

Editorial

Advanced Topics in Fractional Dynamics

**Dumitru Baleanu,¹ H. M. Srivastava,² Varsha Daftardar-Gejji,³
Changpin Li,⁴ and J. A. Tenreiro Machado⁵**

¹ *Department of Mathematics and Computer Sciences, Cankaya University, Ankara, Turkey*

² *Department of Mathematics and Statistics, University of Victoria, Victoria, BC, Canada V8W 3R4*

³ *Department of Mathematics, University of Pune, Pune 411007, India*

⁴ *Department of Mathematics, Shanghai University, Shanghai 200444, China*

⁵ *Department of Electrical Engineering, Institute of Engineering, Polytechnic of Porto, Rua Dr. Antonio Bernardino de Almeida 431, 4200-072 Porto, Portugal*

Correspondence should be addressed to Dumitru Baleanu; dumitru@cankaya.edu.tr

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Fractional order differentiation consists in the generalisation of classical integer differentiation to real or complex orders.

During the last decades, fractional differentiation has drawn increasing attention in the study of so-called anomalous social and physical behaviours, where scaling power law of fractional order appears universal as an empirical description of such complex phenomena.

The goal of this special issue is to address the latest developments in the area of fractional calculus application in dynamical systems.

The special issue received 38 publications and 24 of high quality papers were accepted. The papers of this special issue have a large variety of interesting and relevant subjects, namely, fractional partial differential equations, numerical algorithms, chaos, complexity and fractional calculus, fractals, and power law.

*Dumitru Baleanu
H. M. Srivastava
Varsha Daftardar-Gejji
Changpin Li
J. A. Tenreiro Machado*



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