



Article No.	Name / Authors	Page No.
Vol. 42 – 1	SQL Injection Attack Detection Based on Similarity Matching Between Vectors Extracted From Design Time and Run-Time Queries Jayanto Kumar Chowdhury, Dilip Kumar Yadav, Chandra Mouli P.V.S.S.R	01-17
Vol. 42 – 2	A Bibliometric Analysis of Bougainvillea Plant: Research Trends, Geographic Distribution and Future Direction Anil Kumar, Anupam Kumar, Mamta Sharma, Homraj Anand Rao Sahare, Himanshu Jangid	18-32
Vol. 42 – 3	Development and Validation of RP-HPLC Method for Estimation of Ticagrelor in Pharmaceutical Dosage Form and Force degradation study Suhas S. Siddheshwar, Ajay R. Borhade, Someshwar D. Mankar, Santosh B. Dighe, Arshu P. Patel	33-39
Vol. 42 – 4	Forecasting Wind Speed Using Clustering of Trend-Based Time Series Data Aditya Dubey, Shirish Mohan Dubey, Jyoti Kumari, Pradeep Yadav, Gaurav Sharma	40-49
Vol. 42 – 5	Correlation of Prognostic Factors of Invasive Lobular Carcinoma and Invasive Ductal Carcinoma Apurva Vashist, Anil Kumar Sagar, Anjali Goyal	50-59
Vol. 42 – 6	Effectiveness of Capacity Building Programme on Competency of Electrocardiogram (ECG) Interpretation Among Critical Care Nurses Balasivanandan S, Manjula Annamalai, Porkodi Arjunan, Kavitha C, Kavitha Ramanathan	60-67
Vol. 42 – 7	Cross-Domain Adaptation Techniques for Robust Plant Disease Detection: A DANN-CORAL Hybrid Approach Pulicherla Siva Prasad, Senthilrajan Agniraj	68-84
Vol. 42 – 8	A Hybrid Framework for Plant Leaf Region Segmentation: Comparative Analysis of Swarm Intelligence with Convolutional Neural Networks Supriya Shrivastav, Vikas Jindal, Rajesh Eswarawaka	85-99
Vol. 42 – 9	Enhancing Liver Disease Detection and Management with Advanced Machine Learning Models Koduganti Venkata Rao, Juthuka Aruna Devi, Yarlagadda Anuradha, Kumari G, Mirtipati Satish Kumar, M. Somasundara Rao	100-110
Vol. 42 – 10	Stability of Envelope Proteins of SARS-CoV-2 Variants Could Be a Choice of New Drug Target Ambreen Shafaat Khan, Bennet Angel, Annette Angel, Vinod Joshi, Shareef BM, Poorna Khaneja, Bhawna Sharma, Nuzhat Maqbool Peer, Neha Singh, Shilpa Barthwal, Satendra Pal Singh, Ramesh Joshi, Rajesh Thakur, Monika Dheer, Khusbhu Kumari, Aarya Chitransh, Reshu Chauhan, Lalmaisawmi Sailo	111-119
Vol. 42 – 11	A Novel Computer-Aided Approach for Predicting COVID-19 Severity Using Hyperparameters in ResNet50v2 from X-ray Images Rahul Deva, Arvind Dagur	120-132
Vol. 42 – 12	Exploring Female Agripreneurship: Insights from Grey Literature Using TCCM Framework Sheeba D, Prabu Christopher Bagavan Raj	133-147
Vol. 42 – 13	Agrometeorological indices, physiological growth parameters and performance of finger millet as influenced by different cultivars under hot and sub humid region of Odisha Guntamukla Mukesh, Masina Sairam, Sagar Maitra, Dinkar J Gaikwad, Lalichetti Sagar, Sumit Ray	148-161
Vol. 42 – 14	Efficacy of Dry Needling in Enhancing Hand Function and Reducing Spasticity in MCA Stroke Patients: A Prospective Case Report Saloni Ram Bachan, Ramana K, Vignesh Srinivasan, Prathap Suganthirababu	162-168
Vol. 42 – 15	Reducing Cluster Overlap in Movie Recommendations with IKSOM and Silhouette Clustering Saurabh Sharma; Ghanshyam Dubey, Harish Shakya	169-182
Vol. 42 – 16	Assessment of Cement Mortar Strength Mixed with Waste Copper Mine Tailings (CT) by Applying Gradient Boosting Regressor and Grid Search Optimization Machine Learning Approach Balwan ., Divya Prakash, Pankaj Dhemia	183-198
