

# Table of Contents

## International Journal of Cloud Applications and Computing

Volume 10 • Issue 2 • April-June-2020 • ISSN: 2156-1834 • eISSN: 2156-1826

### Research Articles

- 1      **Efficient Metaheuristic Population-Based and Deterministic Algorithm for Resource Provisioning Using Ant Colony Optimization and Spanning Tree**  
Muhammad Aliyu, Abubakar Tafawa Balewa University, Bauchi, Nigeria  
Murali M, SRM institute of science and technology, Tamil Nadu, India  
Abdulsalam Y. Gital, Abubakar Tafawa Balewa University, Bauchi, Nigeria  
Souley Boukari, Abubakar Tafawa Balewa University, Bauchi, Nigeria
- 22     **A Conceptual Framework Towards Implementing a Cloud-Based Dynamic Load Balancer Using a Weighted Round-Robin Algorithm**  
Sudipta Sahana, JIS College of Engineering, Kalyani, India  
Tanmoy Mukherjee, JIS College of Engineering, Kalyani, India  
Debabrata Sarddar, University of Kalyani, India
- 36     **Offloading as a Service Middleware for Mobile Cloud Apps**  
Hamid A Jadad, SQU, Muscat, Oman  
Abderezak Touzene, Sultan Qaboos University, Muscat, Oman  
Khaled Day, Sultan Qaboos University, Muscat, Oman
- 56     **Multi Factor Two-way Hash-Based Authentication in Cloud Computing**  
K. DeviPriya, Aditya Engineering College, Andhra Pradesh, India  
Sumalatha Lingamgunta, University College of Engineering, Kakinada, India
- 77     **Blockchain Based Sensitive Attribute Storage and Access Monitoring in Banking System**  
M. Sumathi, National Institute of Technology, Tiruchirappalli, India  
S. Sangeetha, National Institute of Technology, Tiruchirappalli, India

### COPYRIGHT

The **International Journal of Cloud Applications and Computing (IJCAC)** (ISSN 2156-1834; eISSN 2156-1826), Copyright © 2020 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 Cloud Applications and Computing* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; ProQuest Advanced Technologies & Aerospace Journals; ProQuest Computer Science Journals; ProQuest Illustrata: Technology; ProQuest SciTech Journals; ProQuest Technology Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)