



علوم پایه / ریاضی

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سامعی

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وب سایت:

پروفایل علم سنجی:

مقالات علمی چاپ شده در مجلات

- $\mathscr{SEIARS}$  model for analyzing  $\mathcal{COVID}$ -19 pandemic process via  $\mathscr{Caputo}$  fractional derivative and numerical simulation  
 Mohammad Esmael Samei, بهنام محمدعلنی, Vahid Roomi  
 Scientific Reports, 2024
- Stability analysis for a tripled system of fractional pantograph differential equations with nonlocal conditions  
 Mohammad Esmael Samei, Hasanen A. Hammad, Rashwan A. Rashwan, Ahmed Nafea, Samad Noeiaghdam  
 JOURNAL OF VIBRATION AND CONTROL, 2024
- Solitary wave solutions of Camassa-Holm Nonlinear Schrödinger and  $(3+1)$ -dimensional Boussinesq Equations  
 Mohammad Esmael Samei, Maasoomah Sadaf, Saima Arshad, Ghazala Akram, Muhammad Abdaal Bin Iqbal  
 OPTICAL AND QUANTUM ELECTRONICS, 2024
- To numerical explore a fractional implicit  $Q$ -differential equations with Hilfer type and via nonlocal conditions  
 Mohammad Esmael Samei, Alireza Hatami  
 mathematical analysis and convex optimization, 2024
- Solvability and Ulam-Hyers-Rassias stability for generalized sequential quantum fractional pantograph equations  
 Mohammad Esmael Samei, Mohamed Houas  
 Partial Differential Equations in Applied Mathematics, 2024
- Existence and stability of a  $q$ -Caputo fractional jerk differential equation having anti-periodic boundary conditions  
 Mohammad Esmael Samei, Akbar Zada, Khansa Hina Khalid, Ioan-Lucian Popa  
 Boundary Value Problems, 2024
- Oscillation criteria for even-order nonlinear dynamic equations with sublinear and superlinear neutral terms on time scales  
 Mohammad Esmael Samei, Jehad Alzabut, Shyam Sundar Santra, Said R. Grace  
 Qualitative Theory of Dynamical Systems, 2024
- Stability analysis and existence criteria with numerical illustrations to fractional jerk differential system involving generalized Caputo derivative  
 Mohammad Esmael Samei, shahram Rezapour, Sina Etemad, Jehad Alzabut, Mohammed M. Matar Matar, Abdelkader Amara  
 Qualitative Theory of Dynamical Systems, 2024
- On a Duffing-type oscillator differential equation on the transition to chaos with fractional  $q$ -derivatives  
 Mohammad Esmael Samei, Jehad Alzabut, Mohamed Houas, Shyam Sundar Santra  
 JOURNAL OF INEQUALITIES AND APPLICATIONS, 2024
- Solvability of a generalized  $\mathscr{psi}$ -Riemann-Liouville fractional BVP under nonlocal boundary conditions  
 Mohammad Esmael Samei, Faouzi Haddouchi  
 MATHEMATICS AND COMPUTERS IN SIMULATION, 2024

■ **Nonexistence of global solutions for a Hilfer–Katugampola fractional differential problem**

Mohammad Esmael Samei, Sandeep P. Bhairat  
Partial Differential Equations in Applied Mathematics, 2023

■ **On coupled snap system with integral boundary conditions in the G-Caputo sense**

Mohammad Esmael Samei, Mohammed M. Matar Matar, Sabri T. M. Thabet, Mohammed Abdullah Salman, Miguel Vivas-Cortez, Imed Kedim  
AIMS Mathematics, 2023

■ **Chaos control of fractional order nonlinear Bloch equation by utilizing sliding mode controller**

Mohammad Esmael Samei, Chandrali Baishya, R. N. Premakumari, Manisha Krishna Naik  
CHAOS SOLITONS & FRACTALS, 2023

■ **Study on the oscillation of solution to second-order impulsive systems**

Mohammad Esmael Samei, Shyam Sundar Santra, Palash Mondal, Hammad Alotaibi, Mohamed Altanji, Thongchai Botmart  
AIMS Mathematics, 2023

