Ilyas Baskonus

List of Publications by Year in Descending Order

273 papers	6,351 citations	42 h-index	60 g-index
294 ext. papers	8,286 ext. citations	2.3 avg, IF	7.43 L-index

#	Paper	IF	Citations
273	The $$\varvec{N}$$-soliton, fusion, rational and breather solutions of two extensions of the (2+1)-dimensional Bogoyavlenskii–Schieff equation. *Nonlinear Dynamics*, **2022**, 107, 3791	5	2
272	Fractional Order Modeling the Gemini Virus in Capsicum annuum with Optimal Control. *Fractal and Fractional*, **2022**, 6, 61	3	15
271	Soliton theory and modulation instability analysis: The Ivancevic option pricing model in economy. *AEJ - Alexandria Engineering Journal*, **2022**, 61, 7843-7851	6.1	5
270	Modified Predictor–Corrector Method for the Numerical Solution of a Fractional-Order SIR Model with 2019-nCoV. *Fractal and Fractional*, **2022**, 6, 92	3	5
269	A new analytical method to the conformable chiral nonlinear Schrödinger equation in the quantum Hall effect. *Pramana - Journal of Physics*, **2022**, 96, 1		2
268	Numerical treatment on the new fractional-order SIDARTHE COVID-19 pandemic differential model via neural networks.. *European Physical Journal Plus*, **2022**, 137, 334	3.1	1
267	An efficient technique to analyze the fractional model of vector-borne diseases. *Physica Scripta*, **2022**, 97, 054004	2.6	1
266	Deeper investigation of modified epidemiological computer virus model containing the Caputo operator. *Chaos, Solitons and Fractals*, **2022**, 158, 112050	9.3	4
265	New wave approach to the conformable resonant nonlinear Schödinger's equation with Kerr-law nonlinearity. *Optical and Quantum Electronics*, **2022**, 54,	2.4	1
264	On the new hyperbolic wave solutions to Wu-Zhang system models. *Optical and Quantum Electronics*, **2022**, 54, 1	2.4	1
263	A new survey to the nonlinear electrical transmission line model. *International Journal of Cognitive Computing in Engineering*, **2021**, 2, 208-208	1.1	0
262	Newly Developed Analytical Scheme and Its Applications to the Some Nonlinear Partial Differential Equations with the Conformable Derivative. *Fractal and Fractional*, **2021**, 5, 238	3	1
261	On the exact solutions to some system of complex nonlinear models. *Applied Mathematics and Nonlinear Sciences*, **2021**, 6, 29-42	4	28
260	Sun Toughness Conditions for P 2 and P 3 Factor Uniform and Factor Critical. *Journal of Mathematics*, **2021**, 2021, 1-11	1.2	
259	An Efficient Stochastic Numerical Computing Framework for the Nonlinear Higher Order Singular Models. *Fractal and Fractional*, **2021**, 5, 176	3	8
258	New classifications of nonlinear Schrödinger model with group velocity dispersion via new extended method. *Results in Physics*, **2021**, 31, 104910	3.7	3
257	Explicit solution of fractional order atmosphere-soil-land plant carbon cycle system. *Ecological Complexity*, **2021**, 48, 100966	2.6	6

256	Construction of breather solutions and N-soliton for the higher order dimensional Caudrey–Dodd–Gibbon–Sawada–Kotera equation arising from wave patterns. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2021**,	1.8	5
255	Solitary wave solitons to one model in the shallow water waves. *European Physical Journal Plus*, **2021**, 136, 1	3.1	3
254	Investigations of the complex wave patterns to the generalized Calogero–Bogoyavlenskii–Schiff equation. *Soft Computing*, **2021**, 25, 6999-7008	3.5	11
253	A POWERFUL ITERATIVE APPROACH FOR QUINTIC COMPLEX GINZBURG–LANDAU EQUATION WITHIN THE FRAME OF FRACTIONAL OPERATOR. *Fractals*, **2021**, 29, 2140023	3.2	22
252	Nonlinear dynamics of (2 + 1)-dimensional Bogoyavlenskii–Schieff equation arising in plasma physics. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 10321-10330	2.3	5
251	Fractional approach for analysis of the model describing wind-influenced projectile motion. *Physica Scripta*, **2021**, 96, 075209	2.6	20
250	On the Complex Simulations With Dark–Bright to the Hirota–Maccari System. *Journal of Computational and Nonlinear Dynamics*, **2021**, 16,	1.4	12
249	Computational Investigation of Stefan Blowing Effect on Flow of Second-Grade Fluid Over a Curved Stretching Sheet. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1	1.3	14
248	On the modulation instability analysis and deeper properties of the cubic nonlinear Schrödinger's equation with repulsive δ-potential. *Results in Physics*, **2021**, 25, 104303	3.7	3
247	A novel study of Morlet neural networks to solve the nonlinear HIV infection system of latently infected cells. *Results in Physics*, **2021**, 25, 104235	3.7	23
246	Strong Interacting Internal Waves in Rotating Ocean: Novel Fractional Approach. *Axioms*, **2021**, 10, 123	1.6	13
245	Multiple rogue wave, dark, bright, and solitary wave solutions to the KP–BBM equation. *Journal of Geometry and Physics*, **2021**, 164, 104159	1.2	3
244	A Reliable Solution of Arbitrary Order Nonlinear Hunter–Saxton Equation with Time Dependent Derivative in Liouville–Caputo Sense. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1	1.3	2
243	Investigation of shallow water waves and solitary waves to the conformable 3D-WBBM model by an analytical method. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2021**, 403, 127388	2.3	11
242	A new numerical investigation of fractional order susceptible-infected-recovered epidemic model of childhood disease. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 1747-1747	6.1	8
241	Regarding New Traveling Wave Solutions for the Mathematical Model Arising in Telecommunications. *Advances in Mathematical Physics*, **2021**, 2021, 1-11	1.1	0
240	New exact solutions for the doubly dispersive equation using the improved Bernoulli sub-equation function method. *Indian Journal of Physics*, **2021**, 95, 309-314	1.4	9
239	Analysis and numerical computations of the fractional regularized long-wave equation with damping term. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 7538-7555	2.3	23

