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Special Issue on

Information and Optimization Techniques for Sustainable Computing (Part-B)

Guest Editors

Ramesh Chandra Poonia

Kamal Upreti

Nidhi Singh

Dyuti Banerjee

Rajesh Kumar

Agnieszka Góra-Błaszczkowska

Ganesh Veluswamy Radhakrishnan

Kapil Joshi

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Guest Editors

Ramesh Chandra Poonia

Department of Computer Science
CHRIST (Deemed to be University)
Ghaziabad 201003
Uttar Pradesh
India
E-mail : rameshcpoonia@gmail.com

Rajesh Kumar

Department of Computer Science and
Engineering (AIML)
Meerut institute of Engineering and
Technology
Meerut 250005
Uttar Pradesh
India
E-mail : rajesh.kumar@miet.ac.in

Kamal Upreti

Department of Computer Science
CHRIST (Deemed to be University)
Ghaziabad 201003
Uttar Pradesh
India
E-mail : kamalupreti1989@gmail.com

Agnieszka Góra-Błaszczykowska

Department of Law
War Studies University
00-910 Warsaw
Poland
E-mail: agnieszka2023@gmail.com

Nidhi Singh

School of Management
GD Goenka University
GD Goenka Education City
Sohna-Gurgaon Road, Sohna
Gurugram 122103
Haryana
India
E-mail : tonidhi.singh@gmail.com

Ganesh Veluswamy Radhakrishnan

Kalinga School of Management
Kalinga Institute of Industrial Technology
Bhubaneswar 751024
Odisha
India
E-mail : vrkris2002@gmail.com

Dyuti Banerjee

Department of Artificial Intelligence
and Data Science
Koneru Lakshmaiah Education
Foundation
Green Fields
Vaddeswaram
Guntur District 522302
Andhra Pradesh
India
E-mail : dyuti738900@gmail.com

Kapil Joshi

Department of Computer Science &
Engineering
Uttaranchal Institute of Technology (UIT)
Uttaranchal University
Dehradun 248007
Uttarakhand
India
E-mail : kapilengg0509@gmail.com

FOREWORD

This special issue titled “Information and Optimization Techniques for Sustainable Computing”, presents rigorously peer-reviewed research contributions aligned with the fields of information sciences and optimization sciences. The selected papers highlight recent advances in intelligent algorithms, computational models, and optimization techniques that address key challenges in sustainable computing.

The papers included in this issue emphasize the central role of mathematical modeling, optimization theory, and information sciences in addressing contemporary challenges in computing, engineering, and management systems. The contributions advance both theoretical foundations and practical methodologies across areas such as mathematical programming, control theory, operational research, decision sciences, modeling and simulation, and information theory.

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 54 high-quality papers were carefully selected for inclusion in this special issue, which are being published in two parts : JIOS 47#5-A and JIOS 47#5-B. 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 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 Information and Optimization Sciences*, published by Taru Publications, New Delhi.

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CONTENTS

S. G. GAWHALE, D. S. ASUDANI, O. M. MANAV, E. SHALINI AND K. S. BHOSALE Energy-efficient protocols for wireless sensor networks optimizing power consumption for prolonged network lifespan	1879–1886
S. NAMBIAR, M. TATIYA, K. S. DIWATE, D. SHARMA, S. N. AJANI AND Y. NAGARGOJE Privacy-preserving machine learning techniques ensuring data confidentiality and model accuracy in federated learning environments	1887–1895
P. BAGANE, S. KOTHARI, A. GOYAL, R. BIDWE, V. RANA, S. SAJI, S. TANEJA AND M. CHANDIRAMANI Prevention of ransomware attacks using advanced encryption and behavioral analysis	1897–1906
A. MCKENZIE, M. DOSHI, G. DEOGHARE, R. BIDWE, S. KOTHARI, P. BAGANE AND A. GOYAL CyberShield : AI powered broken access control detection and mitigation	1907–1917
R. MAHESHWARI AND V. KAPOOR An integrated mathematical cognitive system employing swarm computing for convergence of artificial intelligence and knowledge representation	1919–1930
R. MAHESHWARI AND V. KAPOOR Evaluating AI convergence and performance analysis for cross transfer entropy based learning among time-lagged data employing cognitive computing framework	1931–1943

S. KUMAR, H. C. SAINI, M. L. SAINI AND S. KUMAR KBBOCVI : A hybrid biogeography-based optimization algorithm for optimal cluster head selection for HWSNs	1945–1954
R. K. SHARMA AND V. KAPOOR Generic row filtering and column masking for fine-grained data access control through secure JDBC drivers	1955–1964
G. K. SHWETHA, M. PATEL, M. BHUTANI, N. MOLAKATALA, H. S. GURURAJA, R. P. JOSHI AND S. SHAIKH From perception to action : Integrating cognitive systems with deep AI models for enhanced human-like intelligence	1965–1975
R. SAHARAN An approach to secure medical data through blockchain technology	1977–1988
A. CHOPRA, M. L. SAINI AND V. K. SHARMA Predicting IT graduate student's employability using machine learning and deep learning hybrid approaches	1989–2001
S. UPADHYAY AND Y. K. GUPTA Optimized multi-class sentiment classification of Flipkart product reviews using deep learning	2003–2010
R. R. CHOUDHARY, H. K. PRASHAR AND G. MEENA Speculation of lung cancer using deep learning sequential and CNN model	2011–2019
M. MALI, P. MISHRA AND H. MODI Tag-based recommendation system using bi-clustering	2021–2029
J. J. C. P. YADAV AND R. R. KUMAR Optimized text generation using Markov models	2031–2042
W. SRIMAHARAJ, N. N. THUNE, S. CHAISING, A. B. KANWADE AND G. S. GAWANDE Age prediction on EEG signals via hybrid feature engineering approach	2043–2052
M. B. SHAIK AND D. S. RAO Efficient machine learning techniques for hate speech detection in social networks	2053–2064
M. B. THORAT, V. P. WAWAGE, D. P. YADAV, P. PUSHPALATHA AND Y. GANDHI Mathematical foundations of neural network weight optimization	2065–2073

Z. S. NITIN, P. A. SHELAR, D. SHARMA, V. DHANALAKSHMI, S. IKHAR AND Y. NAGARGOJE Fuzzy set theory in multi-criteria engineering decision making	2075–2082
R. N. JADHAV AND G. SUDHAGAR Developing accurate predictive models for brain tumor growth using LSTM and GRU techniques	2083–2093
L. D. NUKALA, T. A. SRI AND K. R. PRASAD Improvised deep learning techniques with the spectral concept for the robust skin disease image classification	2095–2107
S. MALIK, P. RATHEE, A. KAUSHIK, P. KAUR AND A. SINGH Fraud-Detect-Net : A deep learning and machine learning framework for detecting fake job postings	2109–2117
S. ARORA, S. KUMAR AND S. KUMAR Dynamic inertia weight control using fitness metrics in particle swarm optimization algorithm	2119–2127
S. ARORA, S. KUMAR, S. KUMAR AND B. K. SINGH Wildfire detection using modified particle swarm optimization algorithm	2129–2138