■ **Solvability of  $\rho$ -Hilfer fractional snap dynamic system on unbounded domains**

Mohammad Esmael Samei, Sabri T. M. Thabet, Miguel Vivas-Cortez, Imed Kedim, M. Iadh Ayari  
Fractal and Fractional, 2023

■ **Study of a sequential  $\psi$ -Hilfer fractional integro-differential equations with nonlocal BCs**

Mohammad Esmael Samei, shahram Rezapour, Faouzi Haddouchi  
Journal of Pseudo-Differential Operators and Applications, 2023

■ **Existence and Stability of Solutions for Linear and Nonlinear Damping of q-Fractional Duffing–Rayleigh Problem**

Mohammad Esmael Samei, Mohamed Houas  
Mediterranean Journal of Mathematics, 2023

■ **Investigation of the Solution for the  $k$ -dimensional Device of Differential Inclusion of Laplacein Fraction with Sequential Derivatives and Boundary Conditions of Integral and Derivative**

Mohammad Esmael Samei, shahram Rezapour, Mostafa Fatehi  
Journal of Mathematical Extension, 2023

■ **Existence and stability results for a class of nonlinear fractional q-integro-differential equation**

Mohammad Esmael Samei, . .  
International Journal of Nonlinear Analysis and Applications, 2023

■ **Solvability and stability for a fractional quantum jerk type problem including Riemann–Liouville-Caputo fractional  $\square$ -derivatives**

Mohammad Esmael Samei, shahram Rezapour, Mohamed Houas  
Partial Differential Equations in Applied Mathematics, 2023

■ **On ABC coupled Langevin fractional differential equations constrained by Perov’s fixed point in generalized Banach spaces**

Mohammad Esmael Samei, Jihad Alzabut, Mohammed M. Matar Matar, Abdelatif Boutiara, Hasib Khan  
AIMS Mathematics, 2023

■ **On solutions of a hybrid generalized Caputo-type problem via the noncompactness measure in the generalized version of Darbo’s criterion**

Mohammad Esmael Samei, shahram Rezapour, Sina Etemad, Abdelatif Boutiara, Mohammed K. A. Kaabar, Naas Adjimi  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2023

■ **New best proximity point (pair) theorems via MNC and application to the existence of optimum solutions for a system of  $\psi$ -Hilfer fractional differential equations**

Mohammad Esmael Samei, Moosa Gabeleh, Pradip Ramesh Patle, Vladimir Rakocevic  
Revista de la Real Academia de Ciencias Exactas Físicas y Naturales Serie A-Matemáticas, 2023

■ **Existence and uniqueness results for fractional boundary value problems with multiple orders of fractional derivatives and integrals**

Mohammad Esmael Samei, Mohammed K. A. Kaabar, Maamar Benbachir, Tahar Kherraz, Mustapha Lakrib, Shailesh A. Bhanotar  
CHAOS SOLITONS & FRACTALS, 2023

■ Existence and stability analysis for a class of fractional pantograph  $q$ -difference equations with nonlocal boundary conditions

Mohammad Esmael Samei, Adel Lachouri, Abdelouaheb Ardjouni  
Boundary Value Problems, 2023

■ Analytical treatment on the nonlinear Schrödinger equation with the parabolic law

Mohammad Esmael Samei, Xiang-Lin Han, Mir Sajjad Hashemi, Ali Akgözü, Sayed M. El Din  
Results in Physics, 2023

■ Investigation of the Generalized Proportional Langevin and Sturm–Liouville Fractional Differential Equations via Variable Coefficients and Antiperiodic Boundary Conditions with a Control Theory Application Arising from Complex Networks

Mohammad Esmael Samei, Abdelatif Boutiara, Mohammed K. A. Kaabar, Zailan Siri, Xiao-Guang Yue  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2022

■ Stability and Existence of Solutions for a Triple Problem of Fractional Hybrid Delay Differential Equations

Mohammad Esmael Samei, Hasanen A. Hammad, Rashwan A. Rashwan, Ahmed Nafea, Manuel De la Sen  
Symmetry-Basel, 2022

