

Special Issue

Modeling and Control of Fractal and Fractional Dynamical Systems in Neurological Disorders

Message from the Guest Editors

Neurological disorders are considered to be complex affections from both clinical and mathematical perspectives. That is why mathematics and engineering have been trying for some time to contribute to objectively revealing the non-apparent characteristics of this type of disease. Finding suitable models has become more and more challenging, and “non-conventional” dynamical structures must be used. It is in this sense that fractional and fractal dynamics appear to provide alternative techniques to address such intricate and long-suffering diseases; not only for patients, but also for caregivers. This Special Issue will also focus on typical complex affections that include seizure and degenerative disorders.

Increasingly complex algorithms have been proposed to reflect more of the underlying dynamics of these conditions, but only recently have they been considered from fractal or fractional dynamics viewpoints. As a consequence of the shortage of fractal and fractional dynamical models to investigate the complex diseases described above, we encourage the scientific community to participate in our novel Special Issue.

Guest Editors

Dr. Ricardo Zavala-Yoé
Dr. Jorge Mario Cruz-Duarte
Prof. Dr. Porfirio Toledo Hernández

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Fractal and Fractional
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fractalfract@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Fractal and Fractional (*Fractal Fract.*) is a scholarly online journal which provides a forum for discussion on new original models and methods in fractals and fractional calculus both from theory and applications. It is a peer-reviewed, open access journal that publishes high quality original research articles, review papers and short communications.

Editor-in-Chief

Prof. Dr. Carlo Cattani
Engineering School (DEIM), University of Tuscia, Largo dell'Università,
01100 Viterbo, Italy

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