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**3** GOOD HEALTH  
AND WELL-BEING



# PUBLICATIONS



# Madanapalle Institute of Technology & Science

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Sustainable Development Goals 2023

**New: See at one glance Sustainable Development Goals mapped to this organisation**

Sustainable Development Goals (SDGs) are specific research areas that are helping to solve real-world problems. Elsevier data science teams have built extensive keyword queries, supplemented with machine learning, to map documents to SDGs with very high precision. Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact Rankings. [More about SDGs ↗](#)

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## 129 documents for **Good health and well-being**

Conference Paper

Enhancing brain tumour classification and detection using CNN

Jaleel, D.A., Darshan, D.S., Kumar, K.V.D., Faizan, S., Kumar, T.H.

**Computational Methods in Science and Technology - Proceedings of the 4th International Conference on Computational Methods in Science and Technology, ICCMST 2024, 2025**

Article • *Open access*

Exploring Feature Relationships in Brain Stroke Data Using Polynomial Feature Transformation and Linear Regression Modeling

Parvathi, S.S., Aruna Devi, B., Kulkarni, G.L., ...Bindu, K.V., Neha, n.

***Journal of Machine and Computing*, 2024**

Article • *Open access*

Scalability and performance of decision tree for cardiovascular disease prediction

Assegie, T.A., Komal Kumar, N., Thiyagu, T., ...Priya, M.J.T.V., Vigneswari, D.

***IAES International Journal of Artificial Intelligence*, 2024**

Article

Hybrid deep learning enabled breast cancer detection using mammogram images

Sathish Kumar, P.J., Shibu, S., M, M., Kalaichelvi, T.

***Biomedical Signal Processing and Control*, 2024**

Article • *Open access*

Impact of Hybrid Work Model on Job Satisfaction of Techies during the COVID-19 Pandemic

Gangisetty, N., Dias, R.M., Irfan, M., ...Galvão, R.M., Varela, M.

***Journal of Ecohumanism*, 2024**

Article • *Open access*

Fuzzy rules-based Data Analytics and Machine Learning for Prognosis and Early Diagnosis of Coronary Heart Disease

Althaf Ali, A.A., Umamaheswari, S., Feroz Khan, A.B., Ramakrishnan, J.

***Journal of Information and Organizational Sciences*, 2024**

Article • *Open access*

Evaluation of sequential feature selection in improving the K-nearest neighbor classifier for diabetes prediction

Govindarajan, R., Vidhyashree, B., Arumugam, J., Assegie, T.A., Mothukuri, R.

***IAES International Journal of Artificial Intelligence*, 2024**

Article • *Open access*

Consistency, local stability, and approximation of Shapash explanation

Assegie, T.A., Bommy, M., Komal Kumar, N., ...Murugan, S., Mekonnen, A.M.

***Telkomnika (Telecommunication Computing Electronics and Control)*, 2024**

Article

Leveraging deep learning models for continuous glucose monitoring and prediction in diabetes management: towards enhanced blood sugar control

Mohamed Yousuff, A.R., Zainulabedin Hasan, M., Anand, R., Rajasekhara Babu, M.

***International Journal of System Assurance Engineering and Management*, 2024**

Article

IMPROVING THE CROSS-LAYER FUNCTIONALITY TO OVERCOME THE COLLISION IN MOBILE ADHOC NETWORK

Hemalatha, S., Nagaraj, J., Krishna, R.V., ...Phaneendra Maguluri, L.P., Kayalvili, S.

***Journal of Theoretical and Applied Information Technology*, 2024**

Article • *Open access*

Anticancer Efficacy and Folic Acid Biosensing using poly (3, 4-ethylene dioxythiophene)-Cadmium oxide Composite Platform

Thivya, P., Imran, K., Thenrajan, T., ...Kumar, P., Wilson, J.

***Journal of the Electrochemical Society*, 2024**

Article • *Open access*

Early prediction of chronic heart disease with recursive feature elimination and supervised learning techniques

Komal Kumar, N., Kumar, A.K., Murugan, S., ...Assegie, T.A., Kennedy, O.O.

