

## MLR Institute of Technology

### 2020 Research Publications (1 January 2020 to 31 December 2020)

Authors	Title	Year	Source title
Subbaratnam B., Jalagam R.R., Jena S.P., Gupta M.S.	Effect of Higher Transition Foundation on Dynamic Stability Boundaries of Simply Supported Beam	2020	IOP Conference Series: Materials Science and Engineering
Kumar H., Prasad R., Kumar P.	Effect of multi-groove reinforcement strategy on Cu/SiC surface composite fabricated by friction stir processing	2020	Materials Chemistry and Physics
Kadari A., Vuyyura A., Venkata Surya Prasad S.	Design and development of portable spirometer with an embedded web server	2020	AIP Conference Proceedings
Vinod M., Rajendra K., Venkata Surya Prasad S.	Smart green farming management system using IoT	2020	AIP Conference Proceedings
Pulimamidi B., Naresh Kumar D., Prasad S.V.S.	Soldier tracking and health monitoring system	2020	AIP Conference Proceedings
Patancheru V., Shravan Kumar G., Venkata Surya Prasad S.	Design and development of object detection and separation mechanism using raspberry PI	2020	AIP Conference Proceedings
Sharanya V., Prasad S.V.S.	IoT and GPS based women safety system using ARM7 controller	2020	AIP Conference Proceedings
Prabhu Kishore N., Shaik T., Himagireesh Ch., Durga Prasad K.G., Alekhya N.	Cryogenic heat treatment process for D2 steel & M2 steel	2020	AIP Conference Proceedings
Amgoth C., Phan C., Yumnam S., Singh A., Tang G.	Surface functionalized porous nanomaterials for theranostics	2020	AIP Conference Proceedings
Emusani R., Jyothi L., Narayana Rao D.	Vegetable assisted synthesis of gold nanostructures and its nonlinear optical properties	2020	AIP Conference Proceedings
Ramanuja M., Krishna G.G., Sree H.K., Radhika V.N.	Free convection in a vertical slit micro-channel with super-hydrophobic slip and temperature jump conditions	2020	International Journal of Heat and Technology
Madhuravani B., Gudipati S.S., Sowjanya P.	Automatic prediction of silent heart attacks using neural networks based hybrid classification system	2020	International Journal of Advanced Trends in Computer Science and Engineering
Amgoth C., Santhosh R., Malavath T., Singh A., Murali B., Tang G.	Solvent-Assisted [(Glycine)-(MP-SiO <sub>2</sub> NPs)] Aggregate for Drug Loading and Cancer Therapy	2020	ChemistrySelect

Singh A., Yumnam S., Kunwar A., Tripathi V.S., Neogy S., Rath M.C.	One-Pot, Rapid and Facile Synthesis of Thioglycolic Acid capped CdSe quantum dots: Tuning of Properties, Mechanistic Investigations by Cyclic Voltammetry and Cytotoxicity Studies	2020	ChemistrySelect
Arulananth T.S., Manjula B., Baskar M.	Human Position Tracking and Detection Using Geometric Active Contours	2020	Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020
Gandavadi K., Reddicherla V.R., Bhatnagar R.	Support vector machine based intelligent driver drowsiness monitoring system	2020	International Journal of Advanced Trends in Computer Science and Engineering
Bridjesh P., Periyasamy P., Geetha N.K.	Retraction notice to "Combined effect of composite additive and combustion chamber modification to adapt waste plastic oil as fuel on a diesel engine" [J TAIWAN INST CHEM E. 97 (2019) 297-304] (Journal of the Taiwan Institute of Chemical Engineers (2019) 97(297-304), (S1876107019300860), (10.1016/j.jtice.2019.02.022))	2020	Journal of the Taiwan Institute of Chemical Engineers
Harikamalasree N., Reddy S., Narayana Reddy C.	Study on ultrasound velocities and elastic properties of sodium diboro-vanadate glasses	2020	Journal of Physics: Conference Series
Shaker P.C., Srinivasulu A.	Electronic tuning square-wave generators with improved linearity using operational transresistance amplifier	2020	Journal of Low Power Electronics and Applications
Bridjesh P., Periyasamy P., Geetha N.K.	Retraction notice to Combined Effect of Composite Additive and Combustion Chamber Modification to Adapt Waste Plastic Oil as Fuel on a Diesel Engine [Journal of the Taiwan Institute of Chemical Engineers 97 (2019) 297–304] (Journal of the Taiwan Institute of Chemical Engineers (2019) 97 (297–304), (S1876107019300860), (10.1016/j.jtice.2019.02.022))	2020	Journal of the Taiwan Institute of Chemical Engineers
Ghosh S.K., Tripathy R.K., Paternina M.R.A., Arrieta J.J., Zamora-Mendez A., Naik G.R.	Detection of Atrial Fibrillation from Single Lead ECG Signal Using Multirate Cosine Filter Bank and Deep Neural Network	2020	Journal of Medical Systems

