

4821-1013

*Indian Journal of*  
**Computer Systems,  
Networks and Communications**

Volume 11

Number 1

SB  
24/9/2021  
January-June 2021

32



**GLOBAL RESEARCH PUBLICATIONS**

New Delhi (INDIA)

# INDIAN JOURNAL OF COMPUTER SYSTEMS, NETWORKS AND COMMUNICATIONS

VOLUME 11

NUMBER 1

2021

## CONTENTS

1. Lattice Reduction Aided Pre-Processor for MIMO Detection 1-8  
*K. Ferents Koni Jiavana, Aevin Thomas and S. Malarvizhi*
2. Determination of Indole-3-Acetic Acid (AUXIN) Levels in Plant Species Utilizing Phylogenetic Investigation 9-16  
*Kanchana V.*
3. Ontology based Decision Support System for Identifying the Physical Constituents of a Human Body 17-25  
*R. Jaya, C.S. Pillai and R. Jagadeesh Kannan*
4. A Comprehensive Study of Map Reduce Frequent Itemset Mining: A Survey 27-40  
*Palvi Rani and Ishan Ranjan*
5. A Hybrid Model for Selecting Improvement Projects: a Case Study in Medical Industry 41-48  
*Miguel Ortiz-Barrios, Heriberto Felizzola-Jimenez, Angelica Castañeda-Romero and Pedro López-Meza*
6. Strategic Thought and TIC as Tools of Management of Neighborhood Grocery Stores' Owner 49-55  
*Eduardo Chang Muñoz and Nohora Mercado-Caruso*
7. A Viable System Model for the Maritime and Port Logistics Cluster in Cartagena de Indias 57-63  
*Karolina Avila-Martinez and Jairo R. Coronado-Hernandez*
8. A Novel Compressed Video Watermarking Model using Hash based Encryption and Decryption Algorithm 65-76  
*T. Srinivasa Rao and Rajasekhara Rao Kurra*