***IAES International Journal of Artificial Intelligence*, 2024**

Article

Dual-Band MIMO Antenna Data Telemetry for Dual-Chamber Leadless Cardiac Pacing on Internet of Things Environment

Sharma, D., Tiwari, R.N., Kumar Kanaujia, B.K., Kumar, S.S., Rambabu, K.

***IEEE Internet of Things Journal*, 2024**

Article • *Open access*

Clinical Application of Neural Network for Cancer Detection Application

Kanna, R.K., Ravindraiah, R., Priya, C., Gomalavalli, R., Muralikrishna, N.

***EAI Endorsed Transactions on Pervasive Health and Technology*, 2024**

Conference Paper

An Extensive Challenge for Multi-Disease Identification using HYBRID Algorithm

Swetha, G.N., Likitha, P.R., Rakesh, P., Darshini, K.R.P.

**15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024, 2024**

Article

Remote Sensing–Based UAV Imaging in Heat Pattern Analysis Impact on Climate Change Detection Using Fuzzy Stacked Lasso Elastic-Net Model

Sailaja, M., Medapati, P.K., Jyothi, B.S., ...Manjula, S., Divya Priya, D.

**Remote Sensing in Earth Systems Sciences, 2024**

Article • *Open access*

Leveraging EfficientNetB3 in a Deep Learning Framework for High-Accuracy MRI Tumor Classification

Mahesh, T.R., Pothanaicker, K., Padma, S., ...Alzahrani, S., Alojail, M.A.

**Computers, Materials and Continua, 2024**

Conference Paper

Enhancing Radiologist's Performance in Breast Cancer Screening Using PSO Algorithm with CNN Classifier

Kumar, C., Sree, N.D., Lakshmi, R.D., Bhavana, B.

**2024 4th International Conference on Intelligent Technologies, CONIT 2024, 2024**

Conference Paper

Revolutionizing Cardiovascular Attack Prediction: A Comprehensive Machine Learning Approach for Accurate and Timely Detection

Durai, S., Jaganathan, D., Prabhu, V., Harini, R.

**Proceedings - 2024 International Conference on Expert Clouds and Applications, ICOECA 2024, 2024**

Article • *Open access*

Attention-based Feature Fusion with External Attention Transformers for Breast Cancer Histopathology Analysis

Vanitha, K., Manimaran, A., Chokkanathan, K., ...Vinoth Kumar, V., Vivekananda, G.N.

**IEEE Access, 2024**

Conference Paper

Molecular Biomarkers for Personalized Diagnosis and Treatment of Gastric Cancer Using Deep Learning Techniques

Sujatha, P., Primi, N., Menaga, D., ...Veerakumar, S., Kumar, B.R.

***Proceedings - 3rd International Conference on Advances in Computing, Communication and Applied Informatics, ACCAI 2024, 2024***

Article

TRANSITIONING FROM RADIOGRAPHS TO PRECISION DIAGNOSTICS FOR ATYPICAL CARCINOIDS, ADENOSQUAMOUS CARCINOMA, AND MUCOEPIDERMOID CARCINOMA USING ADVANCED MACHINE LEARNING ALGORITHMS

Devi, S.G., Athavale, V.A., Suresh, A., ...Kakarla, D., Vigneshwaran, K.

***Journal of the Balkan Tribological Association, 2024***

Conference Paper

Air Purification Robotics using Cloud and Deep Q Networks for Autonomous Systems

Elangovan, G.R., Balaji Damodhar, T.S., Sivagnanam, Y., ...Sivakumar, S., Malathi, N.

***Proceedings - 2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics and Smart Systems, ISTEMS 2024, 2024***

Conference Paper

Safeguarding Journeys: Raspberry pi's Intelligent Driver Monitoring

Pradeep Kumar, Y., Prashanth, K., Reddy, T.P., Vinay, G.P.

***International Conference on Smart Systems for Applications in Electrical Sciences, ICSSES 2024, 2024***

Article

Enhancing radiographic image interpretation: WARES-PRS model for knee bone tumour detection

Rahamathunnisa, U., Kothandapani, S., Rangan, R., Dhatchnamurthy, S.

