

# Table of Contents

## International Journal of Knowledge Discovery in Bioinformatics

Volume 6 • Issue 1 • January-June-2016 • ISSN: 1947-9115 • eISSN: 1947-9123

*An official publication of the Information Resources Management Association*

### Special Issue on Mining Big Biomedical Data

#### Guest Editorial Preface

vi Samah Jamal Fodeh, , Yale University, New Haven, CT, USA

#### Research Articles

- 1 **Genetic Diagnosis of Cancer by Evolutionary Fuzzy-Rough based Neural-Network Ensemble**  
Sujata Dash, North Orissa University, Baripada, India  
Bichitrananda Patra, SOA University, Bhubaneswar, India
- 17 **Detection of Breast Cancer by the Identification of Circulating Tumor Cells Using Association Rule Mining**  
Jananee S., Sri Venkateswara College of Engineering, Chennai, India  
Nedunchelian R., Sri Venkateswara College of Engineering, Chennai, India
- 26 **A Novel Evolutionary Biclustering Approach using MapReduce(EBC-MR)**  
Rathipriya R., Periyar University, Salem, India
- 37 **Local Optima Avoidance in GA Biclustering using Map Reduce**  
Gowri R., Periyar University, Salem, India  
Rathipriya R., Periyar University, Salem, India

#### COPYRIGHT

The **International Journal of Knowledge Discovery in Bioinformatics (IJKDB)** (ISSN 1947-9115; eISSN 1947-9123), Copyright © 2016 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 Knowledge Discovery in Bioinformatics* 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; The Standard Periodical Directory; Ulrich's Periodicals Directory