■ Blowing-up solutions for time-fractional equations on a bounded domain

Mohammad Esmael Samei, Abdelatif Boutiara, Mohammed K. A. Kaabar, Maamar Benbachir, Xiao-Guang Yue  
Advances in Mechanical Engineering, 2022

■ Existence of positive solutions for  $p$ -Laplacian boundary value problems of fractional differential equations

Mohammad Esmael Samei, Maamar Benbachir, Farid Chabane, Mohammed Hachama  
Boundary Value Problems, 2022

■ Some inequalities on multi-functions for applying in the fractional Caputo–Hadamard jerk inclusion system

Mohammad Esmael Samei, shahram Rezapour, Sina Etemad, Jihad Alzabut, Iram Iqbal, Weerawat Sudsutad, Izzet Goksel  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2022

■ Time accurate solution to Benjamin–Bona–Mahony–Burgers equation via Taylor–Boubaker series scheme

Mohammad Esmael Samei, Mohammad Izadi  
Boundary Value Problems, 2022

■ Explicit iteration and unbounded solutions for fractional  $q$ -difference equations with boundary conditions on an infinite interval

Mohammad Esmael Samei, Abdelatif Boutiara, Mohammed K. A. Kaabar, Francisco Martinez, Maamar Benbachir, Melike Kaplan  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2022

■ To investigate a class of multi-singular pointwise defined fractional  $q$ -integro-differential equation with applications

Mohammad Esmael Samei, Mohammed K. A. Kaabar, Lotfollah Karimi  
AIMS Mathematics, 2022

■ Uniqueness and Ulam–Hyers–Rassias stability results for sequential fractional pantograph  $q$ -differential equations

Mohammad Esmael Samei, Mohammed K. A. Kaabar, Francisco Martinez, Mohamed Houas  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2022

■ A novel Elzaki transform Homotopy perturbation method for solving time-fractional non-linear partial differential equations

Mohammad Esmael Samei, Mohammed K. A. Kaabar, Francisco Martinez, Sajad Iqbal  
Boundary Value Problems, 2022

■ Existence of Urysohn and Atangana-Baleanu fractional integral inclusion systems solutions via common fixed point of multi-valued operators

Mohammad Esmael Samei, Pari Amiri  
Chaos; Solitons and Fractals, 2022

■ On the Global Behaviour of Solutions for A Delayed Viscoelastic-Type Petrovsky Wave Equation with  $p$ -

## Laplacian Operator and Logarithmic Source

Mohammad Esmael Samei, Jihad Alzabut, Bochra Belhadji, Nahid Fatima  
Mathematics, 2022

### ■ A generalized approach of the Gilpin-Ayala model with fractional derivatives under numerical simulation

Mohammad Esmael Samei, Jihad Alzabut, Weerawat Sudsutad, Manel Amdouni, Chatthai Thaiprayoon  
Mathematics, 2022

### ■ A Multi-Index Generalized Derivative Some Introductory Notes

Mohammad Esmael Samei, Miguel Vivas-Cortez, Luciano M. Lugo Motta Bittencourt, Juan E. Napoles Valdes  
Applied Mathematics and Information Sciences, 2022

### ■ A novel investigation of non-periodic snap BVP in the G-Caputo sense

Mohammad Esmael Samei, Mohammed M. Matar Matar, Mohammed K. A. Kaabar, Xiao-Guang Yue, Amel Berhail, Nora Tabouche, Xiaofeng Wang  
Axioms, 2022

### ■ Existence and Mittag-Leffler-Ulam-Stability Results for Duffing Type Problem Involving Sequential Fractional Derivatives

Mohammad Esmael Samei, Mohamed Houas  
International Journal of Applied and Computational Mathematics, 2022

### ■ New results on the existence of periodic solutions for Rayleigh equations with state-dependent delay

Mohammad Esmael Samei, Jihad Alzabut, Rajendiran Eswari, Cemil Tunc, Jagan Mohan Jonnalagadda  
Nonautonomous Dynamical Systems, 2022

### ■ Using the Hilfer–Katugampola fractional derivative in initial-value Mathieu fractional differential equations with application to a particle in the plane

Mohammad Esmael Samei, Jihad Alzabut, Amel Berhail, Nora Tabouche  
Advances in Difference Equations, 2022

