

# International Journal of Natural Computing Research

July-September 2015, Vol. 5, No. 3

## Table of Contents

### RESEARCH ARTICLES

- 1 **Materialized View Selection using Marriage in Honey Bees Optimization**  
*Biri Arun, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, India*  
*T.V. Vijay Kumar, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi, India*
  
- 26 **Feature Selection and Recognition of Face by using Hybrid Chaotic PSO-BFO and Appearance-Based Recognition Algorithms**  
*Santosh Kumar, Department of Computer Science & Engineering, Indian Institute of Technology (BHU), Varanasi, India*  
*Sanjay Kumar Singh, Department of Computer Science & Engineering, Indian Institute of Technology (BHU), Varanasi, India*
  
- 54 **Multi-Objective Higher Order Polynomial Networks to Model Insertion Force of Bevel-Tip Needles**  
*Hashem Yousefi, Auckland Bioengineering Institute, The University of Auckland, Auckland, New Zealand*  
*Mehdi Fallahnezhad, Kavli Institute for Systems Neuroscience/Centre for Biology of Memory, Norwegian University of Science and Technology (NTNU), Trondheim, Norway*

### Copyright

The **International Journal of Natural Computing Research (IJNCR)** (ISSN 1947-928X; eISSN 1947-9298), Copyright © 2015 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 Natural Computing Research* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; Cabell's Directories; DBLP; Google Scholar; INSPEC; JournalTOCs; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory