

# Table of Contents

## International Journal of Information Technology and Web Engineering

Volume 16 • Issue 4 • October-December-2021 • ISSN: 1554-1045 • eISSN: 1554-1053

### Research Articles

- 1      **Deadline-Constrained Cost-Effective Load-Balanced Improved Genetic Algorithm for Workflow Scheduling**  
Sandeep Kumar Bothra, Manipal University Jaipur, Jaipur, India  
Sunita Singhal, Manipal University Jaipur, Jaipur, India  
Hemlata Goyal, Manipal University Jaipur, Jaipur, India
  
- 35     **A Long Short-Term Memory Neural Network for Daily NO2 Concentration Forecasting**  
Bingchun Liu, Tianjin University of Technology, China  
Xiaogang Yu, Tianjin University of Technology, China  
Qingshan Wang, Tianjin Agricultural University, China  
Shijie Zhao, Tianjin University of Technology, China  
Lei Zhang, Tianjin University of Technology, China
  
- 52     **An Improved Sentiment Analysis Approach to Detect Radical Content on Twitter**  
kamel Ahsene Djaballah, University of Science and Technology Houari Boumediene, Algiers, Algeria  
Kamel Boukhalfa, University of Science and Technology Houari Boumediene, Algiers, Algeria  
Omar Boussaid, ERIC Laboratory EA 3083, University of Lyon 2, Lyon, France  
Yassine Ramdane, ERIC Laboratory EA 3083, University of Lyon 2, Lyon, France
  
- 74     **Conventional and Evolutionary Order Reduction Techniques for Complex Systems**  
Abha Kumari, Gautam Buddha University, Greater Noida, India  
C. B. Vishwakarma, Gautam Buddha University, Greater Noida, India

### COPYRIGHT

The *International Journal of Information Technology and Web Engineering (IJITWE)* (ISSN 1554-1045; eISSN 1554-1053), 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 Information Technology and Web Engineering* 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; MediaFinder; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; UGC-CARE List (India); Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)