### ■ Using Krasnoselskii's theorem to investigate the Cauchy and neutral fractional q-integrodifferential equation via numerical technique

Mohammad Esmael Samei, . . ., Mohammed K. A. Kaabar, Xiao-Guang Yue, Arton Kashuri  
Nonlinear Engineering - Modeling and Application, 2022

### ■ Using p-cone arcwise connectedness on parametric set-valued optimization problems

Mohammad Esmael Samei, Koushik Das  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2022

### ■ Fixed Point Theory and the Liouville–Caputo Integro-Differential FBVP with Multiple Nonlinear Terms

Mohammad Esmael Samei, shahram Rezapour, Sina Etemad, Ali Boulfoul, Brahim Tellab, Reny George  
Journal of Function Spaces, 2022

### ■ On the generalized fractional snap boundary problems via G-Caputo operators: existence and stability analysis

Mohammad Esmael Samei, shahram Rezapour, Sina Etemad, Mohammed M. Matar Matar  
Advances in Difference Equations, 2021

### ■ A Generalized ML-Hyers-Ulam Stability of Quadratic Fractional Integral Equation

Mohammad Esmael Samei, Vida Kalvandi, Mohammed K. A. Kaabar, Zailan Siri, Francisco Martinez, Nasrin Eghbali  
Nonlinear Engineering, 2021

### ■ A q-Gradient Descent Algorithm with Quasi-Fejer Convergence for Unconstrained Optimization Problems

Mohammad Esmael Samei, Shashi Kant Mishra, Suvra Kanti Chakraborty, Bhagwat Ram, Mohammed K. A. Kaabar, Predrag Rajkovic  
Symmetry-Basel, 2021

### ■ On periodic solutions of a discrete Nicholson's dual system with density-dependent mortality and harvesting terms

Mohammad Esmael Samei, Hui Zhou, Jihad Alzabut, Rajendiran Eswari  
Advances in Difference Equations, 2021

### ■ Monotone Iterative Method for phi-Caputo Fractional Differential Equation with Nonlinear Boundary Conditions

Mohammad Esmael Samei, Jihad Alzabut, Mohammed K. A. Kaabar, Zailan Siri, Zidane Baitiche, Choukri Derbazi  
Symmetry-Basel, 2021

■ **Attractivity and Global Attractivity for System of Fractional Functional and Nonlinear Fractional q-Differential Equations**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei, Davoud Nazari Susahab  
Journal of Mathematical Extension, 2021

■ **using approximate endpoint property on existing solutions for two inclusion problems of the fractional q-differential**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei  
دانشگاه فردوسی مشهد, 2021  
Iranian Journal of Numerical Analysis and Optimization

■ **Reply to comment on “Asymmetric variation of a finite mass harmonic like oscillator”**

Mohammad Esmael Samei, Jihad Asad, Parveen Mallick, Biswanath Rath, Prachiparava Mohapatrab, Hussein Shanaka, Rabab Jarrara  
Results in Physics, 2021

■ **Existence of solutions for a class of Caputo fractional q-difference inclusion on multifunctions by computational results**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei, وحید هدایتی  
Kragujevac Journal of Mathematics, 2021

■ **Existence, uniqueness and stability analysis of a coupled fractional-order differential systems involving Hadamard derivatives and associated with multi-point boundary conditions**

Mohammad Esmael Samei, Jihad Alzabut, Dumitru Baleanu, Muthaiah Subramanian, Akbar Zada  
Advances in Difference Equations, 2021

■ **Mittag-Leffler-Hyer-Ulam-Rassias stability of cubic functional equation**

Mohammad Esmael Samei, Vida Kalvandi  
Mathematics and Computational Sciences, 2021

■ **Langevin differential equation in frame of ordinary and Hadamard fractional derivatives under three point boundary conditions**

Mohammad Esmael Samei, Jihad Alzabut, Yassine Adjabi, Mohammed M. Matar Matar  
AIMS Mathematics, 2021

■ **Applying quantum calculus for the existence of solution of q-integro-differential equations with three criteria**

Mohammad Esmael Samei, Thabet Abdeljawad  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, 2021

