

Table of Contents

International Journal of Healthcare Information Systems and Informatics

Volume 13 • Issue 4 • October-December-2018 • ISSN: 1555-3396 • eISSN: 1555-340X

An official publication of the Information Resources Management Association

SPECIAL ISSUE ON DATA MINING AND DECISION SCIENCES IN HEALTHCARE INFORMATICS AND SYSTEMS

GUEST EDITORIAL PREFACE

- vi *Singh Vijendra, The NorthCap University, Gurgaon, India*
 Rajkumar R., VIT University, Vellore, India,

RESEARCH ARTICLES

- 1 **A Unified Feature Selection Model for High Dimensional Clinical Data Using Mutated Binary Particle Swarm Optimization and Genetic Algorithm**
 Thendral Puyalnithi, Vellore Institute of Technology(VIT), Vellore, India
 Madhuviswanatham Vankadara, Vellore Institute of Technology(VIT), Vellore, India
- 15 **An Intelligent Multi-Objective Framework of Pervasive Information Computing**
 Basant Tiwari, Hawassa University, Awassa, Ethiopia
 Vivek Tiwari, IIIT-NR, Naya Raipur, India
- 28 **The Design of a Cloud-based Clinical Decision Support System Prototype: Management of Drugs Intoxications in Childhood**
 Baya Naouel Barigou, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
 Fatiha Barigou, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
 Chawki Benchehida, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
 Baghdad Atmani, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
 Ghalem Belalem, Laboratory of Computer Science (LIO), University of Oran 1, Ahmed Ben Bella, Oran, Algeria
- 49 **Comparative Analysis of Morphological Techniques for Malaria Detection**
 P.A Pattanaik, Department of Computer Science & Engineering, Siksha 'O' Anusandhan University, Bhubaneswar, India
 Tripti Swamkar, Department of Computer Science & Engineering, Siksha 'O' Anusandhan University, Bhubaneswar, India
- 66 **Causal Analysis of Software Development Attributes for Cloud Applications: A Health Insurance Solution Case**
 Nitasha Hasteer, Amity University Uttar Pradesh, Noida, India
 Abhay Bansal, Amity University Uttar Pradesh, Noida, India
 B. K. Murthy, Ministry of Electronics and Information Technology, Government of India, New Delhi, India
- 82 **Analysis of Machine Learning Algorithms in Health Care to Predict Heart Disease**
 P Priyanga, Dept. of CSE, K.S. Institute of Technology, Bengaluru, India
 N C Naveen, Dept. of CSE, J S S Academy of Technical Education, Bengaluru, India
- 98 **Spiral-Phase Masked Optical Image Health Care Encryption System for Medical Images Based on Fast Walsh-Hadamard Transform for Security Enhancement**
 Mehak Khurana, The NorthCap University, Gurugram, India
 Hukum Singh, The NorthCap University, Gurugram, India

Copyright

The **International Journal of Healthcare Information Systems and Informatics (IJHISI)** (ISSN 1555-3396; eISSN 1555-340X), Copyright © 2018 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Healthcare Information Systems and Informatics* is indexed or listed in the following: ACM Digital Library; Australian Business Deans Council (ABDC); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; Compendex (Elsevier Engineering Index); CSA Illumina; DBLP; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)