



St. JOSEPH'S INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Publication Details 2021 - 2022

S.No	Author Name	Title of the Paper	Name of Journal	Category (Scopus/WoS)	Month & Year
JOURNAL					
1	Dr. J. Dafni Rose, Dr. K. Vijayakumar	Computer-aided diagnosis for breast cancer detection and classification using optimal region growing segmentation with MobileNet model	Concurrent Engineering Research and Applications	WOS, SCOPUS	April 2022
2	Dr. K. Vijayakumar	Predicting Breast Cancer Biopsy Outcomes from BI-RADS Findings Using Random Forests with Chi-Square and MI Features	Multimedia Tools and Applications	SCIE, Scopus	June 2021
3	Dr. K. Vijayakumar	An Intensive Healthcare Monitoring Paradigm by using IoT based Machine Learning Strategies	Multimedia Tools and Applications	SCIE, Scopus	June 2021
4	Dr. K. Vijayakumar	Breast Cancer Diagnosis Using Multiple Activation Deep Neural Network	Concurrent Engineering: Research and Applications	SCIE, Scopus	June 2021
5	Dr. S. Padmakala, Dr. C. A. Subasini, Dr. Adlin sheeba	ESVM-SWRF: Ensemble SVM-based sample weighted random forests for liver disease classification	International Journal for Numerical Methods in Biomedical Engineering	SCIE, Scopus	August 2021
6	Dr. C. A. Subasini, Dr. Adlin sheeba, Dr. S. Padmakala	Developing an attack detection framework for wireless sensor network-based healthcare applications using hybrid convolutional neural network	Transactions on Emerging Telecommunications Technologies	SCIE, Scopus	August 2021
7	Dr. D.Manohari	Multi-Model Detection of Lung Cancer Using Unsupervised Diffusion classification Algorithm	Intelligent Automation & Soft Computing	SCIE, Scopus	September 2021
8	Dr. K. Vijayakumar	Design of Thermal imaging-based health condition monitoring and early fault detection techniques for porcelain insulators using Machine Learning	Environmental Technology & Innovation	SCIE, Scopus	October 2021

9	Dr. Adlin Sheeba	Enhancement of Energy Efficiency and Network Lifetime Using Modified MPCT	Journal of Interconnection Networks	ESCI, Scopus	February 2022
10	Dr. Adlin Sheeba, Dr.S.Padmakala, Dr.C.A.Subasini	MKELM: Mixed Kernel Extreme Learning Machine using BMDA optimization for web services based heart disease prediction in smart healthcare	Computer Methods in Biomechanics and Biomedical Engineering	SCIE, Scopus	February 2022
11	Dr. K. Vijayakumar	A 4-Bit 4GS/s differential current steering DAC for 16-bit PAM transmitter in 45-nm CMOS technology	Applied Nanoscience	WOS, SCOPUS	February 2022
12	Dr. K. Vijayakumar	Learning -based approach to underwater image dehazing using CycleGAN	Arabian Journal of Geosciences	SCOPUS	August 2021
13	Mrs. V. Nisha Jenipher, Dr. Adlin Sheeba	High Level Identification using Palm Vein based on Deep Neural Network	Pervasive computing & Social networking	SCOPUS	January 2022
14	Mrs. E. Ajitha	An Empirical Investigation in measuring the role of Blockchain enhancing innovation in the Health care Industry for sustainable Business Perspective	BULLETIN OF ENVIRONMENT, PHARMACOLOGY AND LIFE SCIENCES	WOS	April 2022
15	Dr. Adlin Sheeba	ANALYSIS OF POPULATION DISEASE ESTIMATES USING THE HEALTH CARE DATABASE	BULLETIN OF ENVIRONMENT, PHARMACOLOGY AND LIFE SCIENCES	WOS	April 2022
16	Dr. Adlin Sheeba	PHARMACEUTICAL CHEMISTRY IS CHANGING THE WAY MEDICINES ARE DISCOVERED AND DEVELOPED	BULLETIN OF ENVIRONMENT, PHARMACOLOGY AND LIFE SCIENCES	WOS	May 2022
17	Dr. S. Padmakala, Mrs. Revathy. S, Mrs. K. Vijayalakshmi	CNN Supported Automated Recognition of COVID-19 infection in Chest X-Ray Images	Science direct- Meterials Today Proceodings	SCOPUS	May 2022
18	Dr. U Sakthi, Dr. J.Dafni Rose	Blockchain-Enabled Smart Agricultural Knowledge Discovery System using Edge Computing	Procedia Computer Science	SCOPUS	May 2022

OTHERS

S.No	Author Name	Title of the Paper	Name of Journal	Category (Scopus/WoS)	Month & Year
1	Mrs. V Nisha Jenipher	A Robust face regonition system model for real time application with occlusion challenges	4th International Conference on Computer Networks, Big Data and IoT(ICCBI-2021)	Google Scholar	Feb 2022