***Network: Computation in Neural Systems, 2024***

Article • *Open access*

Two-phase numerical simulation of thermal and solutal transport exploration of a non-Newtonian nanomaterial flow past a stretching surface with chemical reaction

Vinothkumar, B., Saadeh, R.Z., Poornima, T., ...Khan, U., Siddiqui, M.I.H.

***Open Physics, 2024***

Conference Paper • *Open access*

## Evaluation of Adaptive Synthetic Resampling Technique for Imbalanced Breast Cancer Identification

Assegie, T.A., Salau, A.O., Sampath, K., ...Murugan, S., Lakshmi, B.V.

***Procedia Computer Science*, 2024**

Conference Paper

## Detection and Classification of Pneumonia in Chest X-ray Images using Deep Learning Techniques

Simpson, S.V., Taj, N.R., Deepika, G.R., Shreya, P., Swathi, K.

***Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024*, 2024**

Conference Paper

## Lung Cancer Recognition using CNN Algorithm and MATLAB

Bora, D.J., Sravani, E., Tharun, K.T., Sushma, K.

***Proceedings of the 2024 10th International Conference on Communication and Signal Processing, ICCSP 2024*, 2024**

Conference Paper

## An Early-Stage Colorectal Cancer Detection from Colonoscopy Images Using Enhanced Res-UNET

Mahanty, M., Vamsi, B., Dasari, M., Appaji, S.V.S.

***Springer Proceedings in Mathematics and Statistics*, 2024**

Conference Paper

## A Stroke Complication Neural Network Model to Predict the Severity of Brain Stroke Using Family History

Gangarapu, P., Sine, N., Vamsi, B.

***Springer Proceedings in Mathematics and Statistics*, 2024**

Conference Paper

## A Hybrid Deep Learning Approach for Early Detection and Classification of Lung Cancer Using the Pelican Optimization Algorithm

Kusuma, S., Gopalakrishnan, S., Samreen, K., Ramana, M.V., Prasad, G.S.

***International Conference on Distributed Computing and Optimization Techniques, ICDCOT 2024*, 2024**

Conference Paper

## Performance Analysis of the Machine Learning Algorithms for the Early Detection of Breast Carcinoma

Vanitha, K., Karpagavalli, S.M., Mahesh, T.R., ...Sridhar, T., Anitha, K.

**2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, IATMSI 2024, 2024**

Conference Paper

## Enhancing COVID-19 Prediction: Optimized Random Forest Classifier with Feature Selection

Komal Kumar, N., Govindarajan, R., Poojitha, N.G., ...Reddy, P.S., Kalyani, C.

**2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, IATMSI 2024, 2024**

Conference Paper

## Ensemble Techniques for the Prediction of Heart Disease with Reduced Entropy

Mahesh, T.R., Mohamed Musthafa, M., Rahman, A.M.J.M.Z., ...Vanitha, K., Venkatesan, V.K.

**2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, IATMSI 2024, 2024**

Conference Paper

## Improving Cardiovascular Disease Prediction: Machine Learning and Cross-Fold Validation

Komal Kumar, N., Kumar, A.K., Thorani, G., Sahithi, L., Pujitha, P.S.

**2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation, IATMSI 2024, 2024**

Article • *Open access*

## AI-Enhanced Comprehensive Liver Tumor Prediction using Convolutional Autoencoder and Genomic Signatures

Prabakaran, G., Dhinakaran, D., Raghavan, P., Gopalakrishnan, S., Elumalai, G.

**International Journal of Advanced Computer Science and Applications, 2024**

Article

## Detection and Classification of Diabetic Retinopathy Using Inception V3 and Xception Architectures

Sathiya, V., Shenbagavalli, B., Nirupa, V., Subramani, K.

**International Journal of Nutrition, Pharmacology, Neurological Diseases, 2024**

Article



Numerical investigation on MHD non-Newtonian pulsating  $\text{Fe}_3\text{O}_4$ -blood nanofluid flow through vertical channel with nonlinear thermal radiation, entropy generation, and Joule heating

Govindarajulu, K., Subramanyam Reddy, A., Rajkumar, D., ...Maddina, D.K., Sekhar, K.R.

