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St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
OMR, Chennai - 119



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Publication Details 2019 - 2020

S.No	Author Name	Title of the Paper	Name of Journal/ Conference	Category (Scopus/ WoS)	Month & Year
JOURNAL PUBLICATIONS					
1	Dr.K.Vijayakumar	Breast Cancer Diagnosis Using Feature Ensemble Learning Based on Stacked Sparse Auto encoders and Softmax Regression	Journal of Medical Systems (Springer)	SCIE, Scopus	July 2019
2	Dr.K.Vijayakumar	Implementation of Software Agents and Advanced AoA for Disease Data Analysis	Journal of Medical Systems (Springer)	SCIE, Scopus	July 2019
3	Dr.K.Vijayakumar	Continuous security assessment of cloud-based applications using distributed hashing algorithm in SDLC	Cluster Computing	SCIE, Scopus	September 2019
4	Dr.K.Vijayakumar	An Intelligent approach for Dynamic Network Traffic Restriction using MAC Address Verification	Computer Communications(Els evier)	SCIE, Scopus	February 2020
5	Dr.K.Vijayakumar	Stock Market Analysis Using Candlestick regression and Market Trend Prediction (CKRM)	Journal Ambient Intelligence and Humanized Computing (Springer)	SCIE, Scopus	April 2020
6	Dr. U. Sakthi	A soft-computing based hybrid tool to extract the tumour section from brain MRI	Multimedia Tools and Applications	SCIE, Scopus	February 2020
7	Dr. U. Sakthi	Object Tracking based 3d Modelling and Quantification of Abnormal Contours in Brain MRI DICOM Study	Journal of Engineering Science and Technology	ESCI, Scopus	August 2019

8	Dr. U. Sakthi	A hybrid intrusion detection system for SDWSN using random forest machine learning approach	International Journal of Advanced Computer Science and Applications	SCIE, Scopus	January 2020
9	Mr. R. Ramkumar	Non-Functional Requirement based Software architecture scheme with security requirement using Hybrid Group Search Optimization and Genetic Algorithm	Journal of Ambient Intelligence and Humanized Computing	SCIE, Scopus	April 2020
10	Dr S Padmakala	Using diverse set of features to design a content-based video retrieval system optimised by gravitational search algorithm	International Journal of Business Intelligence and Data Mining	Scopus	April 2020
11	Dr. U. Sakthi	An Efficient anonymous authentication scheme to improve security and privacy in SDN based wireless sensor networks	Indian Journal of Computer Science and Engineering	Scopus	Jan-Feb 2020
12	Dr. U. Sakthi	Cloud Security Risk Analysis Method Based On Fuzzy Logic	International Journal of Recent Technology and Engineering	Scopus	September 2019
13	Mrs.S.Rajalakshmi	Optimal Detection of Phising Attack using SCA based K-NN	Procedia Computer Science	Scopus	January 2020

CONFERENCE PUBLICATIONS

1	Dr. U. Sakthi	Security issues, Countermeasures and Dynamic queue scheduling for SDWSN	International Conference on Signal Processing and Communication	Scopus	March 2019
2	Dr. Adlin sheeba, Dr.S.Padmakala, Dr. C.A. Subasini	Ontology based Semantic Description and Registration of Mathematical Web Services	2019 IEEE Third International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)(I-SMAC)	Scopus	March 2020
3	Mrs.S.Rajalakshmi	A Novel Resource Discovery Mechanism using sine cosine optimization in cloud	International Conference on Intelligent Computing and	Scopus	June 2020

			Control Systems		
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1	Dr. U. Sakthi	An Artificial Immune System- Based Algorithm for Abnormal Pattern in Medical Domain	The Journal of Supercomputing (Springer)	SCIE, Scopus	December 2020
2	Dr.K.Vijayakumar	Improving the Lifetime of an Out-Patient Implanted Medical Device Using a Novel Flower Pollination-Based Optimization Algorithm in WBAN Systems	Mathematics, MDPI Publisher	SCIE, Scopus	December 2020
3	Dr.K.Vijayakumar	Secured segmentation for ICD datasets	Journal Ambient Intelligence and Humanized Computing (Springer)	SCIE, Scopus	May 2021
4	Dr.K.Vijayakumar	Design of 4×4 antenna array for breast cancer detection	Analog Integrated Circuits and Signal Processing,(Springer)	SCIE, Scopus	December 2020
5	Dr.K.Vijayakumar	A cost-effective computer-vision based breast cancer diagnosis	Journal of Intelligent & Fuzzy Systems	SCIE, Scopus	March 2021

