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Titolo	Frontiers in Functional Equations and Analytic Inequalities / / edited by George A. Anastassiou, John Michael Rassias
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ISBN	3-030-28950-8
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xiv, 753 pages)
Disciplina	515.7
Soggetti	Functional analysis Functional Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Complex Korovkin Theory via inequalities, a quantitative approach -- Hyperstability of a lineat functional Equation aon restricted domains -- "Hyers-Ulam's stability results to a three point boundary value problem of nonlinear fractional order differential equations" -- "Topological degree theory and Ulam's stability analysis of a boundary value problem of fractional differential equations" -- On a variant of - Wilson's functional equation with an endomorphism -- On the additivity of maps preserving triple Jordan product A B + B A on algebras -- "General Solution and Hyers-Ulam Stability of DuoTrigintic Functional Equation in Multi-Banach Spaces" -- "Stabilities of MIQD and MIQA Functional Equations via Fixed Point Technique" -- Hyers-Ulam Stability of First Order Differential Equation via Integral Inequality -- "Stability of a n-Dimensional Functional Equation in Banach Space and Fuzzy Normed Space" -- Measure zero stability problem for Drygas functional equation with complex involution -- Fourier Transforms and Ulam Stabilities of Linear Di erential Equations -- A class of functional equations of type d'Alembert on monoids -- Hyers–Ulam stability of a discrete diamond–alpha derivative equation -- Hyers–Ulam stability for a first-order linear proportional nabla difference operator -- Solution of generalized Jensen and quadratic functional equation -- On some functional equations with applications in Networks -- Approximate solutions of an (AQQ) additive-quadratic-quartic functional equation --

Ostrowski type inequalities involving sublinear integrals -- "Inequalities for special strong differential superordinations using a generalized Salagean operator and Ruscheweyh derivative" -- Conformable fractional inequalities -- New inequalities for h-quasiconvex functions -- Local fractional Inequalities -- "Some new Hermite-Hadamard type integral inequalities for twice differentiable generalized ^{11}h1; h2^{o}; ^{1} 1; 2^{oo}-convex mappings and their applications" -- Hardy's Type Inequalities Via Conformable Calculus -- Inequalities for Symmetrized or Anti-symmetrized Inner Products of Complex-Valued Functions Defined on an Interval -- Generalized Finite Hilbert Transform and Some Basic Inequalities -- Inequalities of Hermite-Hadamard Type for Composite Convex Functions -- Error Estimation for Approximate Solutions of Delay Volterra Integral Equations -- Harmonic and Trace Inequalities in Lipschitz Domains -- Dirichlet Beta Function via Generalized Mathieu Series Family -- Recent research on Levinson's inequality -- Integral Norm Inequalities for Various Operators on Differential Forms -- Hadamard integral inequality for the class of harmonically (;)-convex functions -- Norm Inequalities for Singular Integrals Related to Operators and Dirac-Harmonic Equations -- Inequalities for analytic functions defined by a fractional integral operator.

Sommario/riassunto

This volume presents cutting edge research from the frontiers of functional equations and analytic inequalities active fields. It covers the subject of functional equations in a broad sense, including but not limited to the following topics: Hyperstability of a linear functional equation on restricted domains Hyers–Ulam's stability results to a three point boundary value problem of nonlinear fractional order differential equations Topological degree theory and Ulam's stability analysis of a boundary value problem of fractional differential equations General Solution and Hyers-Ulam Stability of Duo Trigintic Functional Equation in Multi-Banach Spaces Stabilities of Functional Equations via Fixed Point Technique Measure zero stability problem for the Drygas functional equation with complex involution Fourier Transforms and Ulam Stabilities of Linear Differential Equations Hyers–Ulam stability of a discrete diamond–alpha derivative equation Approximate solutions of an interesting new mixed type additive-quadratic-quartic functional equation. The diverse selection of inequalities covered includes Opial, Hilbert-Pachpatte, Ostrowski, comparison of means, Poincare, Sobolev, Landau, Polya-Ostrowski, Hardy, Hermite-Hadamard, Levinson, and complex Korovkin type. The inequalities are also in the environments of Fractional Calculus and Conformable Fractional Calculus. Applications from this book's results can be found in many areas of pure and applied mathematics, especially in ordinary and partial differential equations and fractional differential equations. As such, this volume is suitable for researchers, graduate students and related seminars, and all science and engineering libraries. The exhibited thirty six chapters are self-contained and can be read independently and interesting advanced seminars can be given out of this book. .

2. Record Nr. UNINA9910367565003321

Autore	Gerssen Arjen
Titolo	Emerging Marine Biotoxins / Arjen Gerssen, Ana Gago-Martínez
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland : , : MDPI, , 2019
ISBN	9783039213498 3039213490
Descrizione fisica	1 electronic resource (206 pages)
Soggetti	Biology, life sciences Murntuluk / Catfish (Central NT, North NT SE52-03)
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The emergence of marine and freshwater toxins in geographical areas where they have never been reported before is a concern due to the considerable impact on (sea)food contamination, and consequently, on public health. Several groups of marine biotoxins, in particular tetrodotoxins, ciguatoxins, and palytoxins, are included among the relevant marine biotoxins that have recently emerged in several coastal areas. A similar situation has been observed in freshwater, where cyanobacterial toxins, such as microcystins, could end up in unexpected areas such as the estuaries where shellfish are cultivated. Climate change and the increased availability of nutrients have been considered as the key factors in the expansion of all of these toxins into new areas; however, this could also be due to more intense biological invasions, more sensitive analytical methods, or perhaps even an increased scientific interest in these natural contaminations. The incidences of human intoxications due to the consumption of seafood contaminated with these toxins have made their study an important task to accomplish in order to protect human health. This Special Issue has a focus on a wide variety of emerging biotoxin classes and techniques to identify and quantify them.