238	New wave behaviors and stability analysis of the Gilson-Pickering equation in plasma physics. *Indian Journal of Physics*, **2021**, 95, 1003-1008	1.4	12
237	Longitudinal strain waves propagating in an infinitely long cylindrical rod composed of generally incompressible materials and its Jacobi elliptic function solutions. *Mathematics and Computers in Simulation*, **2021**, 182, 566-602	3.3	11
236	W-shaped surfaces to the nematic liquid crystals with three nonlinearity laws. *Soft Computing*, **2021**, 25, 4513-4524	3.5	12
235	Multi soliton solutions, M-lump waves and mixed soliton-lump solutions to the awada-Kotera equation in (2+1)-dimensions. *Chinese Journal of Physics*, **2021**, 71, 54-61	3.5	9
234	Multiple soliton, fusion, breather, lump, mixed kink-lump and periodic solutions to the extended shallow water wave model in (2+1)-dimensions. *Modern Physics Letters B*, **2021**, 35, 2150138	1.6	4
233	New exact solitary wave solutions, bifurcation analysis and first order conserved quantities of resonance nonlinear Schrödinger's equation with Kerr law nonlinearity. *Journal of King Saud University - Science*, **2021**, 33, 101180	3.6	19
232	Results on approximate controllability results for second-order Sobolev-type impulsive neutral differential evolution inclusions with infinite delay. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 1200-1221	2.5	23
231	New numerical simulation for fractional Benney-Lin equation arising in falling film problems using two novel techniques. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 210-243	2.5	57
230	Extraction Complex Properties of the Nonlinear Modified Alpha Equation. *Fractal and Fractional*, **2021**, 5, 6	3	0
229	Regarding on the Fractional Mathematical Model of Tumour Invasion and Metastasis. *CMES - Computer Modeling in Engineering and Sciences*, **2021**, 127, 1013-1036	1.7	3
228	Extractions of some new travelling wave solutions to the conformable Date-Jimbo-Kashiwara-Miwa equation. *AIMS Mathematics*, **2021**, 6, 4238-4264	2.2	27
227	Abundant novel solutions of the conformable Lakshmanan-Porsezian-Daniel model. *Discrete and Continuous Dynamical Systems - Series S*, **2021**, 14, 2311	2.8	3
226	Numerical analysis of nonlinear fractional Klein-Fock-Gordon equation arising in quantum field theory via Caputo-Fabrizio fractional operator. *Mathematical Sciences*, **2021**, 15, 269-281	1.6	4
225	Dynamical behaviors to the coupled Schrödinger-Boussinesq system with the beta derivative. *AIMS Mathematics*, **2021**, 6, 7909-7928	2.2	16
224	Regarding new wave distributions of the non-linear integro-partial Ito differential and fifth-order integrable equations. *Applied Mathematics and Nonlinear Sciences*, **2021**,	4	4
223	1-Soliton solutions of the (2 + 1)-dimensional Heisenberg ferromagnetic spin chain model with the beta time derivative. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	28
222	Instability modulation properties of the (2 + 1)-dimensional Kundu-Mukherjee-Naskar model in travelling wave solutions. *Modern Physics Letters B*, **2021**, 35, 2150217	1.6	1
221	Method of lines for multi-dimensional coupled viscous Burgers equations via nodal Jacobi spectral collocation method. *Physica Scripta*, **2021**, 96, 124011	2.6	1

