

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 1, 2018

Locally and globally small Riemann sums and Henstock integral of fuzzy-number-valued functions, Muawya Elsheikh Hamid, Luoshan Xu, and Zengtai Gong,.....	11
The general iterative methods for split variational inclusion problem and fixed point problem in Hilbert spaces, Rattanaporn Wangkeeree, Kiattisak Rattanaseeha, and Rabian Wangkeeree,19	19
A fixed point alternative to the stability of an additive ρ -functional inequalities in fuzzy Banach spaces, Choonkil Park and Sun Young Jang,.....	32
Fourier series of higher-order Genocchi functions and their applications, Taekyun Kim, Dae San Kim, Lee Chae Jang, and Dmitry V. Dolgy,.....	44
$(g, \varphi_{h,m})$ –convex and $(g, \log \varphi)$ –convex dominated functions and Hadamard type inequalities related to them, Mustafa Gürbüz,.....	51
Fixed point theorem and a uniqueness theorem concerning the stability of functional equations in modular spaces, Changil Kim,.....	62
Rough fuzzy ideals in BCK/BCI-algebras, Sun Shin Ahn and Jung Mi Ko,.....	75
A Lebesgue integrable space of Boehmians for a class of D_K transformations, Shrideh Al-Omari and Dumitru Baleanu,.....	85
Stability of the sine-cosine functional equation in hyperfunctions, Chang-Kwon Choi and Jeongwook Chang,.....	96
Effect of cytotoxic T lymphocytes on HIV-1 dynamics, Shaimaa A. Azoz and Abdelmonem M. Ibrahim,.....	111
The pseudo-T-direction and pseudo-Nevanlinna direction of K-quasi-meromorphic mapping, Hong Yan Xu,.....	126
Some inequalities on small functions and derivatives of meromorphic functions on annuli, Hua Wang and Hong-Yan Xu,.....	138
Weighted composition operators between weighted Hilbertian Bergman spaces in the unit polydisk, Ning Cao, Gang Wang, and Cezhong Tong,.....	151

**TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL
ANALYSIS AND APPLICATIONS, VOL. 25, NO. 1, 2018**

(continued)

On the L_∞ convergence of a nonlinear difference scheme for Schrodinger equations, Xiaoman Liu and Yongmin Liu,.....161

Single point v.s. total blow-up for a reaction diffusion equation with nonlocal source, Dengming Liu,.....176

Common fixed point results for weakly compatible mappings using C-class functions, Geno Kadwin Jacob, Arslan Hojat Ansari, Choonkil Park, and N. Annamalai,.....184

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 2, 2018

Coupled fixed point theorem in partially ordered modular metric spaces and its an application, Ali Mutlu, Kubra Ozkan, and Utku Gurdal,.....207

Connected $m - K_n$ -residual graph and its application in Cryptology, Huiming Duan, Xinping Xiao, and Congjun Rao,.....217

A comparative analysis of the Harry Dym model with and without singular kernel, E.F. Doungmo Goufo, P. Tchepmo, Z. Ali, and A. Kubeka,.....228

Product-type Operators from Weighted Bergman Spaces to Bloch-Orlicz Spaces, Zhi-jie Jiang,241

On some recent fixed point results for α -admissible mappings in b-metric spaces, Huaping Huang, Guantie Deng, Zhanmei Chen, and Stojan Radenovic,.....255

Anti Implicative IF-Ideals in BCK/BCI-algebras, Servet Kutukcu and Adnan Tuna,.....270

On (IT)-commutativity condition in fixed point consideration of set-valued and single-valued mappings, Servet Kutukcu, Sushil Sharma, and Bhavana Deshpande,.....283

Some Generalizations in Intuitionistic Fuzzy Metric Spaces, Servet Kutukcu and Sunny Chauhan,.....292

Existence and uniqueness of positive solutions for singular higher order fractional differential equations with in finite-point boundary value conditions, Qianqian Leng, Jiandong Yin, and Pinghua Yan,.....302

On the (h,q)-Euler polynomials and numbers, Lee-Chae Jang and Jeong Gon Lee,.....311

Hermite-Hadamard type inequalities for n-times differentiable and α -logarithmically preinvex functions, Shuhong Wang,.....319

Existence of solutions for boundary value problems of fractional differential equation in Banach spaces, Yabing Gao and Pengyu Chen,.....329

On the Higher Order Difference equation $x_{n+1} = Ax_n + Bx_{n-l} + Cx_{n-k} + \frac{\gamma x_{n-k}}{Dx_{n-s} + Ex_{n-t}}$, M. M. El-Dessoky and M. A. El-Moneam,.....342

**TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL
ANALYSIS AND APPLICATIONS, VOL. 25, NO. 2, 2018**

(continued)

