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PUBLICATIONS: [TOTAL NUMBER OF CITATIONS: 117; h-Index: 06; i-Index: 04]

Science Citation Index (SCI) Indexed Article				
S. No.	Article Title	Journal Name	Publisher Name	Year of Publishing
1	Trust-Based Intrusion Detection and Clustering Approach for Wireless Body Area Networks	Wireless Personal Communication	Springer	2019
2	A Clique-Based Scheduling in Real-Time Query Processing Optimization for Cloud-Based Wireless Body Area Networks	International Journal of Biomedical Engineering and Technology	InderScience	2019
3	Design an attribute-based Health Record Protection Algorithm for Healthcare Services in Cloud Environment	Multimedia Tools and Applications	Springer	2020
4	Beeware Routing Scheme for Detecting Network Layer Attacks in Wireless Sensor Networks	Wireless Personal Communication	Springer	2020
5	Reinforced Cuckoo Search based Fugitive Landfill Methane Emission Estimation	Environmental Technology & Innovation	Elsevier	2020
6	Hybrid Neural Network Classification for Irrigation Control in WSN Based Precision Agriculture	Ambient Intelligence and Humanized Computing	Springer	2020
SCOPUS Indexed Articles				
S. No.	Article Title	Journal Name	Publisher Name	Year of Publishing
1	An Energy Efficient and Secure Data Forwarding Scheme for Wireless Body Sensor Network	International Journal of Networking and Virtual Organizations	Inderscience	2019
2	A Survey on the Impact of DDoS Attacks in Cloud Computing: Prevention, Detection and Mitigation Techniques	Data Engineering and Communications Technologies	Springer	2020
3	A Novel Strategy for Prediction of Cellular Cholesterol Signature Motif from G Protein-Coupled Receptors based on Rough Set and FCM Algorithm	4th International Conference on Computing Methodologies and Communication	IEEE	2020
4	Programmed water management system for irrigation using internet of things	International Conference on Intelligent Sustainable Systems	IEEE	2019

5	A secure and energy efficient resource allocation scheme for wireless body area network	International Conference on I-SMAC	IEEE	2018
6	Fault detection methodology in wireless sensor network	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)	IEEE	2018
7	Secured WBANs for pervasive m-healthcare social networks	International Conference on Intelligent Systems and Control	IEEE	2016
8	Identification of Abdominal Aorta Aneurysm Using Ant Colony Optimization Algorithm	Advances in Intelligent Systems and Computing	Springer	2014
9	Cell segmentation and NC ratio analysis for biopsy images using marker controlled watershed algorithm	IEEE International Conference on Green Computing, Communication and Electrical Engineering	IEEE	2014
10	Retinal and cancer cell image segmentation for predicting the diseased images	IEEE International Conference on Green Computing, Communication and Electrical Engineering	IEEE	2014
11	Detecting diseased images by segmentation and classification based on semi-supervised learning	12th International Conference on Hybrid Intelligent Systems	IEEE	2012
Other Reputed Indexed Article				
S. No.	Article Title	Journal / Book / Conference Name	Publisher Name	Year of Publishing
1	An Efficient Packet Delivery Scheme Using Trust Routing in G.9959 Protocol in a Wireless Sensor Network	Journal of Ubiquitous Computing and Communication Technologies	IRO Journals	2020
2	Smart City Applications with Solutions-A Survey.	International Journal of Psychosocial Rehabilitation	Hampstead Psychological Associates	2019
3	Review on task scheduling in ubiquitous clouds	Journal of ISMAC	IRO Journals	2019
4	An Efficient performance analysis on Item based Collaborative Recommendation System on Big Data Using Apache Mahout and Map Reduce Framework	IRO Journal on Sustainable Wireless Systems	IRO Journals	2019
5	A Study of Research Notions in Wireless Body Sensor Network (WBSN)	IRO Journal on Sustainable Wireless Systems	IRO Journals	2019
6	Cloud Abetted WS-BAN for Far-Off Healthcare Using Proposed Cushy Data N/w.	IRO Transaction on Science and Technology	IRO Journals	2019
7	Task Scheduling in a Cloud computing Environment using Grey Wolf Optimization – Particle Swarm Optimization (GWO-PSO) Algorithm	Advances in Intelligent Systems and Computing.	Springer	2018
8	Deep learning neural network with semi supervised segmentation for predicting retinal and cancer cell diseased images	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	-	2014
9	A Comparative Study on Medical Image Segmentation Models	International Journal of Computer Science and Information Technology & Security.	-	2014
10	Detecting Abdominal Aorta Aneurysm using Bio-Computing Technology	International Journal of Computer Applications	-	2013