220	A Novel Approach for Fractional ((1+1))-Dimensional Biswas-Milovic Equation. *International Journal of Applied and Computational Mathematics*, **2021**, 7, 1	1.3	1
219	On the conformable nonlinear schrödinger equation with second order spatiotemporal and group velocity dispersion coefficients. *Chinese Journal of Physics*, **2021**, 72, 403-414	3.5	20
218	Various exact wave solutions for KdV equation with time-variable coefficients. *Journal of Ocean Engineering and Science*, **2021**,	4.4	3
217	On pulse propagation of soliton wave solutions related to the perturbed Chen-Lee-Liu equation in an optical fiber. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	10
216	Breather, multi-shock waves and localized excitation structure solutions to the Extended BKP-Boussinesq equation. *Communications in Nonlinear Science and Numerical Simulation*, **2021**, 101, 105867	3.7	6
215	Fractional approach for a mathematical model of atmospheric dynamics of CO_2 gas with an efficient method. *Chaos, Solitons and Fractals*, **2021**, 152, 111347	9.3	11
214	Studying on Kudryashov-Sinelshchikov dynamical equation arising in mixtures liquid and gas bubbles. *Thermal Science*, **2021**, 247-247	1.2	4
213	Dynamics of soliton and mixed lump-soliton waves to a generalized Bogoyavlensky-Konopelchenko equation. *Physica Scripta*, **2021**, 96, 035225	2.6	8
212	Dark and trigonometric soliton solutions in asymmetrical Nizhnik-Novikov-Veselov equation with (2+1)-dimensional. *International Journal of Optimization and Control: Theories and Applications*, **2021**, 11, 92-99	1.5	5
211	Numerical Solutions of the Mathematical Models on the Digestive System and COVID-19 Pandemic by Hermite Wavelet Technique. *Symmetry*, **2021**, 13, 2428	2.7	3
210	SVM-Based Multi-Dividing Ontology Learning Algorithm and Similarity Measuring on Topological Indices. *Frontiers in Physics*, **2020**, 8,	3.9	1
209	Analytical and numerical study of the HIV-1 infection of CD4+ T-cells conformable fractional mathematical model that causes acquired immunodeficiency syndrome with the effect of antiviral drug therapy. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	40
208	Some new families of exact solutions to a new extension of nonlinear Schrödinger equation. *Physica Scripta*, **2020**, 95, 075208	2.6	23
207	ITERATIVE METHOD APPLIED TO THE FRACTIONAL NONLINEAR SYSTEMS ARISING IN THERMOELASTICITY WITH MITTAG-LEFFLER KERNEL. *Fractals*, **2020**, 28, 2040040	3.2	30
206	Novel Dynamic Structures of 2019-nCoV with Nonlocal Operator via Powerful Computational Technique. *Biology*, **2020**, 9,	4.9	95
205	A new study of unreported cases of 2019-nCOV epidemic outbreaks. *Chaos, Solitons and Fractals*, **2020**, 138, 109929	9.3	126
204	Deeper investigations of the (4 + 1)-dimensional Fokas and (2 + 1)-dimensional Breaking soliton equations. *International Journal of Modern Physics B*, **2020**, 34, 2050152	1.1	5
203	New exact solutions for nematicons in liquid crystals by the (tan (phi /2))-expansion method arising in fluid mechanics. *European Physical Journal Plus*, **2020**, 135, 1	3.1	16

202	New Numerical Results for the Time-Fractional Phi-Four Equation Using a Novel Analytical Approach. *Symmetry*, **2020**, 12, 478	2.7	56
201	Modulation instability analysis and analytical solutions to the system of equations for the ion sound and Langmuir waves. *Physica Scripta*, **2020**, 95, 065602	2.6	25
200	Regarding New Wave Patterns of the Newly Extended Nonlinear (2+1)-Dimensional Boussinesq Equation with Fourth Order. *Mathematics*, **2020**, 8, 341	2.3	28
199	Complex mixed dark-bright wave patterns to the modified α and modified Vakhnenko-Parkes equations. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 2149-2160	6.1	8
198	New approach for the model describing the deathly disease in pregnant women using Mittag-Leffler function. *Chaos, Solitons and Fractals*, **2020**, 134, 109696	9.3	83
197	Analytical and Approximate Solutions of a Novel Nervous Stomach Mathematical Model. *Discrete Dynamics in Nature and Society*, **2020**, 2020, 1-9	1.1	23
196	Investigating lump and its interaction for the third-order evolution equation arising propagation of long waves over shallow water. *European Journal of Mechanics, B/Fluids*, **2020**, 84, 289-301	2.4	22
195	Regarding new positive, bounded and convergent numerical solution of nonlinear time fractional HIV/AIDS transmission model. *Chaos, Solitons and Fractals*, **2020**, 139, 110096	9.3	37
194	Regarding new numerical solution of fractional Schistosomiasis disease arising in biological phenomena. *Chaos, Solitons and Fractals*, **2020**, 133, 109661	9.3	41
193	Some mixed trigonometric complex soliton solutions to the perturbed nonlinear Schrödinger equation. *Modern Physics Letters B*, **2020**, 34, 2050034	1.6	33
192	Optical soliton solutions to the Fokas-Lenells equation via sine-Gordon expansion method and ((m+({G'}/{G})))-expansion method **2020**, 94, 1		50
191	Novel explicit solutions for the nonlinear Zoomeron equation by using newly extended direct algebraic technique. *Optical and Quantum Electronics*, **2020**, 52, 1	2.4	59
190	Dark optical solitons to the Biswas-Arshed equation with high order dispersions and absence of the self-phase modulation. *Optik*, **2020**, 209, 164576	2.5	41
189	Analytical solutions for the (3+1)-dimensional nonlinear extended quantum Zakharov-Kuznetsov equation in plasma physics. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 548, 124327	3.3	31
188	New investigation of bats-hosts-reservoir-people coronavirus model and application to 2019-nCoV system. *Advances in Difference Equations*, **2020**, 2020, 391	3.6	57
187	A Hybrid Computational Technique for Time-Fractional Newell-Whitehead-Segel Equation via Sumudu Transform. *Advances in Intelligent Systems and Computing*, **2020**, 1-14	0.4	
186	Network Adjacency Condition for Fractional ((g,f,n',m))-Critical Covered Graphs. *Lecture Notes in Computer Science*, **2020**, 20-30	0.9	
185	Existence results of Hilfer integro-differential equations with fractional order. *Discrete and Continuous Dynamical Systems - Series S*, **2020**, 13, 911-923	2.8	23