■ **A limited memory q-BFGS algorithm for unconstrained optimization problems**

Mohammad Esmael Samei, Kin Keung Lai, Shashi Kant Mishra, Geetanjali Panda, Suvra Kanti Chakraborty, Bhagwat Ram  
Journal of Applied Mathematics and Computing, 2021

■ **Well-posed conditions on a class of fractional q-differential equations by using the Schauder fixed point theorem**

Mohammad Esmael Samei, shahram Rezapour, Jihad Alzabut, A. George Maria Selvam  
Advances in Difference Equations, 2021

■ **Fixed point theorems of contraction mappings in complete b-metric space of zero at infinity varieties**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei, shahram Rezapour, Farhad Hosseinzadeh Lotfi  
Afrika Matematika, 2021

■ **Existence of Solutions for a Singular Fractional q-Differential Equations under Riemann–Liouville Integral Boundary Condition**

Mohammad Esmael Samei, رضوان غفاری, Mohammed K. A. Kaabar, Francisco Martinez, Shao-Wen Yao, Mustafa Inc  
Symmetry-Basel, 2021

■ **On multi-step methods for singular fractional q-integro-differential equations**

Mohammad Esmael Samei, سیده نرگس حاجی سیدعزیزی, Jihad Alzabut, Yu-ming Chu  
Open Mathematics, 2021

■ **A q-Polak–Ribiere–Polyak conjugate gradient algorithm for unconstrained optimization problems**

Mohammad Esmael Samei, Shashi Kant Mishra, Suvra Kanti Chakraborty, Bhagwat Ram

- **Asymptotic Stability of Nonlinear Discrete Fractional Pantograph Equations with Non-Local Initial Conditions**  
Mohammad Esmael Samei, Jihad Alzabut, A. George Maria Selvam, Rami A. El-Nabulsi, Vignesh Dhakshinamoorthy  
Symmetry-Basel, 2021
- **On q-variant of Dai–Yuan conjugate gradient algorithm for unconstrained optimization problems**  
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NONLINEAR DYNAMICS, 2021
- **Some analytical and numerical results for a fractional  ${}^cD_q$ -differential inclusion problem with double integral boundary conditions**  
Mohammad Esmael Samei, shahram Rezapour, Mehdi Shabib  
Advances in Difference Equations, 2021
- **Monotone Iterative and Upper–Lower Solution Techniques for Solving the Nonlinear  $\phi$ -Caputo Fractional Boundary Value Problem**  
Mohammad Esmael Samei, Jihad Alzabut, Abdelatif Boutiara, Maamar Benbachir  
Symmetry-Basel, 2021
- **SEIR epidemic model for COVID-19 transmission by Caputo derivative of fractional order**  
Mohammad Esmael Samei, shahram Rezapour, Hakimeh Mohammadi  
Advances in Difference Equations, 2020
- **Existence of solutions for  $k$ -dimensional system of multi-term fractional  ${}^cD_q$ -integro-differential equations under anti-periodic boundary conditions via quantum calculus**  
Mohammad Esmael Samei, Wengui Yang  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2020
- **Employing Kuratowski Measure of Non-compactness for Positive Solutions of System of Singular Fractional q-Differential Equations with Numerical Effects**  
Mohammad Esmael Samei  
Filomat, 2020
- **Solutions of sum-type singular fractional q integro-differential equation with m -point boundary value problem using quantum calculus**  
Mohammad Esmael Samei, shahram Rezapour, Ali Ahmadian, Soheil Salahshour  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 2020
- **An increasing variables singular system of fractional q-differential equations via numerical calculations**  
Mohammad Esmael Samei, shahram Rezapour, Dumitru Baleanu  
Advances in Difference Equations, 2020
- **On a system of fractional q-differential inclusions via sum of two multi-term functions on a time scale**  
Mohammad Esmael Samei, shahram Rezapour  
Boundary Value Problems, 2020
- **On existence and uniqueness of solutions for a class of coupled system of three term fractional  ${}^cD_q$ -differential equations**  
Mohammad Esmael Samei, احمد احمدى  
Journal of Advanced Mathematical Studies, 2020
- **New approach to solutions of a class of singular fractional  ${}^cD_q$ -differential problem via quantum calculus**  
Mohammad Esmael Samei, Sihua Liang  
Advances in Difference Equations, 2020
- **On q-BFGS algorithm for unconstrained optimization problems**  
Mohammad Esmael Samei, Shashi Kant Mishra, Geetanjali Panda, Suvra Kanti Chakraborty, Bhagwat Ram  
Advances in Difference Equations, 2020
- **On a fractional Caputo–Hadamard inclusion problem with sum boundary value conditions by using approximate endpoint property**