6	Dr.K.Vijayakumar	Machine Learning based Classification of EEG Signal for Detection of Child Epileptic Seizure without Spinning	International Journal of Speech Technology	ESCI, Scopus	May 2021
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CONFERENCE PUBLICATION

1	Dr. U. Sakthi Dr.J.Dafni Rose	Smart Agricultural Knowledge Discovery System using IoT Technology and Fog Computing	Third International Conference on Smart Systems and Inventive Technology (ICSSIT)	SCOPUS	August 2020
2	Dr. U. Sakthi	Analysis of Histogram Distance Measures for Change Detection In Brain Symmetry	Sixth International Conference on Bio Signals, Images, and Instrumentation	SCOPUS	February 2020
3	Dr. C.A. Subasini	Securing of Cloud Data with Duplex Data Encryption Algorithm	5th International Conference on Computing Methodologies and Communication (ICCMC)	SCOPUS	April 2021
4	Ms. V. Nisha Jenipher	A Traceability set up using Digitalization of Data and Accessibility	International Conference on Intelligent Sustainable Systems	SCOPUS	December 2020
5	Ms. V. Nisha Jenipher	Study on Early Prediction of Lung Cancer Using ML Techniques	International Conference on Intelligent Sustainable Systems	SCOPUS	December 2020
6	Mr. A. Deepak Kumar Mr. C. Gowtham	Decentralized Loan Management Application Using Smart Contracts On Blockchain	4th International conference for Phoenixes on Emerging Current Trends in Engineering and Management	SCOPUS	March 2021
7	Dr. Adlin Sheeba	Consuming E-Learning Twitter Data by Live Streaming	2021 6th International Conference on Inventive Computation Technologies (ICICT)	SCOPUS	February 2020
8	Ms. V. Nisha Jenipher	SVM Kernel methods with Data Normalization for Lung cancer Survivability Prediction Application	2021 Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks	SCOPUS	February 2020

			(ICICV)		
9	Mrs. K. Jaspin	Efficient and Secure File Transfer in Cloud Through Double Encryption Using AES and RSA Algorithm	International Conference on Emerging Smart Computing and Informatics (ESCI)	SCOPUS	April 2021



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JOURNAL PUBLICATION					
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.	Developing an attack detection framework for wireless sensor network-based healthcare applications using hybrid	Transactions on Emerging Telecommunications Technologies	SCIE, Scopus	August 2021

	Padmakala	convolutional neural network			
7	Dr. D.Manohari	Multi-Model Detection of Lung Cancer Using Unsupervised Diffusion clasification 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 Algorithm in Wireless Sensor Networks	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	BULLETIN OF ENVIRONMENT, PHARMACOLOGY	WOS	April 2022

		HEALTH CARE DATABASE	AND LIFE SCIENCES		
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- Materials Today Proceedings	SCOPUS	May 2022
18	U Sakthi, J.Dafni Rose	Blockchain-Enabled Smart Agricultural Knowledge Discovery System using Edge Computing	Procedia Computer Science	Scopus	May 2022

CONFERENCE PUBLICATION

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 (ICSSES)	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, ICSSES 2021.	SCOPUS	September 2021
4	Dr. K.	Machine Learning Smart	IEEE International	SCOPUS	September

	Vijayakumar	Traffic Prediction and Congestion Reduction	Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2021.		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

18	Dr. S. Padmakala	Network Physical Layout based reliable routing in Vehicular Ad-hoc Networks	4 th International Conference on Computer Networks, Big Data and Iot (ICCBI-2021)	SCOPUS	December 2021
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4	Dr. K. Vijayakumar	Machine Learning Smart Traffic Prediction and Congestion Reduction	IEEE International Conference on Innovative Computing, Intelligent Communication and	SCOPUS	September 2021

			Smart Electrical Systems, ICSES 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	6th International Conference on Signal Processing, Computing and Control (ISPCC),	SCOPUS	October 2021

		Detection	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
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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
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17	Mrs. E. Ajitha	Lung Cancer Prediction using Extended KNN Algorithm	6th International Conference on Computing	SCOPUS	May 2022

			Methodologies and Communication (ICCMC 2022)		
18	Dr. S. Padmakala	Network Physical Layout based reliable routing in Vehicular Ad-hoc Networks	4 th International Conference on Computer Networks, Big Data and Iot (ICCB-2021)	SCOPUS	December 2021
BOOK CHAPTER					
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 (ICCB 2021)	SCOPUS	May 2022
OTHERS					
1	Mrs. V Nisha Jenipher	A Robust face recognition 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	IETE CHENCON	Jan 2021

			Societal Empowerment-IETE CHENCON 2021		
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