

Journal Publications

2016

| S.no | Authors | Title | Journal | Volume | Issue | Beg. Page | End Page | Month |
|------|---------------------------|--|--|--------|-------|-----------|----------|----------|
| 1 | Bhaskara Rao | Analysis of the magnetic field for MR damper working in shear mode | International Journal of Structural Engineering | 7 | 1 | 48 | 62 | January |
| 2 | Sugumaran V | Misfire Detection in Spark-Ignition Engine using Statistical Learning Theory | International Journal of Performability Engineering | 12 | 1 | 79 | 88 | January |
| 3 | Shihabudheen M Maliyekkal | Rapid dehalogenation of pesticides and organics at the interface of reduced graphene oxide–silver nanocomposite | Journal of Hazardous Materials | 308 | 0 | 192 | 198 | January |
| 4 | Umasankar V | Evaluation and Prediction of Flow Accelerated Corrosion and Wall Thinning in Pipe Bends | International Journal of Thermal Energy and Applications | 1 | 1 | 7 | 14 | January |
| 5 | Umasankar V | Synthesis and characterization of nano hexagonal boron nitride powder and evaluating the influence on aluminium alloy matrix | Materials today Proceedings | 3 | 0 | 2018 | 2026 | January |
| 6 | Bhaskara Rao | Frequency analysis of annular plates having a small core and guided edges at both inner and outer boundaries | Journal of Solid Mechanics | 8 | 1 | 168 | 174 | January |
| 7 | Jegadeeshwaran R | Misfire Detection in Spark-Ignition Engine using Statistical Learning Theory | International Journal of Performability Engineering | 12 | 1 | 79 | 88 | January |
| 8 | Venugopal T | Experimental studies on Simultaneous Injection of Ethanol-gasoline and n- | Renewable Energy | 91 | 0 | 347 | 360 | February |

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|----|-----------------|---|---|-----|----|-------|-------|----------|
| | | Butanol-gasoline in the Intake Port of a Four Stroke SI engine | | | | | | |
| 9 | Ramesh Kannan M | Modelling of Formwork Pressure using Self-Compacting Concrete by Numerical Methods for Attaining Environmental Sustainability | Key Engineering Materials | 692 | 0 | 119 | 128 | February |
| 10 | Mohan K | Isotopic disequilibrium in Globigerina bulloides and carbon isotope response to productivity increase in Southern Ocean | Nature Scientific Reports | 6 | 10 | 1 | 12 | February |
| 11 | Sridhar V G | Review Paper- Materials, Design and Manufacturing Technologies for Orthopaedic Biomaterials | International Journal of Applied Engineering Research | 10 | 19 | 40059 | 40062 | February |
| 12 | Lenin Babu M C | Multiobjective optimization of laminated composite plate with elliptical cut-out using ANN based NSGA-II | Journal of Mechanics of Materials and Structures | 11 | 2 | 157 | 172 | February |
| 13 | Vijayaram T R | A Review on the Processing Methods, Properties and Applications of Metal Matrix Composites | International Journal of Engineering Research and Technology. | 9 | 1 | 45 | 51 | February |
| 14 | Muthumani K | Performance of eccentrically braced frames under the action of lateral load | International Journal Of Earth Sciences And Engineering | 9 | 1 | 157 | 161 | February |
| 15 | Sugumaran V | Estimation of Remaining Useful Life of Bearings Based on Nested Dichotomy Classifier – A Machine Learning Approach | International Journal of Engineering and Technology | 8 | 1 | 339 | 349 | March |
| 16 | Bhaskara Rao | Design and analysis of gasket cutting machine | Mediterranean Journal of Modeling and Simulation | 5 | 1 | 46 | 58 | March |
| 17 | Elavenil S | Study of Glass Fibre Reinforced Polymer in Geopolymer Concrete using M-Sand | International journal of Applied Engineering Research | 11 | 2 | 1006 | 1015 | March |

