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Fractional-Order Dynamics and Control in Green Energy Systems

Guest Editors:

Dr. Manashita Borah
1. Department of Civil and Environmental Engineering, University of California, Berkeley, CA 94720, USA
2. Department of Electrical Engineering, Tezpur University, Assam 784028, India

Dr. Christos Volos
Department of Physics, Aristotle University of Thessaloniki, GR-54124 Thessaloniki, Greece

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Message from the Guest Editors

Fractional calculus has seen a rapid rise in recent applications in science and technology with improved results. The articles in this Special Issue will include the recent developments and applications of fractional calculus in green and sustainable technology to understand their inherent dynamics. The purpose of this Special Issue is to offer a forum focused on the dissemination of the recent progress in fractional calculus and its potential applications in green energy systems. Topics may include, but are not limited to:

Energy storage systems, supercapacitors and batteries, and hybrid energy storage;
Energy efficient robots and manipulators;
Fuel cells and renewable energy applications;
Energy efficient biomedical devices and biological systems;
Modes of green transportation, drones, electric vehicles, autonomous vehicles, and maglev vehicles;
Physics-informed learning machines;
Chaos control, nonlinear dynamics, and secure communication.

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