184	Optical solitons to the fractional perturbed NLSE in nano-fibers. *Discrete and Continuous Dynamical Systems - Series S*, **2020**, 13, 925-936	2.8	16
183	Complex solitons in the conformable (2+1)-dimensional Ablowitz-Kaup-Newell-Segur equation. *AIMS Mathematics*, **2020**, 5, 507-521	2.2	133
182	A reliable hybrid numerical method for a time dependent vibration model of arbitrary order. *AIMS Mathematics*, **2020**, 5, 979-1000	2.2	27
181	New complex wave patterns to the electrical transmission line model arising in network system. *AIMS Mathematics*, **2020**, 5, 1881-1892	2.2	51
180	New dark-bright soliton in the shallow water wave model. *AIMS Mathematics*, **2020**, 5, 4027-4044	2.2	31
179	A numerical study of the ferromagnetic flow of Carreau nanofluid over a wedge, plate and stagnation point with a magnetic dipole. *AIMS Mathematics*, **2020**, 5, 4197-4219	2.2	21
178	On the new wave behavior of the Magneto-Electro-Elastic(MEE) circular rod longitudinal wave equation. *International Journal of Optimization and Control: Theories and Applications*, **2020**, 10, 1-8	1.5	3
177	New Contour Surfaces to the (2+1)-Dimensional Boussinesq Dynamical Equation **2020**, 291-305		
176	Vulnerability Variants and Path Factors in Networks. *Lecture Notes in Computer Science*, **2020**, 1-11	0.9	
175	On the Solitary Wave Solutions to the (2+1)-Dimensional Davey-Stewartson Equations. *Advances in Intelligent Systems and Computing*, **2020**, 156-165	0.4	3
174	Some Novel Solutions of the Coupled Whitham-Broer-Kaup Equations. *Advances in Intelligent Systems and Computing*, **2020**, 200-208	0.4	6
173	Analytical Solutions to the Coupled Boussinesq-Burgers Equations via Sine-Gordon Expansion Method. *Advances in Intelligent Systems and Computing*, **2020**, 233-240	0.4	6
172	An Efficient Technique for Coupled Fractional Whitham-Broer-Kaup Equations Describing the Propagation of Shallow Water Waves. *Advances in Intelligent Systems and Computing*, **2020**, 49-75	0.4	7
171	A Variant of Sun Toughness and the Existence of Path Factors in Networks. *Lecture Notes in Computer Science*, **2020**, 12-19	0.9	3
170	Optical solitons and modulation instability analysis of the (1 + 1)-dimensional coupled nonlinear Schrödinger equation. *Communications in Theoretical Physics*, **2020**, 72, 025003	2.4	21
169	Newly modified method and its application to the coupled Boussinesq equation in ocean engineering with its linear stability analysis. *Communications in Theoretical Physics*, **2020**, 72, 115002	2.4	6
168	An efficient analytical approach for fractional Lakshmanan-Porsezian-Daniel model. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 4136	2.3	14
167	On the complex solutions to the (3+1)-dimensional conformable fractional modified KdV-Zakharov-Kuznetsov equation. *Modern Physics Letters B*, **2020**, 34, 2050069	1.6	23

148	Jacobi elliptic function solutions of the double dispersive equation in the Murnaghan's rod. *European Physical Journal Plus*, **2019**, 134, 1	3.1	14
147	Complex Soliton Solutions to the Gilson Pickering Model. *Axioms*, **2019**, 8, 18	1.6	40
146	Residual Power Series Method for Fractional Swift Hohenberg Equation. *Fractal and Fractional*, **2019**, 3, 9	3	29
145	Two novel computational techniques for fractional Gardner and Cahn-Hilliard equations. *Computational and Mathematical Methods*, **2019**, 1, e1021	0.9	39
144	On the new wave behavior to the Klein Gordon Zakharov equations in plasma physics. *Indian Journal of Physics*, **2019**, 93, 393-399	1.4	42
143	An efficient technique for a fractional-order system of equations describing the unsteady flow of a polytropic gas **2019**, 93, 1		11
142	Solitons in conformable time-fractional Wu Zhang system arising in coastal design **2019**, 93, 1		13
141	New singular soliton solutions to the longitudinal wave equation in a magneto-electro-elastic circular rod with M-derivative. *Modern Physics Letters B*, **2019**, 33, 1950251	1.6	35
140	New numerical simulations for some real world problems with Atangana Baleanu fractional derivative. *Chaos, Solitons and Fractals*, **2019**, 128, 34-43	9.3	92
139	Complex surfaces to the fractional (2 + 1)-dimensional Boussinesq dynamical model with the local M-derivative. *European Physical Journal Plus*, **2019**, 134, 1	3.1	31
138	On the Solvability of a Mixed Problem for a High-Order Partial Differential Equation with Fractional Derivatives with Respect to Time, with Laplace Operators with Spatial Variables and Nonlocal Boundary Conditions in Sobolev Classes. *Mathematics*, **2019**, 7, 235	2.3	3
137	A New Investigation on Fractional-Ordered Neutral Differential Systems with State-Dependent Delay. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2019**, 20, 803-809	1.8	33
136	Applications of He's semi-inverse variational method and ITEM to the nonlinear long-short wave interaction system. *International Journal of Advanced and Applied Sciences*, **2019**, 6, 53-64	1.2	3
135	New Complex and Hyperbolic Forms for Ablowitz Kaup Newell Segur Wave Equation with Fourth Order. *Applied Mathematics and Nonlinear Sciences*, **2019**, 4, 93-100	4	30
134	New Complex Hyperbolic Structures to the Lonngren-Wave Equation by Using Sine-Gordon Expansion Method. *Applied Mathematics and Nonlinear Sciences*, **2019**, 4, 129-138	4	76
133	The new extended rational SGEEM for construction of optical solitons to the (2+1) dimensional Kundu Mukherjee Naskar model. *Applied Mathematics and Nonlinear Sciences*, **2019**, 4, 513-522	4	21
132	Optical solitons to the fractional Schr dinger-Hirota equation. *Applied Mathematics and Nonlinear Sciences*, **2019**, 4, 535-542	4	30
131	On the Dark and Bright Solitons to the Negative-Order Breaking Soliton Model with (2+1)-Dimensional. *Springer Proceedings in Mathematics and Statistics*, **2019**, 229-242	0.2	1