***Numerical Heat Transfer; Part A: Applications*, 2024**

Article

Advanced Cardiovascular Disease Prediction: A Comparative Analysis of Ensemble Stacking and Deep Neural Networks

Devi, B.R., Sivaji, U., Swetha, T., ...Suresh, A., Reddy Madhavi, K.

***International Journal of Intelligent Systems and Applications in Engineering*, 2024**

Article

OLGV3 NET: OPTIMIZED LIGHTGBM WITH INCEPTIONV3 FOR ACCURATE MULTI-CLASS BREAST CANCER IMAGE CLASSIFICATION

Vetrithangam, D., Aruna Devi, B., Kumar, A.K., ...Neha, n., Nirmal, M.D.

***Journal of Theoretical and Applied Information Technology*, 2023**

Book Chapter

Multiple lung disease prediction using X-ray images based on deep convolutional neural networks

Telagam, N., Kandasamy, N., Raja, K., Gelli, T., Ajitha, D.

***Machine Learning and Deep Learning Techniques for Medical Image Recognition*, 2023**

Article

Insight into the crystal structure analysis, vibrational studies, reactivities (MESP, HOMO-LUMO, NBO), and the anticancer activities of ruthenium diazide  $[\text{Ru}(\text{POP})(\text{PPh}_3)(\text{N}_3)_2]$  complex by molecular docking approach

Christopher Jeyakumar, T., Timothy, R.A., Godfrey, O.C., ...Offiong, O.E., Hitler, L.

***Inorganic Chemistry Communications*, 2023**

Article

A Practical Nanoplasmonic SERS Substrate for Differential Diagnosis of Lung Normal and Cancer Cells through Multivariate Statistical Analysis

Abraham, B., Emmanuel, N., Ajikumar, N., ...Maiti, K.K., Yoosaf, K.

***ChemNanoMat*, 2023**

Article

A Multi-Stage Faster RCNN-Based iSPLInception for Skin Disease Classification Using Novel Optimization

Josphineleela, R., Raja Rao, P.B., Shaikh, A., Sudhakar, K.

**Journal of Digital Imaging**, 2023

Book Chapter

Classification of melanoma skin cancer based on transformer deep learning model

Telagam, N., Kandasamy, N.

**Ecological and Evolutionary Perspectives on Infections and Morbidity**, 2023

Article • Open access

An Efficient, Lightweight, Tiny 2D-CNN Ensemble Model to Detect Cardiomegaly in Heart CT Images

Doppala, B.P., Al Bataineh, A.S., Vamsi, B.

**Journal of Personalized Medicine**, 2023

Article

ECG based cardiac disorder classification using MobileNetV3 and LSTM

Kusuma, S.

**Asia-Pacific Journal of Science and Technology**, 2023

Article • Open access

Design, Synthesis, Molecular Docking Study and Biological Evaluation of Novel  $\gamma$ -Carboline Derivatives of Latrepirdine (Dimebon) as Potent Anticancer Agents

Voggu, R.R., Karmakar, A., Puli, V.S., ...Pasunooti, K.K., Gupta, S.

**Molecules**, 2023

Conference Paper

Machine learning applications for early-stage diagnosis of diabetic patients

Vardhan, P.V., Reddy, C.V.A., Krishna, R., ...Kumar, B.S., Rao, T.V.

**AIP Conference Proceedings**, 2023

Article

Automatic detection and visualization system for coronary artery calcification using optical frequency domain imaging

Oikawa, R., Doi, A., Ishida, M., Chakraborty, B.

**Artificial Life and Robotics**, 2023

Conference Paper

Prediction of chronic kidney disease from patient record using ensemble ranking SVM

Chandrababu, M., Krishna Reddy, V.V., Kolli, C.S., ...Chandol, M.K., Gangodkar, D.R.

***AIP Conference Proceedings, 2023***

Article

Experimental investigation on slaughter, fish waste and poultry excrete oil as fuel blends in diesel engine

Hemanandh, J., Devarajan, Y., Ruby, M., Meenakshisundaram, N.

***Biomass Conversion and Biorefinery, 2023***

Conference Paper

Critical Review on Heart Disease Prediction: A Machine Learning Approach

Mahapatro, S.R., Mahapatra, R.K., Shet, N.S.V., ...Divya, N., Kumar, P.P.