■ On a fractional  $q$ -differential inclusion on a time scale via endpoints and numerical calculations

Mohammad Esmael Samei, shahram Rezapour  
Advances in Difference Equations, 2020

■ Asymmetric variation of a finite mass harmonic like oscillator

Mohammad Esmael Samei, Jihad Asad, Parveen Mallick, Biswanath Rath, Prachiparava Mohapatrab, Hussein Shanaka, Rabab Jarrara  
Results in Physics, 2020

■ Solutions of two fractional  $q$ -integro-differential equations under sum and integral boundary value conditions on a time scale

Mohammad Esmael Samei, بهنام محمدعلنی, Jihad Alzabut  
Advances in Difference Equations, 2020

■  $\alpha$ - $\psi$ -contractions and solutions of a  $q$ -fractional differential inclusion with three-point boundary value conditions via computational results

Mohammad Esmael Samei, shahram Rezapour, Sina Etemad  
Advances in Difference Equations, 2020

■ APPROXIMATE ENDPOINT SOLUTIONS FOR A CLASS OF FRACTIONAL  $q$ -DIFFERENTIAL INCLUSIONS BY COMPUTATIONAL RESULTS

Mohammad Esmael Samei, shahram Rezapour, Melike Aydogan, Jose Francisco Gomez Aguilar, Dumitru Baleanu  
FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY, 2020

■ On the characterization of tripled partial metrics and tripled quasi-metrics

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei  
Azerbaijan Journal of Mathematics, 2020

■ On fractional hybrid and non-hybrid multi-term integro-differential inclusions with three-point integral hybrid boundary conditions

Mohammad Esmael Samei, shahram Rezapour, Sina Etemad  
Advances in Difference Equations, 2020

■ Uniform persistence and almost periodic solutions of a non-autonomous patch occupancy model

Mohammad Esmael Samei, shahram Rezapour, Hui Zhou, Jihad Alzabut  
Advances in Difference Equations, 2020

■ On the existence of solutions for a multi-singular point-wise defined fractional  $q$ -integro-differential equation

Mohammad Esmael Samei, shahram Rezapour  
Boundary Value Problems, 2020

■ The existence of solution for  $k$ -dimensional system of Langevin Hadamard-type fractional differential inclusions with  $2k$  different fractional orders

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei, وحید هدایتی  
Mediterranean Journal of Mathematics, 2020

■ Existence of solutions for a system of singular sum fractional  $q$ -differential equations via quantum calculus

Mohammad Esmael Samei  
Advances in Differential Equations, 2020

■ Some theorems of existence of solutions for fractional hybrid  $q$ -difference inclusion

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei  
Journal of Advanced Mathematical Studies, 2019

■ Positive solutions of fractional differential equation with two pieces in chain interval and simultaneous Dirichlet boundary conditions

Mohammad Esmael Samei, وحید هدایتی  
Boundary Value Problems, 2019

■ **New stability results for a sum-type fractional q-integro-differential equation**

Mohammad Esmael Samei, Vida Kalvandi  
Journal of Advanced Mathematical Studies, 2019

■ **Calculation of electron scattering cross sections for Anthracene, Pyridine and Warfarin molecules over energy range 10–30000 eV**

Mahdi Hajivaliei, Mohammad Esmael Samei, نسیم غلامی  
APPLIED RADIATION AND ISOTOPES, 2019

■ **Existence results for a fraction hybrid differential inclusion with Caputo-Hadamard type fractional derivative**

Mohammad Esmael Samei, وحید هدایتی, shahram Rezapour  
Advances in Difference Equations, 2019

■ **Convergence of an iterative scheme for multifunctions on fuzzy metric spaces**

