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Special Issue on

Interdisciplinary Mathematical Approaches in Sustainable Computing

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FOREWORD

This special issue titled “Interdisciplinary Mathematical Approaches in Sustainable Computing”, presents original contributions that underscore the foundational and integrative role of mathematics in contemporary scientific and technological developments.

The papers collected in this issue reflect the dynamic interface between mathematics with computing sciences, information security, management systems, and intelligent technologies. At their core, these contributions emphasize the theoretical and methodological significance of mathematical structures—ranging from discrete mathematics, combinatorial analysis, algebraic systems, graph theory, and dynamical models—and their practical implications in modern computational environments.

This special issue features selected papers presented at the International Conference on Sustainable Computing (SUSCOM-2025), organized by Sri Balaji College of Engineering & Technology, Jaipur, India, during June 26–27, 2025. The conference received more than 400 research paper submissions from researchers worldwide. All submissions underwent a rigorous peer-review process, after which 26 high-quality papers were carefully selected for inclusion in this Special Issue. These papers cover a wide range of innovative concepts, methodologies, and applications in the field of sustainable computing and related technologies.

We extend our heartfelt gratitude to all the authors for their significant contributions, to the reviewers for their meticulous evaluation,

and to the editorial team for their steadfast guidance. We are particularly thankful to Professor B. K. Dass, Chief Editor, for his constant support and encouragement during the publication process of this special issue in the *Journal of Interdisciplinary Mathematics*, published by Taru Publications, New Delhi.

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