***Proceedings of IEEE 2023 5th International Conference on Advances in Electronics, Computers and Communications, ICAECC 2023, 2023***

Conference Paper

Security of Connected Cars that Promise Zero Accidents

Seela, S., Sandhya, S.C., Tuppad, K.N., Subba Rao, A.

***ITEC-India 2023 - 5th International Transportation Electrification Conference: eAMRIT - Accelerating e-Mobility Revolution for India's Transportation, 2023***

Conference Paper

AI-based Prognostic Analysis of NOx Emission from Industrial Diesel Engine for Feedback Control System

Deepanraj, B., Sharma, P., Shaik, F., Anantha Raman, L.

***2023 1st International Conference on Optimization Techniques for Learning, ICOTL 2023 - Proceedings, 2023***

Conference Paper

IoT-driven automatic vehicle accident rescue system implemented with Proteus

Hemalatha, K., Ganga Devi, S.V., Deepika, V.

***2023 1st International Conference on Optimization Techniques for Learning, ICOTL 2023 - Proceedings, 2023***

Conference Paper

Brain Tumor Diagnosis with MCNN-Based MRI Image Analysis

Nidhya, R., Kalpana, R., Smilarubavathy, G., Keerthana, S.M.

**2023 1st International Conference on Optimization Techniques for Learning, ICOTL 2023 - Proceedings, 2023**

Conference Paper

IoT-Based Car Safety System With Airbag Notification for Emergency Assistance

Ramalingam, L., Muthumarylakshmi, S., Venkatesh, M., Jambulingam, U., Malathi, N.

**2023 2nd International Conference on Smart Technologies for Smart Nation, SmartTechCon 2023, 2023**

Article • *Open access*

An Enhanced Analysis of Blood Cancer Prediction Using ANN Sensor-Based Model

Althaf Ali, A.A., Hemalatha, K., Priya, N.M., Aswath, S., Jaiswal, S.

**Engineering Proceedings, 2023**

Conference Paper

Enhancing Lung Segmentation Through Preprocessing of Medical Data Using Convolutional Neural Networks

Swathi, R., Liyaz, P., Swarnalatha, S., ...Basi Reddy, A., Depuru, S.

**5th IEEE International Conference on Cybernetics, Cognition and Machine Learning Applications, ICCMLA 2023, 2023**

Conference Paper

Diet Recommendation System for Human Health Using Machine Learning

Veerasekharreddy, B.V.S., Thatha, V.N., Kiran, G.U., ...Rajasekharreddy, N.V., Raju, Y.R.

**7th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions, CSITSS 2023 - Proceedings, 2023**

Article • *Open access*

Optimised feature selection-driven convolutional neural network using gray level co-occurrence matrix for detection of cervical cancer

Sudhakar, K., Saravanan, D., Hariharan, G., ...Arias-Gonzales, J.L., Aurangzeb, K.

**Open Life Sciences, 2023**

Conference Paper

MLPDR: High Performance ML Algorithms for the Prediction of Diabetes Retinopathy

Madhuri G, S., Chokkanathan, K., Mahesh, T.R., ...Vanitha, K., Vivek, V.

**2023 International Conference on Network, Multimedia and Information Technology, NMITCON 2023, 2023**

Conference Paper

Development of Healthcare Monitoring System with Pollution Control in Industrial Sectors Using the Internet of Things

Rajeswari, N.R., ArunKumar, G., Senthil Vadivu, M., ...Sethuraman, R., Rajkumar, M.

***Proceedings of the 5th International Conference on Inventive Research in Computing Applications, ICIRCA 2023, 2023***

Article • Open access

Early Prediction of Gestational Diabetes with Parameter-Tuned K-Nearest Neighbor Classifier

Assegie, T.A., Suresh, T., Purushothaman, R., Sangeetha, G., Komal Kumar, N.

***Journal of Robotics and Control (JRC), 2023***

Conference Paper

Modified Imperialist Competitive Algorithm (MICA) For Smart Heart Disease Prediction in IoT System

Thangarasan, T., Dhana Sony, J., Premkumar, M., ...Samson Isaac, J., Maniraj, P.