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| 18 | Helen Santhi M | Engineering properties and fracture behaviour of high volume palm oil fuel ash based fibre reinforced geopolymer concrete | Construction and Building Materials - Elsevier | 111 | 0 | 286 | 297 | March |
| 19 | Sabumon P C | Perspectives on Biological Treatment of Tannery Effluent | Advances in Recycling and Waste Managment | 1 | 1 | 1 | 10 | March |
| 20 | Sugumaran V | Fault Diagnosis of Bearings through Sound Signal Using Statistical Features and Bayes Classifier | Journal of Vibration Engineering & Technologies | 4 | 2 | 87 | 96 | April |
| 21 | Vijayaram T R | Real Time Identification Of Stamping Dies | International Journal Of Innovations In Engineering Research And Technology | 3 | 4 | 1 | 7 | April |
| 22 | Karthikeyan K | MATlab Code for Economical Seismic design of Irregular Building | International Research Journal of Engineering and Technology | 3 | 4 | 1027 | 1030 | April |
| 23 | Deivanathan R | Analysis and Simulation of Sheet Metal Cutting by using RADAN Software | Imperial Journal of Interdisciplinary Research | 2 | 5 | 915 | 920 | April |
| 24 | Annamalai K | Mechanical behavior of modified Al-Si-Cu-Mg alloy and reinforced with Sic under ambient to elevated temperature | ARNP Journal of Engineering and Applied Sciences | 11 | 7 | 4471 | 4477 | April |
| 25 | Vasugi V | Engineered Cementitious Composites for Sustainable Construction | Materials for Sustainable Built Environment | 692 | 0 | 17 | 25 | May |
| 26 | Elavenil S | Analytical Investigation of High Rise Building under Blast Loading | Indian Journal of Science and Technology | 9 | 18 | 1 | 7 | May |
| 27 | Arockia Selvakumar | Use of Internet of Things in a Humanoid Robot A Review | Advances in Robotics & Automation | 5 | 2 | 1 | 5 | May |

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| 28 | Saravanakumar D | Design and Implementation of Spherical Robot Actuated by Omni-Wheels | International Journal of Engineering Research & Technology | 4 | 26 | 90 | 92 | May |
| 29 | Helen Santhi M | Seismic Evaluation Of Residential Building With Masonry Wall using ETABS | International Journal of Engineering Sciences & Research Technology, | 5 | 5 | 806 | 813 | May |
| 30 | Helen Santhi M | Dynamic Analysis of Soft-storey Frame with Isolators | International Journal for Modern Trends in Science and Technology | 2 | 5 | 89 | 93 | May |
| 31 | Sivarajan S | Characterization of thermally evaporated MoS2 thin film coatings | Materials Today: Proceedings | 3 | 6 | 2532 | 2536 | June |
| 32 | Manavalla Sreekanth | Design, Fabrication and Testing of a Low Cost Vertical Axis Wind Mill for Low End Power Generation | International Research Journal Of Engineering And Technology | 3 | 5 | 1524 | 1528 | June |
| 33 | Davidson Jebaseelan | Finite Element Modeling of Spine Diseases and Deformities: Recent Trends in Research and Review of Literature | Trends Biomater. Artif. Organs | 30 | 1 | 56 | 60 | June |
| 34 | Annamalai K | Modeling And Simulation Of Chilled Cast Iron Tappet To Predict Effect Of Parameters And Its Mechanical Properties | ARPJ Journal of Engineering and Applied Sciences | 11 | 11 | 7155 | 7160 | June |
| 35 | Yamini Sreevalli I | Form-Finding of Tensegrity Structures based on Force Density Method | Indian Journal of Science and Technology | 9 | 24 | 1 | 6 | June |
| 36 | Pratibha Nalini R | Synthesis and characterization of silicon nanocrystals in SiC matrix using sputtering and PECVD techniques | Materials Today Proceedings | 3 | 0 | 2121 | 2131 | June |
| 37 | Pratibha Nalini R | Synthesis and characterization of TiO2 thin films for DSSC prototype | Materials Today Proceedings | 3 | 0 | 2052 | 2061 | June |

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|----|---------------------|--|---|-----|----|-----|-----|--------|
| 38 | Bhaskara Rao | Accelerated life testing nano ceramic capacitors and capacitor test boards using nonparametric method | Measurement | 88 | 0 | 58 | 65 | June |
| 39 | Sabumon P C | A Short Review Of Anaerobic Co-Digestion And Feasibility Of Anaerobic Co-Digestion Of Sewage And Food Waste For Sustainable Waste Management | International Journal of Earth Sciences & Engineering | 9 | 3 | 66 | 70 | June |
| 40 | Manimaran R | Computational analysis of energy separation tube based on inlet shape and aspect ratio | Energy | 107 | 0 | 17 | 28 | July |
| 41 | Manavalla Sreekanth | Measurement of Drying Rates in a Domestic Scale Fluidized Bed Dryer | International Journal Of Innovation And Scientific Research | 25 | 2 | 383 | 389 | July |
| 42 | Elavenil S | Strength Assessment Of Geopolymer Concrete Using M-Sand | International Journal of Chemical Sciences | 14 | 1 | 115 | 126 | July |
| 43 | Vasugi V | Repair Mortar for Structural Sustainability | Indian Journal of Science and Technology | 9 | 25 | 1 | 7 | July |
| 44 | Elavenil S | Seismic Analysis Of Steel Mrf With Shape Memory Alloy Equipped Braces | International Journal of Chemical Sciences | 14 | 1 | 211 | 218 | August |
| 45 | Pratibha Nalini R | Recent advances in hybrid solar cells based on natural dye extracts from Indian plant pigment as sensitizers | Solar Energy | 137 | 0 | 212 | 224 | August |
| 46 | Bhaskara Rao | An exact frequency analysis of annular plates with small core having elastically restrained outer edge and sliding inner edge | Applied Acoustics | 109 | 0 | 69 | 81 | August |
| 47 | Helen Santhi M | Performance of brick masonry and RCC framed structure subjected to blast loading | Disaster Advances | 9 | 8 | 1 | 5 | August |
| 48 | Pratibha Nalini R | Recent advances in hybrid solar cells based on natural dye extracts from Indian plant pigment as sensitizers | Solar Energy | 137 | 0 | 212 | 224 | August |

