

Tentative Outline

Special Thematic Issue for the journal *Recent Advances in Computer Science and Communications*

Title of the Thematic Issue: “An Era of Communication Technology using Machine Learning Techniques in Medical Imaging”

Guest Editor: *Dr. Vikash Yadav*

Co-Guest Editors: *Dr. Chuan-Ming Liu, Dr. Dimitrios A. Karras, Dr. Vandana Dixit Kaushik*

Scope of the Thematic Issue: This special issue will aim to discuss computational intelligence approaches, initiatives, and applications in engineering and science fields (including Machine Intelligence, Mining Engineering, Modeling and Simulation, Computer, Communication, Networking and Information Engineering, Systems Engineering, Innovative Computing Systems, Adaptive Technologies for Sustainable Growth, and Theoretical and Applied Sciences). This collection should inspire various scholars to contribute research on intelligence principles and approaches in their respective research communities while enriching the body of research on computational intelligence.

Keywords: Machine Learning, Image Processing, Fuzzy systems, Machine Intelligence, Mining Engineering, Cloud Computing, Neural networks

Sub-topics:

- Computational Intelligence
 - Neural networks
 - Fuzzy systems
 - Evolutionary computation
 - Machine Learning
 - Cloud Computing
 - Image Processing
- Applications of Computational Intelligence in:
 - Machine Intelligence
 - Mining Engineering
 - Modeling and Simulation
 - Signal Processing
- Computer, Communication Networking, and Information Engineering
 - Innovative Computing Systems
 - Adaptive Technologies for Sustainable Growth
 - Theoretical and Applied Sciences

Tentative titles of the articles:

- A.I.-based system for detecting breast cancer
- Analysis of Various Image De-noising Algorithms: A Systematic Review
- Design and Implementation of Novel Techniques for identifying skin disease
- Web-Based Credit Card Allocation System Using Machine Learning
- Mitigating Social Media Recommendation Polarity using BERT and K-means clustering
- Security and Challenges in healthcare using block chain technology
- Heart Disease Prediction using Machine learning and Neural networks
- Text Summarization Using Extractive Techniques
- Enhancing Prediction Accuracy of Rainfall using Machine Learning and Forecasting Methods
- Diet Recommendation Model of Quality Nutrition for Cardiovascular Patients
- Hand Written Digit Recognition using Convolutional Neural Network
- Identification & Spatio-Temporal Observation of Public Transports for Semi-urban Regions
- An Adaptive Whale optimization algorithm based CT image Denoising in Wavlet domain

Schedule:

- Thematic issue submission deadline: **30/04/2023**

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