***2nd IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2023, 2023***

Conference Paper

Deep Learning based ROI Segmentation using Convolution Neural Network

Arunadevi, R., Subramaniam, S., Karthi, V., ...Raj, T.V.B., Kumar K, K.

***Proceedings of the 2nd International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2023, 2023***

Conference Paper

Lossy Mode Resonance based Optical Fiber Sensor using Polyvinylpyrrolidone/Chitosan composite for identification of Cadmium ions in water

Prasanth, A., Velumani, M.K., Narasimman, S., Alex, Z.C.

***APSCON 2023 - IEEE Applied Sensing Conference, Symposium Proceedings, 2023***

Conference Paper

Evaluating the Solutions to Predict the Impact of Lung Cancer with an Advanced Intelligent Computing Method

Sundar, R., Ramadass, S., Meeha, D., ...Shankar, S.S., Parasa, G.

***Proceedings - 5th International Conference on Smart Systems and Inventive Technology, ICSSIT 2023, 2023***

Conference Paper

Prediction of Particulate Matter (PM<sub>2.5</sub>) Across India Using Machine Learning Methods

Sen, R., Mandal, A.K., Goswami, S., Chakraborty, B.

**Lecture Notes in Networks and Systems**, 2023

## Article

## Comprehensive study of diesel engine characteristics of valves coated by titanium nitride (TiN)

Sivakumar, E.R., Krishna, R., Pachamuthu, S., Krishnakumar, T.S., Çolak, I.

**Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering**, 2023

## Article

## Grading of HCC Biopsy Images Using Nucleus and Texture Features

Chakraborty, G., Wang, W., Chakraborty, B., Tai, S., Lo, Y.

**IEEE Journal of Biomedical and Health Informatics**, 2023

## Article • Open access

A Bilayer SnO<sub>2</sub>/MoS<sub>2</sub>-Coated Evanescent Wave Fiber Optic Sensor for Acetone Detection—An Experimental Study

Prasanth, A., Getachew, S., Shewa, T., ...Meher, S.R., Alex, Z.C.

**Biosensors**, 2022

## Book Chapter

## An efficient iot framework for patient monitoring and predicting heart disease based on machine learning algorithms

Shanthi, S., Nidhya, R., Perumal, U., Kumar, M.

**Tele-Healthcare: Applications of Artificial Intelligence and Soft Computing Techniques**, 2022

## Conference Paper

## Detection and Classification of Skin Cancer by Using a Parallel Deconvolutional Network Model

Sangeetha, M., Karthikeyini, C., Vasundhara, S., Saravanan, D., ArunKumar, G.

**International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings**, 2022

## Conference Paper

## Machine Learning Based Breast Cancer Detection Using Logistic Regression

Sivakumar, M., Prathyusha, M., Sasikala, C., Anandaraj, A., Indirani, M.

**2nd IEEE International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering, ICATIECE 2022, 2022**

Conference Paper

IoT based Mobile App for Skin Cancer Detection using Transfer Learning

Sathish, K., Mohanraj, A., Ramakrishnan, R., ...Kumar, A.V., Vijayabhaskar, V.

**6th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2022 - Proceedings, 2022**

Conference Paper

A Deep Learning-based Methodology for Predicting Monkey Pox from Skin Sores

Ahamed, B.S., Usha, R., Sreenivasulu, G.

**MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference, 2022**

Article • *Open access*

Prediction of Micro Vascular and Macro Vascular Complications in Type-2 Diabetic Patients using Machine Learning Techniques

Vamsi, B., Al Bataineh, A.S., Doppala, B.P.

**International Journal of Advanced Computer Science and Applications, 2022**

Conference Paper

A Mathematical Analysis on Covid-19 Transmission Using Seir Model

Saha, S., Das, A.N., Talukdar, P.

**Springer Proceedings in Complexity, 2022**

Conference Paper

A Hybrid Model for Skin Disease Classification using Transfer Learning

Kusuma, S., Vasundharadevi, G., Abhinay Kanth, D.M.