2	Dr. Adlin Sheeba	Dynamic Service Orient Target Analysis Model for Improved Intrusion Detection in Cloud	Design Engineering	Google Scholar	2021
3	Mrs. V. Nisha Jenipher	Big data Architecture for Network Security	Wiley	Google Scholar	March 2022
4	Mrs. V Nisha Jenipher, Dr. J. Dafni Rose	XGBOOST Algorithm in Identifying Growing Disorder of the Nervous System and Diagnosis of Parkinson's Disease	Recent Trends and Techniques in Computing(RTTC-2021)	Google Scholar	Jan 2021
5	Mrs. V Nisha Jenipher	Identification Of Non-small Cell Lung Tumor By k-means Algorithm	International virtual conference on recent trends and techniques in computing	IETE CHENCON	Jan 2021
6	Mrs.Jaspin K	Analysis of Texture Features of Normal Brain and Glioma in MRI Images	International Conference of Power of Digital Technologies in Societal Empowerment-IETE CHENCON 2021	IETE CHENCON	Jan 2021

CONFERENCE

S.No	Author Name	Title of the Paper	Name of Conference	Category (Scopus/WoS)	Month & Year
1	Dr. K. Vijayakumar	Applied Informatics in Renewable Energy Grid with Dynamic Reactive Power Configuration Based on a Probability Assessment of Transient.	IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2022	SCOPUS	January 2022
2	Dr. S. Padmakala	Enhancement of Modified Multiport Boost Converter for Hybrid System	International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)	SCOPUS	December 2021
3	Dr. K. Vijayakumar	A Efficient Ensemble model for Forecasting Time Series Analysis of Crypto Currency Data Using Machine learning	IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021.	SCOPUS	September 2021
4	Dr. K. Vijayakumar	Machine Learning Smart Traffic Prediction and Congestion Reduction	IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021.	SCOPUS	September 2021

5	Dr. K. Vijayakumar	A Time Optimization model for the Internet of Things -based Healthcare Systems using Fog Computing	IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021.	SCOPUS	September 2021
6	Dr. K. Vijayakumar	Forecasting the Lung Diseases from Radiography Scans with Hybrid Transfer Learning Techniques	IEEE International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021.	SCOPUS	September 2021
7	Dr. K. Vijayakumar	Consumer Friendly Energy Meter for Home Application	IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2022	SCOPUS	January 2022
8	Dr. K. Vijayakumar	Hybrid Intelligence for Multimedia Data in Intra IoT(IIoT) Cloud by Persistent Homology	IEEE International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2022	SCOPUS	January 2022
9	Dr. J. Dafni Rose	Factual Question Generation System Using Pro Semantic Ranker	4th International Conference on Intelligent Computing(ICoNIC)	SCOPUS	October 2021
10	Mrs.Jaspin K, Dr. J. Dafni Rose	Real-Time Surveillance for Identification of Fruits Ripening Stages and Vegetables Maturation Stages with Infection Detection	6th International Conference on Signal Processing, Computing and Control (ISPCC), 2021	SCOPUS	October 2021
11	Mrs. V Nisha Jenipher, Dr. J. Dafni Rose	Learning Algorithm with Data Balancing in Credit Card Fraud Detection Application	5th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)	SCOPUS	November 2021
12	Dr. J. Dafni Rose, Dr. M. Vijayakumar	Efficient Multilevel Federated Compressed Reinforcement Learning of Smart Homes Using Deep Learning Methods	2021-International Conference on Innovative Computing, Intelligent Communication and Smart Electrical systems (ICSES -2021)	SCOPUS	December 2021
13	Dr. J. Dafni Rose	Automatic Feature Extraction and Traffic Management Using Machine Learning and Open CV Model	2021-International Conference on Innovative Computing, Intelligent Communication and Smart Electrical systems (ICSES -2021)	SCOPUS	December 2021

14	Mrs. V Nisha Jenipher	Protecting Online media Information using Customized Positioning Based proposal	International Conference on Computer Communication and Informatics - ICCCI 2022	SCOPUS	January 2022
15	Dr. Adlin Sheeba	A patient-centered secured approach to E-Health	International Conference on Computer Communication and Informatics - ICCCI 2022	SCOPUS	January 2022
16	Mrs. V Nisha Jenipher	An Automated System for detecting Rice crop disease using CNN Inception V3 Transfer Learning Algorithm	International Conference on Artificial Intelligence and Smart System - ICAIS 2022	SCOPUS	February 2022
17	Mrs. E. Ajitha	Lung Cancer Prediction using Extended KNN Algorithm	6th International Conference on Computing Methodologies and Communication (ICCMC 2022)	SCOPUS	May 2022
BOOK CHAPTER					
S.No	Author Name	Title of the Paper	Name of Book Chapter	Category (Scopus/WoS)	Month & Year
1	Dr. Adlin Sheeba	The Empirical Analysis for Effective Prediction of Crop Price using Neuro Evolutionary Algorithm	Blockchain-Based Systems for the Modern Energy Grid	SCOPUS	November 2021
2	Dr. J. Dafni Rose	Blockchain based Internet of Vehicles for Intelligent Transportation System Using Fog Computing	4th International Conference on Computer Networks, Big Data and IoT (ICCBI 2021)	SCOPUS	May 2022