An additive (α, β) -functional equation and linear mappings in Banach spaces, Choonkil Park, Sun Young Jang, and Young Cho,.....355

Riemann-Liouville fractional Hermite-Hadamard inequalities for h-preinvex functions, Tingsong Du, Shanhe Wu, Shoujiang Zhao, and Muhammad Uzair Awan,.....364

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 3, 2018

Some Hermite-Hadamard and Simpson type inequalities for convex functions via fractional integrals with applications, Muhammad Iqbal, Mustafa Habib, Nasir Siddiqui, and Muhammad Muddassar,.....	397
The differentiability for fuzzy n-cell mappings and the KKT optimality conditions for a class of fuzzy constrained minimization problem, She-Xiang Hai and Zeng-Tai Gong,.....	407
Monotone iterative technique for fractional partial differential equations with impulses, Xuping Zhang and Yongxiang Li,.....	418
EVP, minimax theorems and existence of nonconvex equilibria in complete G-metric spaces, E. Hashemi and R. Saadati,.....	441
Geometric properties of Bessel functions for the classes of Janowski starlike and convex functions, V. Radhika, S. Sivasubramanian, N. E. Cho, and G. Murugusundaramoorthy,...	452
On the Jensen-type inequality for the \bar{g} -integral, Jeong Gon Lee and Lee-Chae Jang,.....	467
Some new Hermite-Hadamard type inequalities for operator m -convex and (α, m) -convex functions on the co-ordinates, Shu-Hong Wang and Shan-He Wu,.....	474
Additive-quadratic ρ -functional inequalities in fuzzy Banach spaces: a fixed point approach, Choonkil Park, Jung Rye Lee, and Dong Yun Shin,.....	488
Optimal control of a special predator-prey system with functional response and toxicant, Jiangbi Liu and Hongwei Luo,.....	500
Existence results for new extended vector variational-like inequality, Kasamsuk Ungchittrakool and Boonyarit Ngeonkam,.....	512
Existence of solutions for a new semi-linear evolution equations with impulses, Huanhuan Zhang and Yongxiang Li,.....	525
Eigenvalue for a system of Caputo fractional differential equations, Xiaofeng Zhang and Hanying Feng,.....	544
A common fixed point theorem for a pair of generalized contraction mappings with applications, Muhammad Nazam, Muhammad Arshad, and Choonkil Park,.....	552

**TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL
ANALYSIS AND APPLICATIONS, VOL. 25, NO. 3, 2018**

(continued)

Inner-outer factorization on the Nevanlinna space in a strip, Cuiqiao Wang, Guantie Deng, and Huaping Huang.....	565
Controllability of Stochastic Evolution Differential Equations Driven by Fractional Brownian Motion and Poisson Jumping Processes, Liang Zhao.....	579

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 4, 2018

A note on non-instantaneous impulsive fractional neutral integro-differential systems with state-dependent delay in Banach spaces, Selvaraj Suganya, Dumitru Baleanu, Palaniyappan Kalamani and Mani Mallika Arjunan,.....	603
Characterizations of positive implicative superior ideals induced by superior mappings, Seok Zun Song, Young Bae Jun, and Hee Sik Kim,.....	634
The uniqueness of meromorphic functions sharing sets in an angular domain, Yong Zheng Zhou, Hong-Yan Xu, and Zu-Xing Xuan,.....	644
A new generalization of Fibonacci and Lucas p-numbers, Yasin Yazlik, Cahit Kome, and Vinay Madhusudanan,.....	657
Some families of generating functions for the generalized Cesàro polynomials, Nejla Özmen and Esra Erkus-Duman,.....	670
On uniqueness of meromorphic functions sharing one small function, Qiu Ling, Xuan Zuxing, and Qi Ping,.....	684
Stochastic elastic equation in d-dimensional space driven by multiplicative multi-parameter fractional white noise, Yinghan Zhang,.....	695
Fourier series of sums of products of Euler functions and their applications, Taekyun Kim, Dae San Kim, Gwan-Woo Jang, and Lee Chae Jang,.....	714
Quotient subtraction algebras by an int-soft ideal, Sun Shin Ahn and Young Hee Kim,...	728
Characterization of weak sharp solutions for generalized variational inequalities in Banach spaces, Natthaphon Artsawang, Ali Farajzadeh, and Kasamsuk Ungchittrakool,.....	738
Inequalities of Hermite-Hadamard type for n-times differentiable (α, m) -logarithmically convex functions, M. A. Latif, S. S. Dragomir, and E. Momoniat,.....	751
Positive solutions for p-Laplacian fractional difference equation with a parameter, Yongshun Zhao and Shurong Sun,.....	760
Weighted Composition Operators from analytic Morrey spaces into Zygmund spaces, Shanli Ye,.....	770