Vol. 42 – 17	A Critical Review on the Advancements in Exploration and Production of Shale Gas Prasenjit Talukdar, Ajay K. Sahu, Kishan Kumar Dey, Sazia Akhter, Nabanita Hazarika, Ankita Talukdar, Nabya P. Bora	199-209

Vol. 42 – 18	A Study to Assess the Level of Softskill Practices Among Nursing Students in Selected Colleges Poongodi Ramalingam, Sumathi M, Sundareshwari R, Porkodi Arjunan, Kavitha Ramanathan, Shenbaga Sundaram Subramanian, Fadwa Alhalaiaqa	210-216
Vol. 42 – 19	Educators' Perceptions of the Use of Virtual Reality in the Classroom: Psychometric Validation of Scale in Indian Context Sourav Choudhury, Vijay Kumar Chechi, Dalwinder Kaur, Indrajeet Dutta, Joy Prakash Deb, Shishir Mohanty	217-227
Vol. 42 – 20	Emoji Support Predictive Mental Health Assessment Using Machine Learning: Unveiling Personalized Intervention Avenues Ashish Dixit, Avadhesh Kumar Gupta, Neelam Chaplot, Veena Bharti	228-240
Vol. 42 – 21	Development and Validation of an ICH-Compliant Optimized RP-HPLC Method for Quantitative Analysis of Favipiravir Girija Balasaheb Bhavar, Kiran Balasaheb Aher, Rushikesh Manoj Saindane, Zaid Shaikh, Ketan Vijay Sabale, Jugal D. Mandan	241-248
Vol. 42 – 22	Antibacterial Activity, Toxicity and Drug-Likeness Profiles of Woodfordia fruticosa-Derived Metabolites Using Computational-Aided Drug Design Platform Dileswar Sahu, Ram Babu, Srinivas Acharya, Shasank S. Swain, Gyanranjan Mahalik	249-261
Vol. 42 – 23	Potential and Simulation of Functional Compounds Recovery from Clitoria ternatea L. Extract during The Commercial Sterility Process David Yudianto, Verent Putri Ramandini, Ellyas Alga Nainggolan, Bella Mellisani, Robert Wiliater Sibarani, Andita Sayekti, Arya Ulilalbab	262-277
Vol. 42 – 24	Digital Watermarking Using Hybrid Grasshopper Optimization Algorithm and Genetic Algorithm (HGOAGA) Viswanathasarma Cheemalapati, Danish Ali Khan, Chandramouli PVSSR	278-291
Vol. 42 – 25	Efficacy of Proprioceptive Neuromuscular Facilitation on Jaw Function in Bruxism Among Post Stroke Survivor: A Case Study Yamini Umasankar, Vignesh Srinivasan, Prathap Suganthirababu, Poovarasan Murugaiyan	292-297
Vol. 42 – 26	Kruskal Wallis and mRMR Feature Selection based Online Signature Verification System using Multiple SVM and KNN Bhimraj Prasai Chetry, Biswajit Kar	298-311
Vol. 42 – 27	Demographic and Lifestyle Factors Influencing Cardiovascular Health Among Construction Workers: A Cross-Sectional Analysis Leela Bhavani Ranganathan, Archana Rajasundaram, Sasi Kumar Santhosh Kumar	312-319
Vol. 42 – 28	Machine Learning Techniques for Medicinal Leaf Prediction and Disease Identification Bodduru Keerthana, J Vamsinath, Ch Sita Kumari, Setti Vidya Sagar Appaji, P Pratima Rani, Satyanarayana Chilukuri	320-327
Vol. 42 – 29	Methodological Approaches to Optical Disc and Optical Cup Segmentation: A Critical Assessment Deepti Sahu, Mandeep Kaur	328-342
Vol. 42 – 30	A Research on Fresh and Hardened Concrete Residences with Partial Replacement of Recycled Coarse Aggregates Obtained from Demolition and Construction Waste Suyash Tamboli, Ashhad Imam, Umank Mishra, Kaushal Kumar, Shrikant Mishra, Maya Rajnarayan Ray, Pankaj Kumar, Nishant Yadav	343-350
Vol. 42 – 31	Quantitative Phytochemical Investigation, Antibacterial Potency, and Drug-ability Assessment of Three Indian Medicinal Plants Leaf Extracts Using Bioinformatics Tools Susmita Chakrabarty, Shasank S. Swain, Monali Priyadarsini Mishra	351-364