Mohammad Esmael Samei  
Sahand Communications in Mathematical Analysis, 2019

■ **Some Fixed Point Results on Intuitionistic Fuzzy Metric Spaces with a Graph**

Mohammad Esmael Samei  
Sahand Communications in Mathematical Analysis, 2019

■ **A generalization of fixed point theorems about  $FF$ -contraction in particular  $SS$ -metric spaces and characterization of quasi-contraction maps in  $bB$ -metric spaces**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei  
University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, 2019

■ **Extraction new results of common fixed point theorems for  $(T, \alpha_s, F)$   $\mathcal{F}$ -contraction of six mappings in tripled  $bB$ -metric space with an application of integral equations**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2019

■ **Existence and uniqueness of solutions for multi-term fractional  $q$ -integro-differential equations via quantum calculus**

Mohammad Esmael Samei, Sotiris K. Ntouyas  
Advances in Difference Equations, 2019

■ **Existence of solutions for equations and inclusions of multi-term fractional  $q$ -integro-differential with non-separated and initial boundary conditions**

Ghorban Khilizadeh Ranjbar, Mohammad Esmael Samei, وحید هدایتی  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2019

■ **Fixed point theorem for mappings satisfying contractive condition of integral type on intuitionistic fuzzy metric space**

Mohammad Esmael Samei  
Electronic Journal of Linear Algebra, 2018

■ **SOME FIXED POINT RESULTS FOR  $\alpha$ - $\psi$ -CONTRACTIVE TYPE MAPPINGS ON INTUITIONISTIC FUZZY METRIC SPACES**

Mohammad Esmael Samei, shahram Rezapour  
J. Adv. Math. Stud., 2014

■ **Fixed points of some new contractions on intuitionistic fuzzy metric spaces**

Mohammad Esmael Samei, shahram Rezapour, Cristiana Ionescu  
Fixed Point Theory and Applications, 2013

■ **New fixed point results and the property (P) on ordered intuitionistic fuzzy metric spaces**

Mohammad Esmael Samei, shahram Rezapour  
University Politehnica of Bucharest Scientific Bulletin-Series A-Applied Mathematics and Physics, 2013

■ وجود جواب برخی مسائل مقدار مرزی غیرخطی شامل مشتق~کواتومی~کسری~هیلفر



■ شاخص سازی فضاهای متری  $S$ –هاسدورف و قضایای جفت نقطه ثابت قوی برای نگاشتهای انقباضی جفتی قربان خلیل زاده رنجبر، محمداسماعیل سامعی  
پژوهش های نوین در ریاضی (علوم پایه سابق) – دانشگاه آزاد اسلامی واحد علوم و تحقیقات، ۱۳۹۹

مقالات علمی ارائه شده در همایشها

■ Existence of solutions for multi–point non linear  $q$ –differential system of fractional orders

محمداسماعیل سامعی، آنیتهادی طالع

پنجاه و چهارمین کنفرانس ریاضی ایران – ایران، زنجان – ۱ تا ۳ شهریور ۱۴۰۲

■ On a coupled system of pantograph problem with three sequential fractional  $q$ –derivatives

محمداسماعیل سامعی، سمیه نظری

پنجاه و چهارمین کنفرانس ریاضی ایران – ایران، زنجان – ۱ تا ۳ شهریور ۱۴۰۲

■ Nabla Caputo Type  $q$ –fractional difference operators and their properties

محمداسماعیل سامعی، تایلان دمیر

ششمین کنفرانس بین المللی پیشرفتها و کاربردهای ریاضیات

■ On two sequential hybrid fractional  $q$ differential inclusions

محمداسماعیل سامعی

ششمین کنفرانس بین المللی پیشرفتها و کاربردهای ریاضیات

■ Applications of  $q$ –Mittag Leffler function on  $q$ –fractional differential operators

محمداسماعیل سامعی، تایلان دمیر

ششمین کنفرانس بین المللی پیشرفتها و کاربردهای ریاضیات

■ Some existence and stability results for Hilfer–fractional implicit  $q$ –differential equations under nonlocal conditions

محمداسماعیل سامعی، علیرضا حاتمی

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