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 5, 2018

Fourier series of functions involving Euler polynomials, Taekyun Kim, Dae San Kim, Gwan-Woo Jang, and Jongkyum Kwon,.....	797
Higher order generalization of Bernstein type operators defined by (p,q)-integers, M. Mursaleen, Md. Nasiruzzaman, Nurgali Ashirbayev, and Azimkhan Abzhapbarov,.....	817
Fourier series of functions involving Genocchi polynomials, Taekyun Kim, Dae San Kim, Lee Chae Jang, and Dmitry V. Dolgy,.....	830
Lyapunov inequalities of quasi-Hamiltonian systems on time scales, Taixiang Sun, Fanping Zeng, Guangwang Su, and Bin Qin,.....	848
A new three-step iterative method for a countable family of pseudo-contractive mappings in Hilbert spaces, Qin Chen, Li Li, Nan Lin, and Baoguo Chen,.....	860
Harmonic analysis in the product of commutative hypercomplex systems, Hossam A. Ghany,.....	876
Nonlinear delay fractional difference equations with applications on discrete fractional Lotka–Volterra competition model, J. Alzabut, T. Abdeljawad, and D. Baleanu,.....	889
Some sharp results on NLC-operators in G_p -metric spaces, Huaping Huang, Ljiljana Gajic, Stojan Radenovic, and Guantie Deng,.....	899
Most general Self Adjoint Operator Chebyshev-Grüss Inequalities, George A. Anastassiou,.....	915
Fourier series of sums of products of poly-Bernoulli and Genocchi functions and their applications, Taekyun Kim, Dae San Kim, Lee Chae Jang, and Gwan-Woo Jang,.....	934
Convergence of the Newton-HSS Method under the Lipschitz Condition with the L-average, Hong-Xiu Zhong, Guo-Liang Chen, and Xue-Ping Guo,.....	952
Oscillation for Fractional Neutral Functional Differential Systems, Yong Zhou, Ahmed Alsaedi, and Bashir Ahmad,.....	965
Fixed point results for a pair of multi dominated mappings on a smallest subset in K-sequentially dislocated quasi metric space with an application, Tahair Rasham, Abdullah Shoab, Choonkil Park, and Muhammad Arshad,.....	975

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 6, 2018

Global existence and blow-up of solutions to strongly damped wave equations with nonlinear degenerate damping and source terms, Donghao Li, Hongwei Zhang, and Xianwen Zhang,999	999
Compact and matrix operators on the space $ C, -1 _k$, G. Canan Hazar Güleç and M. Ali Sarigöl,.....	1014
On value distribution of meromorphic solutions of a certain second order difference equations, Yun Fei Du, Min Feng Chen, and Zong Sheng Gao,.....	1025
Catalan Numbers, k-Gamma and k-Beta Functions, and Parametric Integrals, Feng Qi, Abdullah Akkurt, and Huseyin Yildirim,.....	1036
Generalized von Neumann-Jordan and James Constants for Quasi-Banach Spaces, Waqas Nazeer, Qaisar Mehmood, Shin Min Kang, and Absar Ul Haq,.....	1043
Shared-values of meromorphic functions on annuli, Si Jun Tao, Hong-Yan Xu, and Zhao-Jun Wu,.....	1053
On the Henstock-Pettis Integral for Fuzzy Number Valued Functions, Yabin Shao, Zengtai Gong, and Yuping Lian,.....	1067
Some Inequalities for Riemann Diamond Integrals on Time Scales, Xuexiao You, Dafang Zhao, Wei Liu, and Guoju Ye,.....	1081
Continuity and continuous homogeneous selections of set-valued metric generalized inverse in Banach spaces, Shaoqiang Shang and Yunan Cui,.....	1094
Locally and globally small Riemann sums and	
Henstock-Stieltjes integral of fuzzy-number-valued functions, Muawya Elsheikh Hamid, Luoshan Xu, and Zengtai Gong,.....	1107
A note on special fuzzy differential subordinations using multiplier transformation and Ruschewehy derivative, Alb Lupas Alina,.....	1116
About some differential sandwich theorems involving a multiplier transformation and Ruschewehy derivative, Alb Lupas Alina,.....	1125

**TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL
ANALYSIS AND APPLICATIONS, VOL. 25, NO. 6, 2018**

(continued)

Global stability of a quadratic anti-competitive system of rational difference equations in the plane with Allee effects, V. Hadziabdic, M. R. S. Kulenovicz, and E. Pilav,.....1132

Solutions to Periodic Sylvester Matrix Equations Based on Matrices Splitting, Lingling Lv, Chaofei Han, and Lei Zhang,.....1145

Fourier series of sums of products of Euler and Genocchi functions and their applications, Taekyun Kim, Dae San Kim, Dmitry V. Dolgy, and Jin-Woo Park,.....1153

Majorization properties for certain families of analytic functions in the unit disk, Adel A. Attiya, M. F. Yassen, and Maher I. Abdelhafiz,.....1169

