

Table of Contents

International Journal of System Dynamics Applications

Volume 7 • Issue 1 • January-March-2018 • ISSN: 2160-9772 • eISSN: 2160-9799

An official publication of the Information Resources Management Association

Research Articles

- 1 A Dynamic Model of Effective Factors on Open Innovation in Manufacturing Small and Medium Sized Companies**
Mohsen Shafiei Nikabadi, Department of Industrial Management, Faculty of Economics and Management,
Semnan University, Semnan, Iran
Amir Hakaki, Department of Industrial Management, Faculty of Economics and Management, Semnan University,
Semnan, Iran

- 27 The Dawn of Paternal HR: An Exploratory Study Using System Dynamics Approach**
Muhammad Abdullah, University of Central Punjab, Lahore, Pakistan
Salman Iqbal, University of Central Punjab, Lahore, Pakistan

- 45 Food Security Indicators for Subsistence Farmers Sustainability: A System Dynamics Approach**
Isdore Paterson Guma, Gulu University, Gulu, Uganda
Agnes Semwanga Rwashana, Makerere University, Kampala, Uganda
Benedict Oyo, Gulu University, Gulu, Uganda

- 65 Higher Order Sliding Mode Control for Blood Glucose Regulation of Type 1 Diabetic Patients**
Mounir Djouima, Electronics Department, LEA, University of Batna 2, Mostafa Benboulaïd, Batna, Algeria
Ahmad Taher Azar, Faculty of Computers and Information, Benha University, Benha, Egypt & School of
Engineering and Applied Sciences, Nile University, Giza, Egypt
Saïd Drid, LSP-IE, University of Batna 2, Batna, Mostafa Benboulaïd, Algeria
Driss Mehdi, University of Poitiers, Poitiers Cedex, France

- 85 The Stability of a Class of Fractional Order Switching System with Time-Delay Actuator**
Seyed Hossein Nabavi, Gonabad Branch, Islamic Azad University, Gonabad, Iran
Saeed Balochian, Gonabad Branch, Islamic Azad University, Gonabad, Iran

COPYRIGHT

The **International Journal of System Dynamics Applications (IJSDA)** (ISSN 2160-9772; eISSN 2160-9799), Copyright © 2018 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 System Dynamics 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; The Standard Periodical Directory; Ulrich's Periodicals Directory; Web of Science; Web of Science Emerging Sources Citation Index (ESCI)