

Authors	Title	Journal	Publication year	Volume	Issue	Pages
Ozarslan MA,Kara M	Korovkin type theorem for the functions defined in the Prism and the corresponding Meyer-Konig and Zeller operators	FILOMAT	2024	38	32	11501-11516
Kara M,Ozarslan MA	Parametric generalization of the q-Meyer-Krnig-Zeller operators	CHAOS SOLITONS & FRACTALS	2024	185		
Ojo GO,Olaifa JO	Local fractional Laplace transform iterative method for solving Korteweg-de Vries equation with the local fractional derivative	INTERNATIONAL JOURNAL OF MATHEMATICS FOR INDUSTRY	2024	16	SUPP01, 1	
Elidemir IO,Ozarslan MA,Buranay SC	On the analysis of fractional calculus operators with bivariate Mittag Leffler function in the kernel	JOURNAL OF APPLIED MATHEMATICS AND COMPUTING	2024	70	2	1295-1323
Najafi Mohsenabad H,Tut MA	Optimizing Cybersecurity Attack Detection in Computer Networks: A Comparative Analysis of Bio-Inspired Optimization Algorithms Using the CSE-CIC-IDS 2018 Dataset	APPLIED SCIENCES-BASEL	2024	14	3	
Fernandez A	On Complex Orders in Fractional Calculus: Floors, Ceilings, and Analytic Continuation	IFAC PAPERSONLINE	2024	58	12	143-148
Fernandez A	Abstract Algebraic Construction in Fractional Calculus: Parametrised Families with Semigroup Properties	COMPLEX ANALYSIS AND OPERATOR THEORY	2024	18	3	
Buranay SC	Bivariate modified Bernstein-Kantorovich operators for the numerical solution of two-dimensional fractional Volterra integral equations	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2024	47	5, SI	3763-3785
Baytunc E,Aktuglu H,Mahmudov NI	APPROXIMATION PROPERTIES OF RIEMANN-LIOUVILLE TYPE FRACTIONAL BERNSTEIN-KANTOROVICH OPERATORS OF ORDER	MATHEMATICAL FOUNDATIONS OF COMPUTING	2024	7	4	544-567
Fernandez A,Buranay SC	The Peano-Sard theorem for Caputo fractional derivatives and applications	JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS	2024	441		
Ozarslan MA,Cil M	Chlodowsky variant of generalised Jain-Appell operators	FILOMAT	2024	38	20	7269-7288

Fernandez A,Saadetoglu M	Algebraic results on rngs of singular functions	FORUM MATHEMATICUM	2024	36	6	1645-1657
Gasimov JJ,Mahmudov NI	Second-order maximum principle controlled weakly singular Volterra integral equations	ARCHIVES OF CONTROL SCIENCES	2024	34	4	863-880
Rani N,Fernandez A	Mikusiński's operational calculus for multi-dimensional fractional operators with applications to fractional PDEs	COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION	2024	138		
Fernandez A,Guder C,Yasin W	On Fractional Quaternionic d-Bar Derivatives	Methusalem Workshop on Classical Analysis and PDEs Springer	2024	1		23-31
Fernandez A,Rani N	Mikusinski's Operational Calculus for Fractional Operators with Different Kernels	IFAC PAPERSONLINE	2024	58	12	220-225
Fernandez A,Guder C,Yasin W	Fractional Powers of the Quaternionic d-Bar Derivative	ADVANCES IN APPLIED CLIFFORD ALGEBRAS	2024	34	1	
Kara M,Sabancigil P,Mahmudov NI	Generalized Kantorovich type Sza'sz-Mirakjan operators based on q-integers	FILOMAT	2024	38	14	5141-5160
Kablan F,Vizvari B,Nagy B	A digital distance on the kishombille tiling	ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES	2024	80	3	226-236
Baytunc E,Gezer H,Aktuglu H	Kantorovich Variant of the Blending Type Bernstein Operators	BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY	2024	50	6	
Akguen G,Bashirov R	Optimal Paradigms for Quantitative Modeling in Systems Biology Demonstrated for Spinal Motor Neuron Synthesis	APPLIED SCIENCES-BASEL	2024	14	22	
Nagy B	The hyper-Wiener Index of diamond nanowires	INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY	2024	124	1	
Fernandez A,Fahad HM	General Transmutation Relations and Their Applications	IFAC PAPERSONLINE	2024	58	12	149-154
Al-Refai M,Fernandez A	Comparison principles for a class of general integro-differential inequalities with applications	COMPUTATIONAL & APPLIED MATHEMATICS	2024	43	2	

