

Special Issue Announcement - Call for Papers

Journal of Innovation Sciences and Sustainable Technologies (JISST)
(online) - A Make in India Creation

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Focus Theme: Advances in Partial Differential Equations:
Theory, Applications and Numerics

Guest Editors:

Neelesh Kumar, Dyal Singh College, University of Delhi, India

Pankaj Mishra, Deshbandhu College, University of Delhi, India

Submit Papers to jisst@researchfoundation.in

About the Journal

This journal is created to disseminate innovative research under the Make in India initiative. One of the main objectives of this journal is to promote innovation in Science & Technology in the younger generation of researchers and students by fostering greater unification among several disciplines of Science, Engineering, Technology, Medicine, Social Sciences, and Finance. This activity relates to the encouragement of scientific research that focuses on problems of contemporary societal concerns and their solutions, leading to the development of sustainable technologies to better the lives of mankind across the globe. This journal has been registered with several indexing, reviewing, and abstracting agencies. JISST is completely peer-reviewed, multidisciplinary, and unique in nature and supports open-access research. This Journal has published a few special issues on contemporary societal challenges.

Subjects of Interest

Partial Differential Equations have been extensively employed to model real world applications that exhibit dynamics. This modelling effort is on the rise due to the necessity created in the understanding of the complex phenomena inherently present in these problems. This makes the study of such problems more challenging and rewarding. Of late scientists are deeply engaged in studying problems involving societal concerns. In the past, important contributions to understand the real-world problems around us have been made in various domains, such as social sciences, finance, environment, human behaviour, strategic decision-making, information and knowledge management, public policy, highway transportation networks, telecommunication networks, immunological health care systems, computational systems, electrical and mechanical structures. In the recent years, nonlinear dynamics and chaos have started attracting a great deal of attention, and many useful results have been documented in the literature. Now a days, dynamical system studies are applied by policymakers, academicians, educators, and managers in many areas of natural sciences, social sciences, engineering, and technology. The reconstruction of system structure from data in complex system science is a challenging task and robust methodologies needed to be developed to handle such complex systems in view of their vast application potential.

Researchers world over are invited to contribute their original and high-quality research papers, which will inspire the community in interdisciplinary areas by directly contributing to the development of the society at large in the following areas:

- Analytical and numerical methods for partial differential equations
- Analytical and numerical methods for partial integral equations
- Stability, existence, and multiplicity of solutions for partial differential equations
- Partial differential equations in signal and image processing
- Fluid dynamics - models, and numerical simulation.

The Editorial Board will consider **three** types of submissions:

- Full-length original research papers covering theory, practice, and implementations.
- Short tutorials and expository articles of an educational nature; and
- Brief presentations of interesting and timely problems in all related domains and their proposed solutions using known or new innovative techniques.

The main goal of the submitted articles is to bring a privileged level of understanding to both academia and industry on issues and topics that reflect societal concerns and may not usually be readily and easily accessible either to academia or practitioners of interdisciplinary research.
