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A Special Issue in Honor of the 55th Birthday of Dumitru Baleanu

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The purpose of this issue is to promote the remarkable contribution of Dumitru Baleanu on fractional calculus and fractional differential/integral equations and celebrate this 55 birthday. Dr. Dumitru Baleanu got the PhD in Physics in 1996 from the Institute of Atomic Physics, Romania. Since 2000, he is been a visiting staff member at the Department of Mathematics, Faculty of Arts and Sciences, Çankaya University, Ankara, Turkey since 2000. He is a professor at the Institute of Space Sciences from Magurele-Bucharest, Romania.

His fields of interest include the fractional dynamics and its applications in science and engineering, fractional differential equations and their applications, discrete mathematics, control theory, mathematical physics, solitons theory, Lie symmetry, dynamic systems on time scales, the wavelet method and its applications, quantization of systems with constraints, the Hamilton-Jacobi formalism, geometries admitting generic and non-generic symmetries.

He is an editorial board member of several prestigious international journals as Applied Numerical Mathematics, Mathematics, Symmetry, Mathematical Methods in Applied Sciences, Advances in Difference Equations, Advances in Mechanical Engineering, Open Physics, Journal of Computational and Nonlinear Dynamics and Fractional Calculus and Applied Analysis. He is the chief editor of Frontiers in Physics-section Mathematical Physics and Progress in Fractional Differentiation and Applications.

His h-index is 56 and he has been a highly cited researcher in Mathematics since 2015. He co-authored several published books in World Scientific Publishing, Academic Press, Springer and De Gruyter.

He got several international prizes as Obada Prize (2019), ICFDA2018 Award: Innovation in Fractional Calculus and ICFDA 2016 Award: Dissemination Award.

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He is married with Mihaela Cristina and they have a daughter Alexandra Daniela Slivka.

Prof. Dr. Fahd Jarad
Guest editor

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