****

[**Vol. 38 (2024)**](https://qtanalytics.in/journals/index.php/IJERR/issue/view/147)

|  |  |  |
| --- | --- | --- |
| **Article No.** | **Name / Authors** | **Page No.** |
| Vol. 38 -1 | **Isolation, Identification and in-Silico Characterization of Bioactive Peptide from the Venom Sac of Conus inscriptus** | 01-14 |
| Vidyalatha Jakkana and Shanti Prabha Yamala |
| Vol. 38 -2 | **Early Blight and Late Blight Disease Detection in Potato Using Efficientnetb0** | 15-25 |
| Santosh Kumar Updhaya, Jaishree Jain, Rajesh Prasad |
| Vol. 38 -3 | **Antidiabetic and antihyperlipidemic effects of crude fractions from Chlorophytum borivilianum root methanolic extract on streptozotocin induced diabetic rats and phytochemical investigation by LCMS analysis** | 26-36 |
| Sunayana Vikhe, Pravin Aladi and Rahul Vikhe |
| Vol. 38 -4 | **Validated Stability Indicating UHPLC Method for the Quantification of Escitalopram and Flupentixol in Pharmaceutical Formulation** | 37-45 |
| Raj Patil and Rahul Godge |
| Vol. 38 -5 | **Performance Evaluation of YOLOv5-based Custom Object Detection Model for Campus-Specific Scenario** | 46-60 |
| Dontabhaktuni Jayakumar and Samineni Peddakrishna |
| Vol. 38 -6 | **Orthogonal array and artificial neural network approach for sustainable cutting optimization machining of 17-4 PH steel under CNC wet turning operations** | 61-68 |
| Vivek John, Saurabh Aggarwal, Deepak Gupta, Harishchander Anandaram and Kapil Joshi |
| Vol. 38 -7 | **Polycarboxylate Superplasticizers Used in Concrete: A review** | 69-88 |
| Uppala Venkata Narayana Rao, Namepalli Venkata Sairam Kumar, Chagarlamudi Kavitha, Yellinedi Madhavi and Ponduri Samatha Chowdary |
| Vol. 38 -8 | **Improvement of Flow Properties of Highly Waxy Crude Oil with the application of SiO2 and Graphene Oxide nanoparticles aided by Light Crude Oil** | 89-101 |
| Gaurav Himanta Khaklari1 and Prasenjit Talukdar |
| Vol. 38 -9 | **Experimental Analysis of Surface Roughness Optimization of EN19 Alloy Steel Milling by the Cuckoo Search Algorithm** | 102-110 |
| Shubham Jain and Anil Mulewa |
| Vol. 38-10 | **Effect of Altered Sleep, Perceived Stress on Muscle Strength between Night and Day Shift Workers: A Cross-Sectional Study in Chennai** | 111-118 |
| Vimala Rani Swaminathan, Archana Rajasundaram and Sasikumar Santhoshkumar |
| Vol. 38 -11 | **Meta Heuristic Algorithm Based Novel Dstatcom Architecture for Power Quality Improvement** | 119-131 |
| N. V. Vinay Kumar and Tenepalli Gowri Manohar |
| Vol. 38 -12 | **Breast Cancer Disease Prediction Using Random Forest Regression and Gradient Boosting Regression** | 132-146 |
| Pradeep Yadav, Chandra Prakash Bhargava, Deepak Gupta, Jyoti Kumari, Archana Acharya and Madhukar Dubey |
| Vol. 38 -13 | **Microstrip Planar Antennas for C-Band Wireless Applications** | 147-153 |
| Bhagwati Sharan, Anil Kumar Sagar and Nidhi Rajak |
| Vol. 38 -14 | **Analysis of Land Use and Land Cover Change Detection for Indore District of Malwa Plateau Region Using Supervised Machine Learning** | 154-163 |
| Priyanka Gupta, Sharda Haryani and V.B. Gupta |
| Vol. 38 -15 | **Effectiveness of Nursing Strategies on Risk for Pneumonia Among Patients Connected to Mechanical Ventilator in Intensive Care Unit** | 164-172 |
| Gopinath Duraivelu, Porkodi Arjunan, Kavitha Ramanathan, Manjula Annamalai, Poongodi Ramalingam and Shenbaga Sundaram Subramanian |

|  |  |  |
| --- | --- | --- |
| **Article No.** | **Name / Authors** | **Page No.** |
| Vol. 38 -16 | **Assessment of Surface Quality during EDM of AISI 4147 with Copper Tool** | 173-181 |
| Durgesh Verma, Bhanu Pratap Singh, Ajay Kumar and Syed Asghar Husain Rizvi |
| Vol. 38 -17 | **Deep Learning-Based Architecture for Down Syndrome Assessment During Early Pregnancy Using Fetal Ultrasound Images** | 182-193 |
| Aijaz Ahmad Reshi, Shabana Shafi, Irfan Qayoom, Maria Wani, Shahida Parveen, Ajaz Ahmad |
| Vol. 38 -18 | **An Ethno-Pharmacological Study of Wound Healing Medicinal Plants Used by Traditional Healers in Dhamtari, Chhattisgarh, India** | 194-207 |
| Ashish Rai and Amit Sharma |
| Vol. 38 -19 | **Innovative Ergonomic Support Belt Design to Mitigate Musculoskeletal Issues in School Backpack Users: An Investigation among Jaipur's Students** | 208-224 |
| Sanjay Kumawat, Narayan Lal Jain and Yashpal |
| Vol. 38 -20 | **Comparing the Effectiveness of Soft Tissue Manipulation and IASTM for Calf Muscle Tightness in Spastic Cerebral Palsy Children** | 225-235 |
| Arun Selvi J., Srilakshmi M., Hari Hara Subramanyan P.V., Mahesh Kumar P.G., Shenbaga Sundaram Subramanian, Thamer A. Altaim, Shadi Abdelbaset Alkhob and Riziq Allah Mustafa Gaowgzeh |
| Vol. 38 -21 | **Evaluating the Anti-proliferative and Apoptotic Role of Atrial Natriuretic Peptide in Colon Cancer Cell Lines** | 236-245 |
| Alakesh Das, Dikshita Deka, Antara Banerjee and Surajit Pathak |
| Vol. 38 -22 | **Sugarcane Diseases Detection using the Improved Grey Wolf Optimization Algorithm with Convolution Neural Network** | 246-254 |
| Davesh Kumar Sharma, Pushpendra Singh and Akash Punhani |