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| 49 | Sivarajan S | Effect of cutting Speed on Thrust force and Torque in Drilling of Glass Fiber Reinforced Polymer based on Defects Tolerance | Applied mechanics and materials | 852 | 0 | 166 | 170 | September |
| 50 | Davidson Jebaseelan | Finite Element Analysis of Particle Impact on Substrates Using HVOF Thermal Spray Coating | Applied Mechanics and Materials | 852 | 0 | 446 | 451 | September |
| 51 | Arockia Selvakumar | Optimization of Grease Dispensing Unit using Fuzzy Logic Algorithm | Applied Mechanics and Materials | 852 | 0 | 859 | 866 | September |
| 52 | Raghukiran Nadimpalli | Design and Fabrication of Remotely Controllable Semi-Automated Vehicle for Air Quality Analysis | Applied Mechanics and Materials | 852 | 0 | 819 | 825 | September |
| 53 | Jeyanthi S | Study of Sound Absorption Properties on Rigid Polyurethane Foams using FEA | Indian Journal of Science and Technology | 9 | 33 | 1 | 7 | September |
| 54 | Raghukiran Nadimpalli | Design and Fabrication of RC Quad-Copter for Video Surveillance | Applied Mechanics and Materials | 852 | 0 | 826 | 831 | September |
| 55 | Tamil Selvan P | Impact behaviour Of PMC reinforced with fibers under Sub Zero Temperature: A Review | Indian Journal of Science and Technology | 9 | 33 | 1 | 10 | September |
| 56 | Kannan S | Design and Optimization of Core Assembly Line for Turbo Charger | Applied Mechanics and Materials | 852 | 0 | 852 | 858 | September |
| 57 | Senthil Kumar K | Evaluation of Transport Properties of Concrete Made With E-Waste Plastic | Journal of Testing and Evaluation | 45 | 5 | 1 | 5 | September |
| 58 | Jeyanthi S | Quasi Static Axial Crushing of Foam Filled Thin Walled Circular Tubes | Indian Journal of Science and Technology | 33 | 9 | 1 | 5 | September |
| 59 | Sugumaran V | Fault Diagnosis of Helical Gearbox through Vibration Signals using Wavelet Features, J48 Decision Tree and Random Forest Classifiers | Indian Journal of Science and Technology | 9 | 33 | 1 | 7 | September |

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| 60 | Sugumaran V | Vibration based Brake Fault Diagnosis using Voting Feature Interval and Decision Tree with Histogram Features | Indian Journal of Science and Technology | 9 | 33 | 1 | 5 | September |
| 61 | Jegadeeshwaran R | Developing a Self-Localization System for Mobile Robot Using Ultrasonic Sensor Mesh | Applied Mechanics and Materials | 852 | 0 | 812 | 818 | September |
| 62 | Senthil Kumar M | Design and Optimization of Core Balancing Fixture in Vibration Sorting Rig (VSR) | Journal of Applied Mechanics and Materials | 852 | 0 | 568 | 574 | September |
| 63 | Sakthivel G | A comparative analysis of fuzzy based AHP derived MCDM methods to select the apt heterogeneous wireless network. | International Journal of Information and Decision Sciences | 8 | 3 | 227 | 253 | September |
| 64 | Karunamurthy K | Study of Exhaust Gas Temperature of S I Engine using Water Injection | Indian Journal of Science and Technology | 9 | 35 | 1 | 6 | September |
| 65 | Raghukiran Nadimpalli | Effect of the Addition of Al and Cu on Magnesium Processed by Powder Metallurgy Route | Indian Journal of Science and Technology | 9 | 35 | 1 | 3 | September |
| 66 | Arockia Selvakumar | Conceptual Design and Kinematic Analysis of Humanoid Robot | Indian Journal of Science and Technology | 9 | 34 | 1 | 8 | September |
| 67 | Janardhan Reddy K | Design Verification and Experimental Analysis on Industrial Cleaner for Fluffs Collection | International Journal of Performability Engineering | 12 | 5 | 459 | 470 | September |
| 68 | Arockia Selvakumar | Development of Autonomous Robot for Underwater Applications | International Journal of Control Theory and Applications | 9 | 13 | 6249 | 6260 | September |
| 69 | Sakthivel G | Prediction of CI engine performance, emission and combustion characteristics using fish oil as a biodiesel at different injection timing using fuzzy logic | Fuel | 183 | 0 | 214 | 229 | November |