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 7, 2018

On some applications of differential subordinations, Loriana Andrei, Vasile-Aurel Caus, .1191	1191
Dualistic contractions of rational type and fixed point theorems, Muhammad Nazam, Muhammad Arshad, and Choonkil Park,.....	1199
Homomorphisms and derivations in proper lie CQ*-algebras, Choonkil Park, G. Zamani Eskandani, George A. Anastassiou, and Dong Yun Shin,.....	1209
Woven frames in Hilbert C*-modules, Fatemeh Ghobadzadeh, Abbas Najati, George A. Anastassiou, and Choonkil Park.....	1220
The global attractivity of some rational difference equations, Melih Gocen and Mirac Guneyesu,.....	1233
Hybrid pair via α -admissible Geraghty F-contraction with applications, Aftab Hussain, Muhammad Arshad, Choonkil Park, Jung Rye Lee, and George A. Anastassiou,.....	1244
$\alpha - \psi$ –Geraghty contractions in generalized metric spaces via new functions, Arslan Hojat Ansari, Choonkil Park, Anil Kumar, George A. Anastassiou, and Sung Jin Lee,.....	1258
Oscillation of nth-order nonlinear dynamic equations on time scales, Yaru Zhou, Zhanhe Chen, and Taixiang Sun,.....	1270
Normality of meromorphic functions concerning sharing values, Xuan Zuxing Qiu Ling,.....	1286
A general iterative algorithm for solving a class of variational inequalities over the common fixed points set of a finite family of nonexpansive mappings in Banach spaces, Xuexiao You, Dafang Zhao, and Changsong Hu,.....	1293
Fourier series of functions associated with poly-Bernoulli polynomials, Taekyun Kim, Dae San Kim, Gwan-Woo Jang, and Jongkyum Kwon,.....	1307
Fixed point results under constraint inequalities in Menger PM-spaces, Zhaoqi Wu, Chuanxi Zhu, and Chenggui Yuan,.....	1324
Fixed Point Theorems for several types of Meir-Keeler contraction mappings in M_S -metric spaces, Mi Zhou, Xiao-lan Liu, Bosko Damjanovic, and Arslan Hojat Ansari,.....	1337

**TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL
ANALYSIS AND APPLICATIONS, VOL. 25, NO. 7, 2018**

(continued)

Tender and naive weak closure operations on lower BCK-semilattices, Hashem Bordbar, Sun
Shin Ahn, Seok-Zun Song, and Young Bae Jun,.....1354

Some Functional Inequalities for Generalized Error Function, Li Yin and Feng Qi,.....1366

TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 25, NO. 8, 2018

Kantorovich Type Integral Inequalities for Tensor Products of Continuous Fields of Positive Operators, Patrawut Chansangiam,.....	1385
Characteristic fuzzy sets and conditional fuzzy subalgebras, G. Muhiuddin and Shuaa Aldhafeeri,.....	1398
Some common fixed point theorems for two pairs of self maps in dislocated metric spaces, Peiguang Wang, Akbar Zada, Rahim Shah, and Tongxing Li,.....	1410
Quadratic ρ -functional inequalities in non-Archimedean Banach spaces, Sungsik Yun,...	1425
A Fast Inversion Free Iterative Algorithm for Solving, $X + A^*X^{-1}A = I$, Duanmei Zhou,..	1432
On the Ulam-Hyers Stability of Some Differential Equations involving Hadamard Fractional Derivatives, Xiulan Yu, Zhuoyan Gao, and Mengmeng Li,.....	1442
Linearly stable periodic solutions for Lagrangian equation, Feng Wang and Shengjun Li,	1454
On a system of three max-type nonlinear difference equations, Chang-you Wang, Yu-qian Zhou, Shuang Pan, and Rui Li,.....	1463
The convexity of n-dimensional fuzzy mappings and the saddle point conditions of the fuzzy optimization problems, Hong-Xia Li, Yu-Juan Bai, and Zeng-Tai Gong,.....	1480
Complex harmonic poles in the evolution of macromolecules depolymerization, E.F. Dounomo Goufo and S. Mugisha,.....	1490
A fixed point convergence theorem with applications in left multivariate fractional calculus, George A. Anastassiou and Ioannis K. Argyros,.....	1504
Stability of delay-distributed virus dynamics model with cell-to-cell transmission and CTL immune response, A. M. Elaiw, A. A. Raezah, and A. S. Alofi,.....	1518
Dynamical behavior of HIV-1 infection with saturated virus-target and infected-target incidences and delays, A. M. Elaiw, A. A. Raezah and A. S. Alofi,.....	1532
Equations on Banach space valued functions of abstract g-fractional calculus, George A. Anastassiou and Ioannis K. Argyros,.....	1547