

# Table of Contents

## International Journal of Fuzzy System Applications

Volume 8 • Issue 3 • July-September-2019 • ISSN: 2156-177X • eISSN: 2156-1761

*An official publication of the Information Resources Management Association*

### Research Articles

- 1     **Intuitionistic Trapezoidal Fuzzy MAGDM Problems with Sumudu Transform in Numerical Methods**  
John Robinson P., Bishop Heber College, Tamilnadu, India  
Jeeva S, Bishop Heber College, Tamilnadu, India
- 47    **On Generalized Fuzzy Entropy and Fuzzy Divergence Measure with Applications**  
Surender Singh, Shri Mata Vaishno Devi University, Katra, India  
Sonam Sharma, Shri Mata Vaishno Devi University, Katra, India
- 70    **Fuzzy Sets Based Cluster Routing Protocol For Internet of Things**  
S.Sankar, Research Scholar, School of Computer Science and Engineering, VIT University, Tamilnadu, India  
P.Srinivasan, Associate Professor, School of Information Technology and Engineering, VIT University, Tamilnadu, India
- 94    **Fuzzy Lattice Ordered G-modules**  
Ursala Paul, St.Teresa's College Ernakulam, Ernakulam, India  
Paul Isaac, Bharata Mata College, Bharata Mata College, Kochi, India
- 108   **Subtractive Clustering and Particle Swarm Optimization Based Fuzzy Classifier**  
Halima Salah, LabSTIC laboratory, University 8 mai 1945 Guelma, Algeria  
Mohamed Nemissi, LabSTIC laboratory, University 8 mai 1945 Guelma, Algeria  
Hamid Seridi, LabSTIC laboratory, University 8 mai 1945 Guelma, Guelma, Algeria  
Herman Akdag, LIASD laboratory, University Paris 8, Paris, France

### COPYRIGHT

The **International Journal of Fuzzy System Applications (IJFSA)** (ISSN 2156-177X; eISSN 2156-1761), Copyright © 2019 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 Fuzzy System Applications* 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; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory