

Type of Journal	Journal Name	Participating Researchers	Research Title	College	Instructor's Name	#
Scopus	Journal of Machine and Computing	Vijaya Bhaskar Sadu; Sudhakar Sengan; Rajeshkumar G; Anjaneyulu Naik R; Sreekanth K	Genetic Algorithms for Optimized Selection of Biodegradable Polymers in Sustainable Manufacturing Processes	college of Science	Assoc. Prof. Dr. Shaimaa Hussein Nawfal	1
Scopus	Journal of Interdisciplinary Mathematics	Sudhakar Sengan; Ganga Rama Koteswara Rao; ; V. Velmurugan; Bommisetti Ravi Kumar; Pankaj Dadheech	Advancing viscoelastic material modeling : Tackling time-dependent behavior with fractional calculus	college of Science	Assoc. Prof. Dr. Shaimaa Hussein Nawfal	2
Scopus	Inorganic Chemistry Communications	Mohammed Ali Dheyab; Azlan Abdul Aziz; Sarah Shakir Al-Mafarjy ; Wesam Abdullah; Nursakinah Suardi; Mahmood S. Jameel; Farhank Saber Braim ; Mohammad Alrosan; Pegah Moradi Khaniabadi;	Turning food waste-derived ultrasmall gold nanoparticles as a photothermal agent for breast cancer cell eradication	college of Science	Assoc. Prof. Dr. Shaimaa Hussein Nawfal	3
Scopus	Journal of Machine and Computing	Firas Tayseer Ayasrah, Vijaya Bhaskar, Sadu Jasmine Sowmya, V Subbalakshmi, A V V S Kamal Poon	Edge Computing with Deep Learning and Internet of Things for Recognising and Predicting Students' Emotions and Mental Health	college of Science	Assoc. Prof. Dr. Shaimaa Hussein Nawfal	4
Scopus	Journal of Machine and Computing	Eswaramoorthy V Vishnu Priya Arivanantham Bhaskar Marapelli Swaroopa K Ezhil Dyana M V	Diabetic Retinopathy Image Lesion Segmentation with Feature Fusion Relation Transformer Network	college of Science	Assoc. Prof. Dr. Shaimaa Hussein Nawfal	5

Scopus	Journal of Machine and Computing	Girish Kumar Painoli, Dipenkumar Contractor, Sowjanya G N, Vani Lavanya A, Kamal Poon	Analyzing the Impact of Scientific and Technological Innovations on Financial Performance: A PCA-Based Study of an AI Healthcare Startup	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	6
Scopus	Journal of Machine and Computing	Santhi Sri T, Vijaya Bhaskar Sadu, Pachipala Yellamma, Surya U, Kamal Poon	Cramer Distance: A Deep Learning Approach for Better Epileptic Seizure Prediction	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	7
Scopus	International Journal of System Assurance Engineering and Management	Sengan, Sudhakar; Sadu, Vijaya Bhaskar; Kaur, Parvinder; Kaushik, Manju; Alroobaea, Roobaea; Baqasah, Abdullah M.; Alsafyani, Majed; Dadheech, Pankaj	An open-source MP + CNN + BiLSTM model-based hybrid model for recognizing sign language on smartphones	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	8
Scopus	Journal of Intelligent and Fuzzy Systems	Madhubala P.; Sengan, Sudhakar; Abhishek, Kumar	Bridging the gap in biomedical information retrieval: Harnessing machine learning for enhanced search results and query semantics	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	9
Scopus	Journal of Discrete Mathematical Sciences and Cryptography	Ghanimi, Hayder M. A.; Gopalakrishnan T.; Joel Sunny Deol G.; Amarendra K.; Dadheech, Pankaj; Sengan, Sudhakar	Chebyshev polynomial approximation in CNN for zero-knowledge encrypted data analysis	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	10
Scopus	Journal of Discrete Mathematical Sciences and Cryptography	Melgarejo-Bolivar, Romel P.; Tumi-Figueroa, Alfredo; Ray, Samrat; Dadheech, Pankaj; Sengan, Sudhakar	Merkle-Damgård hash functions and blockchains: Securing electronic health records	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	11

Scopus	Journal of Discrete Mathematical Sciences and Cryptography	Vidya Sagar P.; Prabhu, L. Arokia Jesu; Raja L.; Dadheech, Pankaj; Sengan, Sudhakar	Secure multi-party computation in deep learning: Enhancing privacy in distributed neural networks	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	12
Scopus	Journal of Discrete Mathematical Sciences and Cryptography	Rao, Ganga Rama Koteswara; Ramachandran V.; Al-Qahtani, Dokhyl; Dadheech, Pankaj; Sengan, Sudhakar;	Enhanced security in federated learning by integrating homomorphic encryption for privacy-protected, collaborative model training	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	13
Scopus	Scalable Computing	Suguna R.; Jeyaraj, Josephine Pon Gloria; Sreekanth K.; Rangasamy, Rajasekar; Sengan, Sudhakar	SMART FERTILIZING USING IOT MULTI-SENSOR AND VARIABLE RATE SPRAYER INTEGRATED UAV	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	14
Scopus	Journal of Machine and Computing	Figuroa, Alfredo Tumi; Raja, Senthil M.; Shamia D.; Ray, Samrat; Surco, Jorge Ramos;	Using Optimized Long Short-Term Memory for Time Series Forecasting of Electric Vehicles Battery Charging	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	15
Scopus	Journal of Machine and Computing	Vargas, Juan Carlos Juarez; Sivaprakash S.; Amarendra M.; Rajendiran M.; Cotrado Lupo, Sheylla L.	Intrusion Detection in Internet of Things Systems: A Feature Extraction with Naive Bayes Classifier Approach	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	16
Scopus	Big Data Research	Rahmani, Mohammad Khalid Imam; Jilani, Syeda Fizzah; Aslam, Muhammad; Alharbi, Meshal; Alroobaea, Roobaea; Sengan, Sudhakar	Early Pathogen Prediction in Crops Using Nano Biosensors and Neural Network-Based Feature Extraction and Classification	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	17