130	Solvability of the mixed problem of a high-order PDE with fractional time derivatives, Sturm-Liouville operators on spatial variables and non-local boundary conditions. *Rocky Mountain Journal of Mathematics*, **2019**, 49,	1.4	1
129	The solitary wave solutions to the fractional Radhakrishnan\Kundu\Lakshmanan model. *International Journal of Modern Physics B*, **2019**, 33, 1950370	1.1	11
128	Complex and Real Optical Soliton Properties of the Paraxial Non-linear Schr\dinger Equation in Kerr Media With M-Fractional. *Frontiers in Physics*, **2019**, 7,	3.9	37
127	A powerful approach for fractional Drinfeld\Sokolov\Wilson equation with Mittag-Leffler law. *AEJ - Alexandria Engineering Journal*, **2019**, 58, 1301-1311	6.1	56
126	Boussinesq equations: M-fractional solitary wave solutions and convergence analysis. *Journal of Ocean Engineering and Science*, **2019**, 4, 1-6	4.4	14
125	New numerical surfaces to the mathematical model of cancer chemotherapy effect in Caputo fractional derivatives. *Chaos*, **2019**, 29, 013119	3.3	95
124	On the exact and numerical solutions to the coupled Boussinesq equation arising in ocean engineering. *Indian Journal of Physics*, **2019**, 93, 647-656	1.4	54
123	Regarding some novel exponential travelling wave solutions to the Wu\Zhang system arising in nonlinear water wave model. *Indian Journal of Physics*, **2019**, 93, 1031-1039	1.4	12
122	Soliton solutions of some nonlinear evolution problems by GKM. *Neural Computing and Applications*, **2019**, 31, 287-294	4.8	9
121	On the bright and singular optical solitons to the ((2+1))-dimensional NLS and the Hirota equations. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	29
120	On the soliton solutions to the Nizhnik-Novikov-Veselov and the Drinfel\d-Sokolov systems. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	78
119	Cancer treatment model with the Caputo-Fabrizio fractional derivative. *European Physical Journal Plus*, **2018**, 133, 1	3.1	84
118	Dark, bright optical and other solitons with conformable space-time fractional second-order spatiotemporal dispersion. *Optik*, **2018**, 163, 1-7	2.5	38
117	Optical solitons to the space-time fractional (1+1)-dimensional coupled nonlinear Schr\dinger equation. *Optik*, **2018**, 167, 150-156	2.5	113
116	Dynamic of solitary wave solutions in some nonlinear pseudoparabolic models and Dodd\Bullough\Mikhailov equation. *Indian Journal of Physics*, **2018**, 92, 999-1007	1.4	22
115	On the new wave solutions to a nonlinear model arising in plasma physics. *European Physical Journal Plus*, **2018**, 133, 1	3.1	24
114	On the solitary wave solutions to the longitudinal wave equation in MEE circular rod. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	22
113	Investigations of dark, bright, combined dark-bright optical and other soliton solutions in the complex cubic nonlinear Schr\dinger equation with δ-potential. *Superlattices and Microstructures*, **2018**, 115, 19-29	2.8	41

112	Investigation of various soliton solutions to the Heisenberg ferromagnetic spin chain equation. *Journal of Electromagnetic Waves and Applications*, **2018**, 32, 1093-1105	1.3	46
111	Complex acoustic gravity wave behaviors to some mathematical models arising in fluid dynamics and nonlinear dispersive media. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	22
110	On the analytical and numerical solutions of the Benjamin□Bona□Mahony equation. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	33
109	New structural dynamics of isolated waves via the coupled nonlinear Maccari□s system with complex structure. *Indian Journal of Physics*, **2018**, 92, 1281-1290	1.4	28
108	New results on nondensely characterized integrodifferential equations with fractional order. *European Physical Journal Plus*, **2018**, 133, 1	3.1	36
107	Dark, bright and other optical solitons to the decoupled nonlinear Schrödinger equation arising in dual-core optical fibers. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	27
106	Optical solitons to the resonant nonlinear Schrödinger equation with both spatio-temporal and inter-modal dispersions under Kerr law nonlinearity. *Optik*, **2018**, 163, 49-55	2.5	47
105	Numerical simulation and solutions of the two-component second order KdV evolutionarysystem. *Numerical Methods for Partial Differential Equations*, **2018**, 34, 211-227	2.5	97
104	Optical solitons and other solutions to the conformable space□time fractional Fokas□Lenells equation. *Optik*, **2018**, 172, 20-27	2.5	68
103	Novel features of the nonlinear model arising in nano-ionic currents throughout microtubules. *Indian Journal of Physics*, **2018**, 92, 1137-1143	1.4	2
102	Optical solitons and other solutions to the conformable space□time fractional complex Ginzburg□Landau equation under Kerr law nonlinearity **2018**, 91, 1		26
101	Bright, dark optical and other solitons to the generalized higher-order NLSE in optical fibers. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	22
100	Solutions of partial differential equations using the fractional operator involving Mittag-Leffler kernel. *European Physical Journal Plus*, **2018**, 133, 1	3.1	76
99	Solitons in an inhomogeneous Murnaghan□s rod. *European Physical Journal Plus*, **2018**, 133, 1	3.1	54
98	On the numerical investigations to the Cahn-Allen equation by using finite difference method. *International Journal of Optimization and Control: Theories and Applications*, **2018**, 9, 18-23	1.5	17
97	Performance comparison of aboveground and underground solar ponds. *Thermal Science*, **2018**, 22, 953-961	2.1	1
96	Nonlinear Dynamical Model for DNA. *Trends in Mathematics*, **2018**, 115-141	0.3	3
95	Dynamics of soliton solutions in the chiral nonlinear Schrödinger equations. *Nonlinear Dynamics*, **2018**, 91, 1985-1991	5	68

