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Special Issue on

Advances in Mathematical Modelling, Differential Equations, and Dynamical Systems

Guest Editors

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FOREWORD

This special issue entitled “*Advances in Mathematical Modelling, Differential Equations, and Dynamical Systems*” compiles a variety of research papers that illustrate the ongoing development of mathematics as an important means of understanding, analyzing, and solving a wide range of problems in science and technology.

The papers selected in this special issue were presented in the International Conference on Sustainable Computing and Management (SUSCOM-2026), organised by Sri Balaji College of Engineering & Technology, Jaipur, Rajasthan, India, on June 26-27, 2026. The conference received an overwhelming response, with more than 760 research submissions, of which 33 high-quality papers were carefully selected for publication following a rigorous peer-review process. This conference served as a forum for exchanging ideas and discussing recent advancements in sustainable computing, mathematical approaches, intelligent systems, and interdisciplinary research.

We sincerely thank all the authors who have contributed their research papers to this special issue. We are also grateful to the reviewers for taking the time to evaluate the submitted manuscripts and provide constructive feedback on the manuscripts submitted to this special issue. We also thank the editorial board members for their valuable support and coordination.

We extend our sincere appreciation to Prof. B. K. Dass, Chief Editor, for his vision, support, and guidance in bringing this special issue to publication in *Journal of Interdisciplinary Mathematics*, published by Taru Publications, New Delhi.

We believe that this special issue will prove to be a valuable source of information for scientists and students working in mathematical modelling, differential equations, dynamical systems, and their interdisciplinary applications. We sincerely hope that the concepts and methods described herein will encourage further research efforts and cross-disciplinary collaborations, thereby contributing to the growth of mathematics and its role in addressing scientific and technological problems.

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