

Table of Contents

International Journal of E-Health and Medical Communications

Volume 12 • Issue 2 • March-April-2021 • ISSN: 1947-315X • eISSN: 1947-3168

SPECIAL ISSUE ON SMART E-HEALTH AND MEDICAL COMMUNICATIONS IN THE ERA OF HEALTHCARE 4.0

GUEST EDITORIAL PREFACE

- v Sudeep Tanwar, Nirma University, Ahmedabad, India
Neeraj Kumar, Thapar Institute of Engineering and Technology, Patiala, India
Zdzislaw Polkowski, Jan Wyzykowski University, Polkowice, Poland
Jafar Alzubi, Al-Balqa Applied University, Jordan & Wake Forest University, USA
Deepak Kumar Jain, Institute of Automation, Chongqing University of Posts and Telecommunications, Chongqing, China

RESEARCH ARTICLES

- 1 **SLAMMP Framework for Cloud Resource Management and Its Impact on Healthcare Computational Techniques**
Vivek Kumar Prasad, Nirma University, India
Madhuri D. Bhavsar, Nirma University, India
- 32 **Artificial Bee Colony and Deep Neural Network-Based Diagnostic Model for Improving the Prediction Accuracy of Diabetes**
Anand Kumar Srivastava, ABES Engineering College, Ghaziabad, India & Jaypee University of Information Technology, Waknaghat, India
Yugal Kumar, Jaypee University of Information Technology, Waknaghat, India
Pradeep Kumar Singh, Jaypee University of Information Technology, Waknaghat, India
- 51 **Lung Tumor Segmentation Using Marker-Controlled Watershed and Support Vector Machine**
Surbhi Vijh, KIET Group of Institutions, India
Rituparna Sarma, KIET Group of Institutions, India
Sumit Kumar, Amity University, Noida, India
- 65 **Prediction of Environmental Pollution Using Hybrid PSO-K-Means Approach**
Manish Mahajan, Graphic Era University (Deemed), India
Santosh Kumar, Graphic Era University (Deemed), India
Bhasker Pant, Graphic Era University (Deemed), India
- 77 **RMAC: Customised MAC Protocol for Roundabout Management Using VANET for Coperative Driving**
Hitender Vats, ITM University Gwalior, India
Ranjeet Singh Tomar, ITM University Gwalior, India
- 93 **Advanced Object Detection in Bio-Medical X-Ray Images for Anomaly Detection and Recognition**
Garv Modwel, Amity University, India
Anu Mehra, Amity University, India
Nitin Rakesh, Sharda University, India
K. K. Mishra, MNNIT Allhabad, India

Copyright

The **International Journal of E-Health and Medical Communications (IJEHMC)** (ISSN 1947-315X; eISSN 1947-3168), Copyright © 2021 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 E-Health and Medical Communications* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Standard Periodical Directory; UGC-CARE List (India); Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)