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94	Novel complex and hyperbolic forms to the strain wave equation in microstructured solids. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	26
93	Dark, bright and other soliton solutions to the Heisenberg ferromagnetic spin chain equation. *Superlattices and Microstructures*, **2018**, 123, 12-19	2.8	40
92	Optical Solitons and Other Solutions to the (2+1)-Dimensional Cubic Nonlinear Schrödinger Equation with Fractional Temporal Evolution. *ITM Web of Conferences*, **2018**, 22, 01053	0.1	2
91	Stability Analysis, Numerical and Exact Solutions of the (1+1)-Dimensional NDMBBM Equation. *ITM Web of Conferences*, **2018**, 22, 01064	0.1	19
90	Regarding the numerical solutions of the Sharma-Tasso-Olver equation. *ITM Web of Conferences*, **2018**, 22, 01036	0.1	13
89	On the exact solitary wave solutions to the long-short wave interaction system. *ITM Web of Conferences*, **2018**, 22, 01063	0.1	7
88	A New Method for (4+1) Dimensional Fokas Equation. *ITM Web of Conferences*, **2018**, 22, 01065	0.1	5
87	Construction of various soliton solutions via the simplified extended sinh-Gordon equation expansion method. *ITM Web of Conferences*, **2018**, 22, 01062	0.1	3
86	On the wave solutions to the TRLW equation. *ITM Web of Conferences*, **2018**, 22, 01033	0.1	
85	Complex Acoustic Gravity Wave Behaviors to a Mathematical Model Arising in Nonlinear Mathematical Physics. *ITM Web of Conferences*, **2018**, 22, 01032	0.1	2
84	On the exact and numerical solutions to a nonlinear model arising in mathematical biology. *ITM Web of Conferences*, **2018**, 22, 01061	0.1	10
83	Optical solitons to the fractional perturbed Radhakrishnan–Kundu–Lakshmanan model. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	26
82	Analytical solutions for nonlinear long–short wave interaction systems with highly complex structure. *Journal of Computational and Applied Mathematics*, **2017**, 312, 257-266	2.4	24
81	New solitary and optical wave structures to the (1 + 1)-dimensional combined KdV–mKdV equation. *Optik*, **2017**, 135, 327-336	2.5	41
80	Numerical simulations to the nonlinear model of interpersonal relationships with time fractional derivative **2017**,		18
79	Application of the modified exponential function method to the Cahn-Allen equation **2017**,		2
78	On the novel wave behaviors to the coupled nonlinear Maccari's system with complex structure. *Optik*, **2017**, 131, 1036-1043	2.5	53
77	New complex and hyperbolic function solutions to the generalized double combined Sinh-Cosh-Gordon equation **2017**,		36

76	Some Novel Exponential and Complex Structural Properties of the Fisher Equation Arising in Mathematical Bioscience. *ITM Web of Conferences*, **2017**, 13, 01017	0.1	3
75	Novel Behaviors to the Nonlinear Evolution Equation Describing the Dynamics of Ionic Currents along Microtubules. *ITM Web of Conferences*, **2017**, 13, 01015	0.1	5
74	On numerical solution of fractional order boundary value problem with shooting method. *ITM Web of Conferences*, **2017**, 13, 01032	0.1	2
73	Some Prototype Results of the Symmetric Regularized Long Wave Equation Arising in Nonlinear Ion Acoustic Waves. *ITM Web of Conferences*, **2017**, 13, 01016	0.1	1
72	Novel hyperbolic behaviors to some important models arising in quantum science. *Optical and Quantum Electronics*, **2017**, 49, 1	2.4	16
71	Pisa Question and Reasoning Skill. *ITM Web of Conferences*, **2017**, 13, 01002	0.1	1
70	Cryptanalysis of Application of Laplace Transform for Cryptography. *ITM Web of Conferences*, **2017**, 13, 01009	0.1	
69	Regarding on The Novel Forms of the (3+1) - Dimensional Kadomstev-Petviashvili Equation. *ITM Web of Conferences*, **2017**, 13, 01018	0.1	2
68	On Some Complex Aspects of the (2+1)-dimensional Broer-Kaup-Kupershmidt System. *ITM Web of Conferences*, **2017**, 13, 01019	0.1	21
67	Asymptotically Statistical Equivalent of Order n Amenable Semigroups. *ITM Web of Conferences*, **2017**, 13, 01004	0.1	
66	Novel wave surfaces to the fractional Zakharov-Kuznetsov-Benjamin-Bona-Mahony equation **2017**,		13
65	New wave simulations to the (3+1)-dimensional modified Kdv-Zakharov-Kuznetsov equation **2017**,		1
64	On the new hyperbolic and trigonometric structures to the simplified MCH and SRLW equations. *European Physical Journal Plus*, **2017**, 132, 1	3.1	18
63	Novel archetypes of new coupled Konno-Oono equation by using sine-Gordon expansion method. *Optical and Quantum Electronics*, **2017**, 49, 1	2.4	39
62	Investigation of various travelling wave solutions to the extended (2+1)-dimensional quantum ZK equation. *European Physical Journal Plus*, **2017**, 132, 1	3.1	28
61	On the new soliton and optical wave structures to some nonlinear evolution equations. *European Physical Journal Plus*, **2017**, 132, 1	3.1	31
60	New solitary wave solutions to the (2+1)-dimensional Calogero-Bogoyavlenskii-Schiff and the Kadomtsev-Petviashvili hierarchy equations. *Indian Journal of Physics*, **2017**, 91, 1237-1243	1.4	31
59	Two new applications of tan(F(ξ)/2) -expansion method. *Optik*, **2017**, 131, 539-546	2.5	3

