Special Issue

Recent Advances in Maps Preserving Problems and Algebraic Structures

Message from the Guest Editors

Maps preserving problems play a fundamental role in algebra, operator theory, and functional analysis. These problems focus on characterizing mappings that maintain specific algebraic operations, such as Jordan triple products, Lie products, and other fundamental structures. Such mappings often reveal the deep structural properties of algebraic systems and have significant applications in various mathematical and applied fields. With the growing interplays between algebra and other disciplines, understanding preservers has become more important than ever. On the one hand, structural preservation properties provide essential insights into the classification of algebras and their automorphisms, derivations, and homomorphisms. On the other hand, perspectives from maps preserving problems can offer novel techniques for studying functional identities, stability analysis, and transformations in applied mathematics. This Special Issue will be devoted to state-of-the-art research on maps preserving problems and their connections with algebra, analysis, and other fields.

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Axioms is dedicated to the foundations (structure and axiomatic basis, in particular) of mathematical theories, not only from a crisp or strictly classical sense, but also from a fuzzy and generalized sense. This includes the more innovative current scientific trends, devoted to discover and solve new challenging problems. The prime goal of *Axioms* is to publish first-class, original research articles under an open access policy with minimal fees for the authors. We would be pleased to welcome you as one of our authors.

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