Gungor SY,Cekim B,Ozarlan MA	Approximation results for the operators involving beta function and the Boas-Buck-Sheffer polynomials	FILOMAT	2024	38	1	171-187
Nagy B	A Khalimsky-Like Topology on the Triangular Grid	International Conference on Discrete Geometry and Mathematical Morphology - Springer	2024	14605		150-162
Saadetoglu M,Nagy B,Avkan A	Digital continuity of rotations in the 2D regular grids	ANNALS OF MATHEMATICS AND ARTIFICIAL INTELLIGENCE	2024	92	1	115-137
Nagy B	$5' \rightarrow 3'$ Watson-Crick Automata accepting Necklaces	ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE	2024		407	
Buranay SC,Chin MJ,Mahmudov NI	A highly accurate numerical method for solving boundary value problem of generalized Bagley-Torvik equation	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2024			
Gasimov JJ,Asadzade JA,Mahmudov NI	Pontryagin Maximum Principle for Fractional Delay Differential Equations and Controlled Weakly Singular Volterra Delay Integral Equations	QUALITATIVE THEORY OF DYNAMICAL SYSTEMS	2024	23	5	
Mahmudov NI	Relative controllability of linear state-delay fractional systems	FRACTIONAL CALCULUS AND APPLIED ANALYSIS	2024	27	3	987-1016
Kara M,Mahmudov NI	Approximation Theorems for Complex α -Bernstein-Kantorovich Operators	RESULTS IN MATHEMATICS	2024	79	2	
Ibrahimov SS,Mahmudov NI	A Pillai-Catalan-type problem involving Fibonacci numbers	JOURNAL OF ANALYSIS	2024	32	5	3039-3046
Saadetoglu M,Nagy B,Avkan A	Rotations on the triangular grid: angles of changes of the neighborhood motion map	AEQUATIONES MATHEMATICAE	2024	98	4	1053-1070
Huseynov IT,Mahmudov NI	Delayed analogue of three-parameter Mittag-Leffler functions and their applications to Caputo-type fractional time delay differential equations	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2024	47	13	11019-11043
Mahmudov NI	A study on approximate controllability of linear impulsive equations in Hilbert spaces	QUAESTIONES MATHEMATICAE	2024	47	9	1791-1806

Biricik N,Cekim B,Ozarslan MA	Sequences of twice-iterated Δ_w -Gould-Hopper Appell polynomials	JOURNAL OF TAIBAH UNIVERSITY FOR SCIENCE	2024	18	1	
Mahmudov NI,Buranay SC,Chin MJ	On the Existence, Uniqueness and a Numerical Approach to the Solution of Fractional Cauchy-Euler Equation	AXIOMS	2024	13	9	
Biricik N,Ozarslan MA,Cekim B	Laguerre type twice-iterated Appell polynomials	TURKISH JOURNAL OF MATHEMATICS	2024	48	2	
Ahmadova A,Mahmudov NI	Picard Approximation of a Singular Backward Stochastic Nonlinear Volterra Integral Equation	QUALITATIVE THEORY OF DYNAMICAL SYSTEMS	2024	23	4	
Mahmudov NI,Kara M	New Kantorovich-type Szász-Mirakjan Operators	BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY	2024	50	5	
Asadzade JA,Mahmudov I N	Euler-Maruyama approximation for stochastic fractional neutral integro-differential equations with weakly singular kernel	PHYSICA SCRIPTA	2024	99	7	
Asadzade JA,Mahmudov NI	Finite time stability analysis for fractional stochastic neutral delay differential equations	JOURNAL OF APPLIED MATHEMATICS AND COMPUTING	2024	70	6	5293-5317
Nagy B,Otto F	Finite Automata with Sets of Translucent Words	International Conference on Developments in Language Theory - Springer	2024	14791		236-251
Aydin M,Mahmudov NI	Relative controllability of nonlinear delayed multi-agent systems	INTERNATIONAL JOURNAL OF CONTROL	2024	97	2	348-357
Asadzade JA,Mahmudov NI	Delayed analogue of three-parameter pseudo-Mittag-Leffler functions and their applications to Hilfer pseudo-fractional time retarded differential equations	JOURNAL OF MATHEMATICAL PHYSICS	2024	65	5	
Guebuez B,Fernandez A	Numerical and Analytical Methods for Differential Equations and Systems	FRACTAL AND FRACTIONAL	2024	8	1	
Aydin M,Mahmudov NI	A Study on Linear Prabhakar Fractional Systems with Variable Coefficients	QUALITATIVE THEORY OF DYNAMICAL SYSTEMS	2024	23	5	
Aydin M,Mahmudov NI	The Sequential Conformable Langevin-Type Differential Equations and Their Applications to the RLC Electric Circuit Problems	JOURNAL OF APPLIED MATHEMATICS	2024	2024		

Dutt M,Biswas A,Nagy B	Counting of Shortest Paths in a Cubic Grid	ACTA POLYTECHNICA HUNGARICA	2024	21	6	169-186
Aydin M,Mahmudov NI	Some applications of the generalized Laplace transform and the representation of a solution to Sobolev-type evolution equations with the generalized Caputo derivative	BULLETIN OF THE POLISH ACADEMY OF SCIENCES- TECHNICAL SCIENCES	2024	72	2	
Fernandez A,Restrepo JE,Djida JD	On the fractional Laplacian of a function with respect to another function	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	2024	47	18	14079-14110
Aydin M,Mahmudov N	THE μ -NEUTRAL FRACTIONAL MULTI-DELAYED DIFFERENTIAL EQUATIONS	MISKOLC MATHEMATICAL NOTES	2024	25	1	109-125
Sunday J,Shokri A,Kamoh NM,Dang BC,Mahmudov NI	A computational approach to solving some applied rigid second-order problems	MATHEMATICS AND COMPUTERS IN SIMULATION	2024	217		121-138
Awadalla M,Mahmudov NI,Alahmadi J	Finite-Approximate Controllability of ν -Caputo Fractional Systems	FRACTAL AND FRACTIONAL	2024	8	1	
Awadalla M,Mahmudov NI,Alahmadi J	A novel delayed discrete fractional Mittag-Leffler function: representation and stability of delayed fractional difference system	JOURNAL OF APPLIED MATHEMATICS AND COMPUTING	2024	70	2	1571-1599