58	Classifications on the travelling wave solutions to the (3+1)-dimensional generalized KP and Jimbo-Miwa equations. *ITM Web of Conferences*, **2017**, 13, 01021	0.1	
57	Continuous ultrasonic thickness measurement technology. *ITM Web of Conferences*, **2017**, 13, 01026	0.1	2
56	Some Wave Simulation Properties of the (2+1) Dimensional Breaking Soliton Equation. *ITM Web of Conferences*, **2017**, 13, 01014	0.1	2
55	New acoustic wave behaviors to the Davey–Stewartson equation with power-law nonlinearity arising in fluid dynamics. *Nonlinear Dynamics*, **2016**, 86, 177-183	5	109
54	Dark and new travelling wave solutions to the nonlinear evolution equation. *Optik*, **2016**, 127, 8043-8055	2.5	12
53	Exponential prototype structures for (2+1)-dimensional Boiti-Leon-Pempinelli systems in mathematical physics. *Waves in Random and Complex Media*, **2016**, 26, 189-196	1.9	89
52	On the complex and hyperbolic structures of the longitudinal wave equation in a magneto-electro-elastic circular rod. *Smart Materials and Structures*, **2016**, 25, 035022	3.4	73
51	All exact travelling wave solutions of Hirota equation and Hirota–Maccari system. *Optik*, **2016**, 127, 1848-1859	2.5	30
50	Generalized Kudryashov method for nonlinear fractional double sinh--Poisson equation. *Journal of Nonlinear Science and Applications*, **2016**, 09, 1349-1355	1.9	13
49	New Complex Hyperbolic Function Solutions for the (2+1)-Dimensional Dispersive Long Water–Wave System. *Mathematical and Computational Applications*, **2016**, 21, 6	1	13
48	SOME characteristic properties of analytical method of magnetic control of ferroimpurities in various primary and technological media. *MATEC Web of Conferences*, **2016**, 76, 02045	0.3	2
47	New solitary and optical wave structures to the Korteweg–de Vries equation with dual-power law nonlinearity. *Optical and Quantum Electronics*, **2016**, 48, 1	2.4	46
46	Chaos in the fractional order logistic delay system: Circuit realization and synchronization **2016**,		28
45	Regarding on the prototype solutions for the nonlinear fractional-order biological population model **2016**,		26
44	Some novel exponential function structures to the Cahn–Allen equation. *Cogent Physics*, **2016**, 3,	3.5	25
43	Investigation of a gas turbine-modular helium reactor using reactor grade plutonium with 232Th and 238U. *Progress in Nuclear Energy*, **2016**, 89, 110-119	2.3	8
42	New wave behaviors of the system of equations for the ion sound and Langmuir Waves. *Waves in Random and Complex Media*, **2016**, 26, 613-625	1.9	68
41	Prototype traveling wave solutions of new coupled Konno-Oono equation. *Optik*, **2016**, 127, 10786-10794	2.5	11

