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Commendable Recent Research Publications:

S.No.	Paper Title, Authors, Vol.,No., PageNos.,Year,Journal, Publisher,DOI	Type of Journal SCI/SCIE/Referred
1.	“AN EFFICIENT ANONYMOUS AUTHENTICATION SCHEME FOR BLOCKCHAIN ASSISTED AND FOG-ENABLED SMART GRID”, Jegadeesan Subramani, Azees Maria, Audithan Sivaraman , P. Vijayakumar, Fayez Alqahtani and Amr Tolba, Volume 119, 2024, COMPUTERS AND ELECTRICAL ENGINEERING, ELSEVIER , Impact Factor:4.0 DOI: https://doi.org/10.1016/j.compeleceng.2024.109508	SCI Indexed Journal Impact factor:4.0
2.	“A TWO-STAGE DIFFERENTIAL PRIVACY SCHEME FOR FEDERATED LEARNING BASED ON EDGE INTELLIGENCE”, LiZhang, JianboXu, AudithanSivaraman , Jegatha Deborah Lazarus, Pradip Kumar Sharma, VijayakumarPandi, Volume-28, Issue -6, Page(s) 3349 - 3360, 2024, IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS; IEEE , Impact Factor: 7.7 DOI: 10.1109/JBHI.2023.3306425	SCI Indexed Journal Impact factor:7.7
3	“DATA AUDITING SCHEME TOWARD CLOUD-EDGE DISTRIBUTED AND RESILIENT MACHINE LEARNING”, Yi Li, Jian Shen, PandiVijayakumar, Chin-Feng Lai, AudithanSivaraman and Pradip Kumar Sharma, Volume-70, Issue 1, Pages (s) 2244 – 2256, 2024, IEEE TRANSACTIONS ON CONSUMER ELECTRONICS , IEEE , Impact Factor: 4.3 DOI: 10.1109/TCE.2024.3368206	SCI Indexed journal Impact factor:4.3

4	<p>“SDN ENABLED ROLE BASED SHARED SECRET SCHEME FOR VIRTUAL MACHINE SECURITY IN CLOUD ENVIRONMENT”, H M Anitha, P Jayarekha , AudithanSivaraman , Ashima Mehta , Nalina V, 2024, CYBER SECURITY AND APPLICATIONS, ELSEVIER, DOI: https://doi.org/10.1016/j.csa.2024.100043</p>	Scopus Indexed
5	<p>“A MULTI-NODE COLLABORATIVE DECISION-MAKING SCHEME FOR PRIVACY PROTECTION IN IIOT”, Mengya Chen, Wenyong Zheng, PandiVijayakumar, MamounAlazab and AudithanSivaraman, Volume-19, Issue 12, Pages(s) 11531 – 11541, 2023, IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, IEEE, Impact Factor: 12.3 DOI: 10.1109/TII.2023.3247020</p>	SCI Indexed journal Impact factor:12.3
6	<p>“MODELING AND OPTIMIZATION OF COLLABORATIVE COMPUTING IN REGIONAL MULTI-ENERGY SYSTEMS FOR ENERGY INTERNET”, Yuhuai Peng, Jing Wang, Chunyang Hu, Yang Song, Qiming Li and AudithanSivaraman, Volume – 39, 2023, SUSTAINABLE COMPUTING: INFORMATICS AND SYSTEMS, ELSEVIER, Impact Factor: 4.5 DOI: https://doi.org/10.1016/j.suscom.2023.100877</p>	SCI Indexed Journal Impact factor:4.1
7	<p>“TOWARDS INTELLIGENT DATA PROCESSING: A VERIFIABLE AND LIGHTWEIGHT SEARCHABLE ENCRYPTION SCHEME WITH CONSTANT CLIENT-SIDE STORAGE COST”, JiaxinGu, WenyongZheng,PandiVijayakumar,, Brij B. Gupta AudithanSivaraman, and Ammar Almomani, Volume-13, 2023, HUMAN-CENTRIC COMPUTING AND INFORMATION SCIENCES DOI: https://doi.org/10.22967/HCIS.2023.13.053</p>	SCI indexed Journal Impact factor:6.1
8	<p>“INTELLIGENT PERSONALISED LEARNING SYSTEM BASED ON EMOTIONS IN E-LEARNING”, R. Karthika, V. Elizabeth Jesi, Mary Subaja Christo, L. Jegatha Deborah, AudithanSivaraman, Sanjeev Kumar, Volume – 27, Page(s) 2211 – 2223, 2023, PERSONAL AND UBIQUITOUS COMPUTING, Springer DOI: https://doi.org/10.1007/s00779-023-01764-7</p>	Scopus indexed Journal

9	<p>“AN INTEGRATED SECURITY APPROACH FOR VEHICULAR NETWORKS IN SMART CITIES”, Ganesh Gopal Devarajan, M. Thirunnavukkarasan, SardarIrfanullah Amanullah, T. Vignesh, Audithan Sivaraman, Volume 34, Issue 11, 2023, TRANSACTIONS ON EMERGING TELECOMMUNICATION TECHNOLOGIES, WILEY DOI: https://doi.org/10.1002/ett.4757</p>	<p>SCI indexed Journal Impact factor:3.4</p>
10	<p>“AN IMPROVED ENTITY RECOGNITION APPROACH TO CYBER-SOCIAL KNOWLEDGE PROVISION OF INTELLECTUAL PROPERTY USING A CRF-LSTM MODEL”, Yang Wang, PandiVijayakumar, BrijB.Gupta, WadeeAlhalabi and AudithanSivaraman, , Volume – 163, Page(s) 145 – 151, 2022, PATTERN RECOGNITION LETTERS, ELSEVIER, Impact Factor: 5.1 DOI: https://doi.org/10.1016/j.patrec.2022.10.001</p>	<p>SCI indexed Journal Impact factor:5.2</p>

PAPERS PRESENTED IN CONFERENCES:

1. “Anonymous Authentication Scheme For Federated Learning”, Dr. Tianqi Zhou, Prof. Jian Shen, Dr. P Vijaya kumar, Dr. Md Zakirul Alam Bhuiyan and Mr. S Audithan on 20th May 2023, **IEEE INFOCOM 2023 - IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS)**
2. “Drug Traceability and health monitoring system with Hyperledger Fabric”, P.Vijaya kumar, S.C.Rajkumar, Audithan Sivaraman, P.Jayarekha, S.Chandrasekaran on 12-14 July, 2024 –**International Conference on Blockchain , Metaverse and Trustworthy Systems**

POSTER PRESENTATION:

A SUSTAINABLE APPROACH TO EVALUATE THE IMPACT OF URBANSPRAWL ON COASTAL FLOODING IN OSHIWARA WATERSHED, MUMBAI, INDIA by **Shray Pathak, Audithan Sivaraman, Geetha Sambandam** in **EGU 23 held at AUSTRIA, VIENNA**

CHAPTERS AUTHORED:

Book Title: **New Approaches for Multidimensional Signal Processing**

Chapter Title: **Review of the Security Risks and Practical Concerns with Current and Future (6G) Communications Technology**

Copy Right Year: **2024**

Publisher: **Springer**

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