



DMI Engineering College, Aralvaimozhi

Publication Details(Journals/Conference/Books/Book chapter)

| S.No | Name | Department | Name of Journal | Title of Article | Year of Publication | Indexed in Scopus/wos/others |
|------|----------------------------|-------------|--|---|---------------------|------------------------------|
| 1 | Dr.A.Albert Raj | ECE | .Journal of Intelligent and Fuzzy System | An Anisotropically Diffusible Fuzzy Clustering Based Image Segmentation Methodology for Intracranial Cyst Detection | 2023 | Scopus |
| 2 | Dr.A.Albert Raj | ECE | Journal of Optical and Quantum | Advanced day lighting system using fiber optics | 2023 | Scopus |
| 3 | Dr.A.Albert Raj | ECE | Journal of Optical Communications | Survey on quantum noise stream cipher implemented optical communication systems | 2023 | Scopus |
| 4 | Mr. K.Sanu Kailordson | Mechanical | Indian Journal of Science and Technology | Analytical Investigation of Blast Loading Impact on High Rise Structures | 2023 | WOS |
| 5 | Mr. J. Jesumanen | Mechanical | Indian Journal of Science and Technology | Analytical Investigation of Blast Loading Impact on High Rise Structures | 2023 | WOS |
| 6 | Dr.K.Hari Ram | Mechanical | Indian Journal of Science and Technology | Analytical Investigation of Blast Loading Impact on High Rise Structures | 2023 | WOS |
| 7 | Dr.Abhisha Mano | ECE | Wireless Personal Communications | Local Average Based Kinetic Gas Molecular (LA KGMO)Optimized MR Brain Image Segmentation Using Modified Self Organizing Map (MSOM)" | 2023 | SCI |
| 8 | S. Rekha | Mathematics | Neuro Quantology | The detour edge semi toll number of a graph | 2023 | Scopus |
| 9 | S. Rekha | Mathematics | International Conference on Advances and Applications in Mathematical Science, 2022, 1-6 | Detour Semi toll distance in graphs | 2023 | UGC |
| 10 | Dr.C.Mahil Loo Christopher | Mechanical | Indian Journal of Science and Technology | Analytical Investigation of Blast Loading Impact on High Rise Structures | 2023 | WOS |

| | | | | | | |
|----|----------------------|-------------|--|--|------|--------|
| 11 | J.Merin Joshiba | ECE | Wireless Personal Communications | A Comprehensive Review on NOMA Assisted Emerging Techniques in 5G and Beyond 5G Wireless Systems | 2023 | SCI |
| 12 | J.Merin Joshiba | ECE | Automatika : Journal for Control, Measurement, Electronics, Computing and Communications.(Taylor & Francis) | An eye bolt shape slotted microstrip patch antenna design utilizing a substrate-integrated waveguide for 5G systems | 2023 | SCI |
| 13 | Dr.A.Albert Raj | ECE | A Survey Journal of YMER | Decoding of Polar codes using Deep Neural Networks | 2022 | Scopus |
| 14 | Dr.Albert Raj | ECE | Journal of Physics | Effective and Efficient Honey Harvest Alert System for Bee Farms | 2022 | Scopus |
| 13 | Dr.K.Hari Ram | Mechanical | Journal of Mechanics of Continua and Mathematical Sciences | Investigation Behavior of Polymer Gear Materials | 2022 | WOS |
| 14 | RDS. Terese Sheeba | ECE | International journal of Innovative Research | IOT hypertension attack control - IOT - Fog based system for the identification and diagnosis of hypertension attack | 2022 | |
| 15 | S. Rekha | Mathematics | Journal of Data Acquisition and Processing | The forcing detour edge semi toll number of a graph | 2022 | Scopus |
| 16 | S. Rekha | Mathematics | SXC centenary year International Conference proceedings on recent developments in pure and applied mathematics | The detour edge semi toll domination number of a graph | 2022 | |
| 17 | S. Rekha | Mathematics | International Conference on Advances and Applications in Mathematical Science, 2022, 1-6 | Detour Semi toll distance in graphs | 2022 | |
| 18 | Dr.K.Hari Ram | Mechanical | Official Journal of the Patent Office | Solar Air Heating System and Method of Thereof | 2022 | Patent |
| 19 | Mrs.T. Thanka Geetha | ECE | International conference " Material TECH 2022"-IIT Raipur | Smart Defence using DC current sources | 2022 | |
| 20 | Mrs.T. Thanka Geetha | ECE | International journal of Innovative Research | IOT hypertension attack control - IOT - Fog based system for the identification and diagnosis of hypertension attack | 2022 | |
| 21 | Mrs.A.Thava Vinu | AI&DS | IEEE | A Deep Learning Approach for Intelligent IOT based Energy Management Systems | 2022 | Scopus |

