

Table of Contents

International Journal of Natural Computing Research

Volume 10 • Issue 4 • October-December-2021 • ISSN: 1947-928X • eISSN: 1947-9298

Research Articles

- 1 **Concept Drift Adaptation in Intrusion Detection Systems Using Ensemble Learning**
Deepa C. Mulimani, KLE Technological University, India
Shashikumar G. Totad, KLE Technological University, India
Prakashgoud R. Patil, KLE Technological University, India
- 23 **Detection of Small Oranges Using YOLO v3 Feature Pyramid Mechanism**
Francisco de Castro, Anna University, Chennai, India
Angelin Gladston, Anna University, Chennai, India
- 38 **Natural Computing of Human Facial Emotion Using Multi-Learning Fuzzy Approach**
Praveen Kulkarni, Dayanand Sagar University, India
Rajesh T. M., Dayananda Sagar University, India

COPYRIGHT

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