CONFERENCES PRESENTED

In India (SCOPUS Indexed):

1. **“A Novel Strategy for Prediction of Cellular Cholesterol Signature Miotif from G Protien – Coupled Receptors based on Rough Set and Fuzzy C-Means Algorithm”** – International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC – 2019), Palladam, Tamil Nadu, INDIA.
2. **“Task Scheduling in a Cloud computing Environment using Grey Wolf Optimization – Particle Swarm Optimization (GWO-PSO) algorithm”**, International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2019) at Coimbatore, INDIA.
3. **“Programmed Water Management System for Irrigation Using Internet of Things”** - IEEE International Conference on Intelligent Sustainable Systems (ICISS 2019) at Coimbatore, INDIA.
4. **“A Secure and Energy Efficient Resource Allocation Scheme for Wireless Body Area Network”** - IEEE International conference on (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018) at Coimbatore, INDIA.
5. **“Fault Detection Methodology in Wireless Sensor Network”** - IEEE International Conference on (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018) at Coimbatore, INDIA.
6. **“A Survey on the Impact of DDoS Attacks in Cloud Computing: Prevention, Detection and Mitigation Techniques”** – Springer: Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2019).
7. **“Named Data Networking from IoT based Manets and its QoS estimations using AODV Protocol”**, Springer: International Conference on Inventive Communication and Computational Technologies (ICICCT 2019) at Gnanamani College of Technology, Namakkal, Tamil Nadu, India.
8. **“Secured WBANS for Pervasive M-Healthcare Social Networks”** - IEEE International Conference on Intelligent Systems and Control (ISCO 2016) at Karpagam College of Engineering, Coimbatore, INDIA.
9. **“Detecting Diseased Images by Segmentation and Classification Based On Semi – Supervised Learning”** – IEEE Conference “Hybrid Intelligence System (HIS – 2012)” at MIT – Pune, INDIA.
10. **“Retinal and cancer cell image segmentation for predicting the diseased images”** - IEEE International Conference on Green Computing Communication and Electrical Engineering (ICGCCEE 2014) at Coimbatore, INDIA.
11. **Cell Segmentation and NC ratio analysis for biopsy images using marker-controlled Watershed Algorithm** - IEEE International Conference on Green Computing Communication and Electrical Engineering (ICGCCEE 2014) at Coimbatore, INDIA.
12. **“Identification of Abdominal Aorta Aneurysm Using Ant Colony Optimization Algorithm”** - 48th Annual Convention of Computer Society of India at Vishakapatnam.

In India: (Reputed Indexed)

1. **“Trust-Based Intrusion Detection for Wireless Body Area Networks”** - IRO World Science and Technology Congress – (IROWSTC 2016) at Bangalore, INDIA.
2. **“Secured Polling based on Virtual Cloud”** – International Conference on Advances in Communication and Computing (ICACC 2013) at Karpagam College of Engineering, Coimbatore, INDIA.

In Abroad:

1. **“Secure and Reliable Data Forwarding Scheme for Wireless Body Sensor Devices”** - International Conference on Innovative Systems (ICIS 2016) at Hongkong.
2. **“Query Optimization for WBAN”** - International Conference of Computation and Communication Technologies (ICCCT 2016) by Inventive Research Organization at Sentral Meeting Hall 50470 Kuala Lumpur at Malaysia.
3. **“Cloud Abetted WS-BAN for Far-Off Healthcare Using Proposed Cushy Data Network”** International Conference on Inventive Research in Science and Technology (ICIRST 2016) by Inventive Research Organization at Thailand.

PATENTS

International / Foreign Patent					
S. No.	Patent ID	Patent Title	Status	Date of Publishing / Granting	Country
1	2020101210	Automated Screening System of COVID-19 Infected Person's by Measurement of Respiratory Data Through Deep Facial Recognition	Granted	30-07-2020	Australia

Indian Patent				
S. No.	Patent ID	Patent Title	Status	Date of Publishing / Granting
1	201941010264	System and Method for Mapping Entities Securely	Published	22-03-2019
2	201941019479	Sensitive Information Management System and Method Thereof	Published	24-05-2019

3	201941028405	System and Method for Detecting Presence of An Intruder near a Neonatal Crib	Published	02-08-2019
4	201941037560	A Novel Selection Algorithm Based on Similarity Theory	Published	11-10-2019
5	201941041826	Design of an Real Time Smart Health Care System Through Data Mining and IoT	Published	25-10-2019
6	202041004564	System and Method for Analyzing Proficient and Sheltered Data Forwarding in Wireless Healthcare Observation System	Published	07-02-2020
7	202041011076	Motivational Recommendation System and Method	Published	20-03-2020