| | | | | | | |
|----|----------------------------------|------------|--|---|------|--------|
| 22 | Dr.K.Hari Ram | Mechanical | Materials Today:Proceedings | Balanced Scorecard approach in deducting supply chain Performance | 2021 | Scopus |
| 23 | Dr.K.Hari Ram | Mechanical | Materials Today:Proceedings | Investigation on Solar water heater with different types of turbulators | 2021 | Scopus |
| 24 | Dr.M.Antony Freeda Rani | EEE | Circuit World | A Novel Multi-input DC-DC Landsman Converter for Plug-in-Hybrid Electric Vehicles | 2021 | SCI |
| 25 | Dr.M.Antony Freeda Rani | EEE | Solid State Technology | Design of Adaptive torque optimization for Permanent Magnet Synchronous Machine Drives | 2021 | Scopus |
| 26 | Mrs.T. Thanka Geetha | ECE | Material today proceedings | Viscoelastic behaviour of natural fiber reinforced composite material | 2021 | Scopus |
| 27 | Mrs. D. Betteena Sheryl Fernando | CSE | International Journal for Science and Advance Research in Technology | Steganography of Messages Encrypted With QR Code | 2021 | |
| 28 | Mrs. D. Betteena Sheryl Fernando | CSE | International Journal of Advances in Engineering and Management (IJAEM) | Diabetic Retinopathy Detection Using Retinal Images | 2021 | |
| 29 | Dr.P.Jebha Starling | Chemistry | Journal of Molecular Structure | Influence of alkyl chain length of monocationic ionic liquids towards pharmacological activities | 2021 | SCI |
| 30 | J.Merin Joshiba | ECE | The Patent Office Journal | An Automatic Toll Gate System Using Wimax with Non-Orthogonal Multiple Access for 5G Systems | 2021 | Patent |
| 31 | Dr.K.Hari Ram | Mechanical | Bioscience Biotechnology Research Communication | Dynamic Mechanical Analysis of Acid Treated Surface Modified Natural Fillers Reinforced Epoxy based Polymer Composites | 2020 | WOS |
| 32 | Dr.Abhisha Mano | ECE | IET image processing | A method of multi-region tumor segmentation in brain MRI images using grid based segmentation and weighted bee swarm optimization | 2020 | SCI |
| 33 | Mrs. D. Betteena Sheryl Fernando | CSE | International Journal of Scientific Research & Engineering Trends | Smart Agriculture Monitoring System Using IoT | 2020 | |
| 34 | Mrs. D. Betteena Sheryl Fernando | CSE | International Innovative Research Journal of Engineering and Technology (Melange Publications) | A Survey on IoT Based Health Care Monitoring System for Elderly People | 2020 | |
| 35 | Dr.P.Jebha Starling | Chemistry | International journal of pharmaceutical sciences and Nano technology | A profile of the biological activity of Functionalized Benzimidazolium ionic liquids | 2020 | Scopus |

| | | | | | | |
|----|----------------------------------|------------|--|---|------|--------|
| 36 | Dr.P.Jebha Starling | Chemistry | Research &Reviews:A Journal of Pharmaceutical Sciences | One pot Multi component synthesis, characterization and biological applications of Dicationic ionic liquids | 2020 | CAS |
| 37 | J.Merin Joshiba | ECE | International Conference on Advances in Energy -Efficient Computing Control & Communication (ICAECCC-2020) | Design of Successive Cancellation Decoding of Polar Codes Using Machine Learning | 2020 | Scopus |
| 38 | J.Merin Joshiba | ECE | International Conference on Futuristic Communication and Network Technologies(Springer nature) | 5G Modulation techniques - A Systematic literature Survey | 2020 | Scopus |
| 39 | Dr.Abhisha Mano | ECE | Tierärztliche Praxis | GSO based weight Optimized Artificial Neural Network with Modified Active Contour for Brain Tumor Segmentation | 2019 | Scopus |
| 40 | Dr.Abhisha Mano | ECE | International Journal of Recent Technology and Engineering | Contrast Enhancement of Mammograms and Microcalcification Detection | 2019 | Scopus |
| 41 | Dr.Abhisha Mano | ECE | International Journal Of Engineering and Advanced Technology | Wavelet based automated DNA sizing of fragments through AFM image processing | 2019 | Scopus |
| 42 | Dr.C.Pratheeba | ECE | Journal of Medical Systems | A novel approach for detection of hard exudates using Random Forest Classifier | 2019 | SCI |
| 43 | Dr.C.Mahil Loo Christopher | Mechanical | Journal of Alloys and Compounds | Detection of crack development with Al/SiCp using tensile with online acoustic emission | 2019 | SCI |
| 44 | Dr.C.Mahil Loo Christopher | Mechanical | Eng. Res. Express | Analysis of failure mode and fracture behavior by using acoustic emission parameter and artificial neural network | 2019 | wos |
| 45 | Dr.C.Mahil Loo Christopher | Mechanical | Materials Today Proceedings | Crack Growth Detection on Al/Sicpusing Acoustic Monitoring and Artificial Neural Network | 2019 | Scopus |
| 46 | Mrs. D. Betteena Sheryl Fernando | CSE | International Journal of Computer Science and Engineering (SSRG-IJCSE) | Face Recognition For Home Security | 2019 | |
| 47 | J.Merin Joshiba | ECE | IEEE International Conference on Recent Advances in Energy- Efficient Computing & Communication | Spaceborne Lidar Using Dial | 2019 | Scopus |