40	Analytical studies on the (1 + 1)-dimensional nonlinear Dispersive Modified Benjamin-Bona-Mahony equation defined by seismic sea waves. *Waves in Random and Complex Media*, **2015**, 25, 576-586	1.9	27
39	An Effective Schema for Solving Some Nonlinear Partial Differential Equation Arising In Nonlinear Physics. *Open Physics*, **2015**, 13,	1.3	11
38	An application of the new function method to the generalized double sinh-Gordon equation **2015**,		7
37	On the numerical solutions of some fractional ordinary differential equations by fractional Adams-Bashforth-Moulton method. *Open Mathematics*, **2015**, 13,	0.8	78
36	On the complex structures of Kundu-Eckhaus equation via improved Bernoulli sub-equation function method. *Waves in Random and Complex Media*, **2015**, 25, 720-728	1.9	64
35	Some exact solutions of generalized Zakharov system. *Waves in Random and Complex Media*, **2015**, 25, 75-90	1.9	19
34	Solutions of Nonlinear Fractional Differential Equations Systems through an Implementation of the Variational Iteration Method **2015**, 333-342		3
33	Active Control of a Chaotic Fractional Order Economic System. *Entropy*, **2015**, 17, 5771-5783	2.8	100
32	New Hyperbolic Function Solutions for Some Nonlinear Partial Differential Equation Arising in Mathematical Physics. *Entropy*, **2015**, 17, 4255-4270	2.8	25
31	On the Complex and Hyperbolic Structures for the (2 + 1)-Dimensional Boussinesq Water Equation. *Entropy*, **2015**, 17, 8267-8277	2.8	37
30	Sumudu Transform Method for Analytical Solutions of Fractional Type Ordinary Differential Equations. *Mathematical Problems in Engineering*, **2015**, 2015, 1-6	1.1	14
29	New solitary wave solutions of Maccari system. *Ocean Engineering*, **2015**, 103, 153-159	3.9	36
28	ON SOME NEW ANALYTICAL SOLUTIONS FOR THE (2+1)-DIMENSIONAL BURGERS EQUATION AND THE SPECIAL TYPE OF DODD-BULLOUGH-MIKHAILOV EQUATION. *Journal of Applied Analysis and Computation*, **2015**, 5, 613-625	0.4	2
27	Exact solutions of nonlinear Schrodinger's equation with dual power-law nonlinearity by extended trial equation method. *Waves in Random and Complex Media*, **2014**, 24, 439-451	1.9	37
26	On the Solution of Nonlinear Time-Fractional Generalized Burgers Equation by Homotopy Analysis Method and Modified Trial Equation Method. *International Journal of Modeling and Optimization*, **2014**, 4, 305-309	0.9	6
25	Generalized Kudryashov Method for Time-Fractional Differential Equations. *Abstract and Applied Analysis*, **2014**, 2014, 1-13	0.7	32
24	The solution of fractional wave equation by using modified trial equation method and homotopy analysis method **2014**,		8
23	On the exact solutions of high order wave equations of KdV type (I) **2014**,		1

22	Mathematical analysis of the Generalized Benjamin and Burger-Kdv Equations via the Extended Trial Equation MethodPeer review under responsibility of University of Bahrain.View all notes. *Journal of the Association of Arab Universities for Basic and Applied Sciences*, **2014**, 16, 91-100		3
21	The Analytical Solution of Some Fractional Ordinary Differential Equations by the Sumudu Transform Method. *Abstract and Applied Analysis*, **2013**, 2013, 1-6	0.7	42
20	Classification of Exact Solutions for Generalized Form of Equation. *Abstract and Applied Analysis*, **2013**, 2013, 1-11	0.7	6
19	The Modified Trial Equation Method for Fractional Wave Equation and Time Fractional Generalized Burgers Equation. *Abstract and Applied Analysis*, **2013**, 2013, 1-8	0.7	60
18	New Multiple Solution to the Boussinesq Equation and the Burgers-Like Equation. *Journal of Applied Mathematics*, **2013**, 2013, 1-6	1.1	3
17	Symmetrical hyperbolic Fibonacci function solutions of generalized Fisher equation with fractional order **2013**,		14
16	Modified Trial Equation Method to the Nonlinear Fractional SharmaTassoOlever Equation. *International Journal of Modeling and Optimization*, **2013**, 353-357	0.9	19
15	The solutions of partial differential equations with variable coefficient by Sumudu Transform Method **2012**,		6
14	The efficacy of Ankaferd Blood Stopper for the management of bleeding following total thyroidectomy. *Journal of Investigative Surgery*, **2011**, 24, 205-10	1.2	21
13	Numerical solution of a viscous incompressible flow problem through an orifice by Adomian decomposition method. *Applied Mathematics and Computation*, **2004**, 153, 733-741	2.7	24
12	Almost sectorial operators on Hilfer derivative fractional impulsive integro-differential equations. *Mathematical Methods in the Applied Sciences*,	2.3	60
11	New dynamical behaviour of the coronavirus (COVID-19) infection system with nonlocal operator from reservoirs to people		8
10	GenelleStirilmiShiperbolik Burgers denkleminin yeni mixed-dark soliton Zözmleri. *BalSkesir Üniversitesi Fen Bilimleri EnstitüsS Dergisi*, 503-511	0.5	1
9	Rational solutions, and the interaction solutions to the (2 + 1)-dimensional time-dependent DateJimboKashiwaraSMiwa equation. *International Journal of Computer Mathematics*, 1-9	1.2	9
8	Fractional vector-borne disease model with lifelong immunity under Caputo operator. *Physica Scripta*,	2.6	2
7	Analytical solutions to the M-derivative resonant DaveyStewartson equations. *Modern Physics Letters B*, 2150455	1.6	9
6	REGARDING NEW NUMERICAL RESULTS FOR THE DYNAMICAL MODEL OF ROMANTIC RELATIONSHIPS WITH FRACTIONAL DERIVATIVE. *Fractals*, 2240009	3.2	2
5	Evaluation of heat and mass transfer in ferromagnetic fluid flow over a stretching sheet with combined effects of thermophoretic particle deposition and magnetic dipole. *Waves in Random and Complex Media*, 1-19	1.9	6

List of Publications

4	ON THE COMPLEX MIXED DARK-BRIGHT WAVE DISTRIBUTIONS TO SOME CONFORMABLE NONLINEAR INTEGRABLE MODELS. *Fractals,*2240018	3.2	7
3	Simulation of Wave Solutions of a Mathematical Model Representing Communication Signals. *Journal of the Institute of Science and Technology,*3086-3097	0	0
2	Some new results of nonlinear model arising in incompressible visco-elastic KelvinVoigt fluid. *Mathematical Methods in the Applied Sciences,*	2.3	1
1	The epidemic COVID-19 model via CaputoFabrizio fractional operator. *Waves in Random and Complex Media,*1-15	1.9	0