**Proceedings of the 2022 3rd International Conference on Intelligent Computing, Instrumentation and Control Technologies: Computational Intelligence for Smart Systems, ICICICT 2022, 2022**

Article • *Open access*

Hybrid TABU search with SDS based feature selection for lung cancer prediction

Shanthi, S., Akshaya, V.S., Smitha, J.A., Bommy, M.

**International Journal of Intelligent Networks, 2022**

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Lung Cancer Classification and Prediction Using Machine Learning and Image Processing

Nageswaran, S., ArunKumar, G., Bisht, A.K., ...Jawarneh, M.M.M., Asenso, E.

***BioMed Research International***, 2022

Article • *Open access*

Deep Neural Network-Based Novel Mathematical Model for 3D Brain Tumor Segmentation

Ladkat, A.S., Bangare, S.L., Jagota, V., ...Rane, K.P., Singh, B.K.

***Computational Intelligence and Neuroscience***, 2022

Conference Paper

Impact of Covid-19 on Education

Sunitha, P., Ahmad, N., Barbhuiya, R.K., Gunjan, V.K., Ansari, M.D.

***Lecture Notes in Electrical Engineering***, 2022

Article • *Open access*

A modified social spider algorithm for an efficient data dissemination in VANET

Shankar, A., Dayalan, R., Chakraborty, C., Chandramohan, D., Kumar, M.

***Environment, Development and Sustainability***, 2022

Article

Performance study on nanoparticle/biodiesel blends in Ci engine

Rathinam, S., Bhargava, A.

***International Journal of Ambient Energy***, 2022

Article • *Open access*

Identification and prioritization of strategies to tackle COVID-19 outbreak: A group-BWM based MCDM approach

Ahmad, N., Gulzarul Hasan, M.G., Barbhuiya, R.K.

***Applied Soft Computing***, 2021

Article

Evaluation of computationally intelligent techniques for breast cancer diagnosis

Kumar, V.

***Neural Computing and Applications***, 2021

Article



Impact of COVID-19 on GDP of major economies: Application of the artificial neural network forecaster

Jena, P.R., Majhi, R., Kalli, R., Managi, S., Majhi, B.

***Economic Analysis and Policy***, 2021

Article

Influence of antioxidant additives on performance and emission characteristics of beef tallow biodiesel-fuelled C.I engine

Nagappan, B., Devarajan, Y., Kariappan, E., Philip, S.B., Gautam, S.

***Environmental Science and Pollution Research***, 2021

Book Chapter

IoT applications in translational bioinformatics

Barbhuiya, R.K., Ahmad, N.

***Translational Bioinformatics in Healthcare and Medicine***, 2021

Article

Feature subset selection for cancer detection using various rank-based algorithms

Balasubramanian, S., Sreekanth, P., Keerthi, E.S.H., ...Swetha, D., Arulmurugaselvi, N.

***International Journal of Medical Engineering and Informatics***, 2021

Article

Cluster and outlier analysis for ground water quality data in the regions of kadapa district in andhra pradesh

Ganga Devi, S.V.

***Recent Patents on Engineering***, 2021

Article

Investigation on emission pattern of biodiesel and Nano-particles

Devaraj, A., Devarajan, Y., Vinoth Kanna, I.

***International Journal of Ambient Energy***, 2021

Article

Effect of di-ethyl-ether on biodiesel fuelled diesel engine

Devaraj, A., Devarajan, Y., Vinoth Kanna, I.

***International Journal of Ambient Energy***, 2021

Conference Paper

Brain Tumor Classification Using Efficient Deep Features of MRI Scans and Support Vector Machine

Khan, A.N., Nazarian, H., Amiri Golilarz, N.A., ...Li, J., Khan, G.A.

**2020 17th International Computer Conference on Wavelet Active Media Technology and Information Processing, ICCWAMTIP 2020, 2020**

Article

Ignition analysis on neat alcohols and biodiesel blends propelled research compression ignition engine

Devarajan, Y., Choubey, G., Mehar, K.

**Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020**

Article

Clustering with classification based identification on diabetics disease to avoid blindness in early stage

Muthukumaran, S., Rajakumar, R., Dinesh, K.

**International Journal of Scientific and Technology Research, 2020**

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