Plus Operation	International Conference on Descriptive Complexity of Formal Systems - Springer	2022	13439		197-211

Mahmudov I N	Multi-delayed perturbation of Mittag-Leftier type matrix functions	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	2022	505	1	
Nagy B	Quasi-deterministic 5'? 3' Watson-Crick Automata	ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE	2022		367	160-176
Mahmudov N,Kara M	APPROXIMATION PROPERTIES OF THE RIEMANN-LIOUVILLE FRACTIONAL INTEGRAL TYPE SZ acute accent ASZ-MIRAKYAN-KANTOROVICH OPERATORS	JOURNAL OF MATHEMATICAL INEQUALITIES	2022	16	4	1285-1308
Huseynov IT,Ahmadova A,Mahmudov I N	On a study of Sobolev-type fractional functional evolution equations	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2022	45	9	5002-5042
Saadetoglu M	A Topological Proof for a Version of Artin's Induction Theorem	SYMMETRY-BASEL	2022	14	10	
Nagy B	Diagrams based on the Hexagonal and Triangular Grids	ACTA POLYTECHNICA HUNGARICA	2022	19	4	27-42
Onye SC,Dimililer N,Akkeles A	Chemical disease relation extraction through the combination of multiple mention levels: ReISCAN	TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES	2022	30	6	2237-2253
Awuya MA,Ojo GO,Mahmudov NI	Solution of Space-Time Fractional Differential Equations Using Aboodh Transform Iterative Method	JOURNAL OF MATHEMATICS	2022	2022		
Khassawneh B,Nagy B	POLYNOMIAL AND MULTINOMIAL COEFFICIENTS IN TERMS OF NUMBER OF SHORTEST PATHS	COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES	2022	75	4	495-503
Fernandez A,Ozarlan MA,Kurt C	A catalogue of semigroup properties for integral operators with Fox-Wright kernel functions	STUDIES IN APPLIED MATHEMATICS	2022	148	4	1477-1518

Ahmadova A, Mahmudov I N, Nieto JJ	EXPONENTIAL STABILITY AND STABILIZATION OF FRACTIONAL STOCHASTIC DEGENERATE EVOLUTION EQUATIONS IN A HILBERT SPACE: SUBORDINATION PRINCIPLE	EVOLUTION EQUATIONS AND CONTROL THEORY	2022	11	6	1997-2015
Mahmudov I N, Ahmadova A	Some Results on Backward Stochastic Differential Equations of Fractional Order	QUALITATIVE THEORY OF DYNAMICAL SYSTEMS	2022	21	4	
Alzboon L, Nagy B	A Comparison of Various Extensions of Strong Truth-teller and Strong Liar Puzzles (Mutes and Crazyies)	AXIOMS	2022	11	7	
Ozarslan MA, Ustaoglu C	Extended incomplete Riemann-Liouville fractional integral operators and related special functions	ELECTRONIC RESEARCH ARCHIVE	2022	30	5	1723-1747
Bashirov AE, Ahmadova A	Partial observability of stochastic semilinear systems	SYSTEMS & CONTROL LETTERS	2022	168		
Kucche KD, Mali AD, Fernandez A, Fahad HM	On tempered Hilfer fractional derivatives with respect to functions and the associated fractional differential equations	CHAOS SOLITONS & FRACTALS	2022	163		
Mali AD, Kucche KD, Fernandez A, Fahad HM	On tempered fractional calculus with respect to functions and the associated fractional differential equations	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2022	45	17	11134-11157
Aktuglu H, Gezer H, Baytunc E, Atamert MS	APPROXIMATION PROPERTIES OF GENERALIZED BLENDING TYPE LOTOTSKY-BERNSTEIN OPERATORS	JOURNAL OF MATHEMATICAL INEQUALITIES	2022	16	2	707-728
Atsa'am DD, Bodur EK	Mining the moderating role of organizational tenure in the association between PsyCap and educational qualifications among tourism and hospitality workers	JOURNAL OF PUBLIC AFFAIRS	2022	22	1	
Hamal H, Sabancigil P	Kantorovich Type Generalization of Bernstein Type Rational Functions Based on $(p, q)$ -Integers	SYMMETRY-BASEL	2022	14	5	
Gezer H, Aktuglu H, Baytunc E, Atamert MS	Generalized blending type Bernstein operators based on the shape parameter $\lambda$	JOURNAL OF INEQUALITIES AND APPLICATIONS	2022	2022	1	
Ahmadova A, Huseynov I, Mahmudov I N	Perturbation theory for fractional evolution equations in a Banach space	SEMIGROUP FORUM	2022	105	3	583-618

Kocman R,Krivka Z,Meduna A,Nagy B	A jumping $5' \rightarrow 3'$ Watson-Crick finite automata model	ACTA INFORMATICA	2022	59	5	557-584
Awadalla M,Mahmudov NI	On System of Mixed Fractional Hybrid Differential Equations	JOURNAL OF FUNCTION SPACES	2022	2022		
Aydin M,Mahmudov NI	Iterative learning control for impulsive fractional order time-delay systems with nonpermutable constant coefficient matrices	INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING	2022	36	6, SI	1419-1438
Aydin M,Mahmudov I N	Study of the $\phi$ -generalized type k-fractional integrals or derivatives and some of their properties	TURKISH JOURNAL OF MATHEMATICS	2022	46	4	1384-1396
Abuasbeh K,Mahmudov NI,Awadalla M	Existence of Solutions and Relative Controllability of a Stochastic System with Nonpermutable Matrix Coefficients	FRACTAL AND FRACTIONAL	2022	6	6	
Aydin M,Mahmudov NI	On a study for the neutral Caputo fractional multi-delayed differential equations with noncommutative coefficient matrices	CHAOS SOLITONS & FRACTALS	2022	161		
Aydin M,Mahmudov NI,Aktuglu H,Baytunc E,Atamert MS	On a study of the representation of solutions of a $\psi$ -Caputo fractional differential equations with a single delay	ELECTRONIC RESEARCH ARCHIVE	2022	30	3	1016-1034
Fernandez A,Restrepo JE,Suragan D	Lipschitz and Fourier type conditions with moduli of continuity in rank 1 symmetric spaces	MONATSHEFTE FUR MATHEMATIK	2022	197	2	353-364
Abuasbeh K,Bashirov AE	Derivation of a Kalman-type filter for linear systems with pointwise delay in signal noise	BOUNDARY VALUE PROBLEMS	2022	2022	1	
Fernandez A,Restrepo JE,Suragan D	Linear differential equations with variable coefficients and Mittag-Leffler kernels	ALEXANDRIA ENGINEERING JOURNAL	2022	61	6	4757-4763
Awadalla M,Noupoue YY,Tandogdu Y,Abuasbeh K	Regression Coefficient Derivation via Fractional Calculus Framework	JOURNAL OF MATHEMATICS	2022	2022		
Fernandez A,Restrepo JE,Suragan D	On linear fractional differential equations with variable coefficients	APPLIED MATHEMATICS AND COMPUTATION	2022	432		
Fernandez A,Restrepo JE,Suragan D	PRABHAKAR-TYPE LINEAR DIFFERENTIAL EQUATIONS WITH VARIABLE COEFFICIENTS	DIFFERENTIAL AND INTEGRAL EQUATIONS	2022	35	9-10	581-610