International	Journal of Autonomous Intelligence	Sudhakar Sengan; Kalaivani Subbaian; Vijayalakshmi Baba; S. Venkatesh; S. Lavanya	A non-invasive smart healthcare monitoring system based on the Internet of things	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	18
International	Journal of Autonomous Intelligence	Sudhakar Sengan; Alagusundari Narayanan; Jainabbi Banda; J. Somasekar; J. Thomas; Pankaj Dadheech	Linear discriminant analysis-based deep learning algorithms for numerical character handwriting recognition	college of Science	Assoc. Prof. Dr. Haidar Mohammed Ali Al-Ghanemi	19
Scopus	Journal of Interdisciplinary Mathematics	Swapna Siddamsetti, K. Dinesh, G. C. Prashant, M. Anto Bennet, Pankaj Dadheech, Sudhakar Sengan	Modular metric spaces : Some fixed-point theorems and application of secure dynamic routing for WSN	college of Science	Asst. Prof. Hussein Zaki Jassim	20
International	Journal of Autonomous Intelligence	Sudhakar Sengan, M. Vedaraj, Sriram V.P., M. Davidson Kamala Dhas, V. Arunraj, Pankaj Dadheech	Machine learning based weight optimized genetic algorithm for digital video watermarking technique	college of Science	Asst. Prof. Hussein Zaki Jassim	21
Scopus	Journal of Machine and Computing	Nabeel S. Alsharafa; Selvanayaki Kolandapalayam Shanmugam ; Bojja Vani; Balaji P; Gokulraj S; Srinivas P.V.V.S	Hybrid Grey Wolf Optimizer for Efficient Maximum Power Point Tracking to Improve Photovoltaic Efficiency	college of Science	Asst. Prof. Nabil Sadiq Abdul Abbas	22
Scopus	Journal of Machine and Computing	Suguna R; Raguru Jaya Krishna Vijaya Krishna; Sonthi; Padmaja S M; Mariaraja P	Optimizing Building Energy Management with Deep Reinforcement Learning for Smart and Sustainable Infrastructure	college of Science	Asst. Prof. Nabil Sadiq Abdul Abbas	23

Scopus	Journal of Machine and Computing	Firas Tayseer Ayasrah; Sivaprakash S; Srinivasarao B; Sudhakar Sengan; Kumaran N	Strategizing Low-Carbon Urban Planning through Environmental Impact Assessment by Artificial Intelligence-Driven Carbon Foot Print Forecasting	college of Science	Asst. Prof. Nabil Sadiq Abdul Abbas	24
International	Journal of Autonomous Intelligence	Sudhakar Sengan; P. Madhubala; Sree Lakshmi Moorthygari; Rajapraveen.K .N; B.R. Kumar; Pankaj Dadheech	Deep learning techniques for predicting the customer lifetime value to improve customer relationship management	college of Science	Asst. Prof. Nabil Sadiq Abdul Abbas	25
Scopus	Journal of Machine and Computing	Narender M; Ragunthar T; Anusha Papasani; Firas Tayseer Ayasrah; Anjaneyulu Naik R	Machine Learning for Genomic Expression Classification-Based Phenotype Prediction in Topological Data Analysis	college of Science	Asst. Prof. Karrar Sadiq Mohsen	26
Scopus	Journal of Machine and Computing	Jhansilakshmi Mettu; Chinnam Madhuri; Gude Usharani; Silpa N; Pachipala Yellamma	Enhancing Urban Traffic Management Through Hybrid Convolutional and Graph Neural Network Integration	college of Science	Asst. Prof. Karrar Sadiq Mohsen	27
International	Journal of Autonomous Intelligence	Sudhakar Sengan; P. G. Suraj; Sriram V.P.; Minu Susan Jacob; M. Anto Bennet; Pankaj Dadheech;	An implementation of CNN+NLP for evaluating and impacting social media advertising	college of Science	Asst. Prof. Karrar Sadiq Mohsen	28
Scopus	Journal of Machine and Computing	Hemalatha P.; Poongothai K.; Lmahadeen, Sundoss A.; Prasath R.; Amarendra K.	Improving Autonomous Underwater Vehicle Navigation: Hybrid Swarm Intelligence for Dynamic Marine Environment Path Finding	college of Science	Hussam Mohammed Kazem Al-Oweidi	29

Scopus	Journal of Machine and Computing	Prashant G.C.; Gopalakrishnan T.; Sundar Rajan M.; Padmaja S.M.; Anjali Devi S.	Convolutional Deep Belief Network Based Expert System for Automated Fault Diagnosis in Hydro Electrical Power Systems	college of Science	Hussam Mohammed Kazem Al-Oweidi	30
Scopus	AIP (American Institute of Physics)	Dhurgham Adel Obaid Altai and Naseer Marza Hamza	Evaluation of the Protective Role of Aqueous Extract of Daucus Carota L. Roots and Magnetized Water in Changes of some Physiological Parameters Stimulated by Acetaminophen in Male Rats.	college of Science	Asst. Prof. Dhirgham Adel Obeid	31