Kumar K.K., Babu P.V., Gopi S.C., Arfa Z.	Advanced and Effective Classification of Parkinson's Disease Using Enhanced Neural Networks	2020	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020
Piratla N.R., Jakkula P., Arfa Z.	Enhanced Computerized Brain tumor Detection with the Features Extracted from SIFT	2020	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020
Saad N.A., Ramya E., Saikiran V., Naraharisetty S.R.G., Narayana Rao D.	Novel synthesis and study of nonlinear absorption and surface-enhanced Raman scattering of carbon nanotubes decorated with silver nanoparticles	2020	Chemical Physics
Ramesh D., Kumar M.S., Srimannarayana N., Devanandam D., Satyanarayana B.	Results on quotient BF-algebras via interval valued fuzzy dual ideals	2020	International Journal of Advanced Science and Technology
Chandra Sekhar Reddy N., Vemuri P.C.R., Govardhan A.	Performance analysis of indicative feature subset selection algorithm for effective intrusion detection	2020	International Journal of Advanced Science and Technology
Sowmya G., Sirisha N., Jyothi G.D.	Use of big data to measure attentiveness of the student	2020	International Journal of Advanced Trends in Computer Science and Engineering
Srivardhan Kumar C., Ramu T.B., Sreenivasa Reddy M.	Mitigating voltage sag in secondary distribution line using DVR with single DC source	2020	International Journal of Scientific and Technology Research
Alekya L., Lakshmi L., Susmitha G., Hemanth S.	A survey on fake news detection in social media using deep neural networks	2020	International Journal of Scientific and Technology Research
Thote A.M., Uddanwadiker R.V., Sharma K., Shrivastava S., Reddy V.	OPTIMUM FORCE SYSTEM for EN-MASSE RETRACTION of SIX MAXILLARY ANTERIOR TEETH in LABIAL ORTHODONTICS	2020	Journal of Mechanics in Medicine and Biology
Sridhar B., Syambabu V.	Security enhancement in video based on gatefold technique for copyright protection	2020	Multimedia Tools and Applications
Sailaja C., Bachu S.	A Comparative Study on LSB Replacement Steganography	2020	Lecture Notes in Networks and Systems

Arulananth T.S., Ellappan S., Naga Raju J.	Effective course and curriculum design of MLR institute of technology an autonomous institution – a case study	2020	Journal of Engineering Education Transformations
Sandeep A., Archana K., Ellappan S., Mallesham D.	Advancement of solar selective DLC coating using capvd for solar thermal applications	2020	Journal of Thermal Engineering
Ramu T.B., Kumar C.S., Rao A.S.	Bldc motor based cuk converter using model predictive controller for low power applications	2020	International Journal of Advanced Trends in Computer Science and Engineering
Naga Sravani M., Ghosh S.K.	Implementation of children activity tracking system based on internet of things	2020	Advances in Intelligent Systems and Computing
Vijetha T., Ravinder T.	Data Analytics in Steganography	2020	Lecture Notes on Data Engineering and Communications Technologies
Ambarapu S., Vijaya Kumar M.	Harmonic minimisation in direct torque controlled induction motor using neural network controller	2020	International Journal of Energy Technology and Policy
Radhika Devi V., Laxminadh N., Lavanya Y.	Blended learning: Exploring new models for effective teaching and learning	2020	Journal of Engineering Education Transformations
Ram Mohan Rao P., Kiran Kumar G., Radhika Devi V., Rama Chandra Reddy A.	Embracing disruption in engineering education	2020	Procedia Computer Science
Ellappan S., Rajendran S.	Addition of diethyl ether on the LHR engine characteristics using biodiesel-eucalyptus blend	2020	Energy Sources, Part A: Recovery, Utilization and Environmental Effects
Reddy P.A., Reddy P.B., Ramesh O.	A novel scheme for security of unstructured and semi-structured big data outsourced to cloud	2020	International Journal on Emerging Technologies
Jyothi E.V.N., Rao V.P.C.	Advanced strategy of personal health record for cloud computing applications	2020	International Journal of Control and Automation
Koppula N., Rani B.P., Srinivas Rao K.	Word sense disambiguation in telugu language using knowledge-based approach	2020	Advances in Intelligent Systems and Computing
Sirisha N., Kiran K.V.D.	An efficient and lightweight security scheme for big data	2020	International Journal on Emerging Technologies
Krishnaraj Thiagarajan S. J.,	A two-phase simulated annealing algorithm to minimise the completion time variance of jobs in flowshops	2020	International Journal of Process Management and Benchmarking

Bridjeshpappula, Narayanankannaiyan G.	Assessment of students learning capability adapting activity based learning – STAD	2020	International Journal of Psychosocial Rehabilitation
Kumar K.P., Purna Chandra Rao V.	A Hybrid Approach for Protecting Mobile Agents Against Malicious Hosts	2020	Lecture Notes in Networks and Systems
Sanivarapu P.V., Rajesh K.N.V.P.S., Reddy N.V.R., Reddy N.C.S.	Patient data hiding into ECG signal using watermarking in transform domain	2020	Australasian Physical and Engineering Sciences in Medicine
Narasimhamurthy K.C., Sai Kumar E., Likhitha K., Navya Chowdary N., Shilpa B., Laxmi Sowmya N., Shiva A.	Analysis of Wave Shaping Circuits in Remote Lab	2020	Lecture Notes in Networks and Systems
Arulananth T.S., Balaji L., Baskar M., Anbarasu V., Rao K.S.	PCA Based Dimensional Data Reduction and Segmentation for DICOM Images	2020	Neural Processing Letters
Balam S.K., Siddaiah P., Nallagonda S.	Optimization Analysis of Cooperative Spectrum Sensing System over Generalized $\kappa$ - $\mu$ and $\eta$ - $\mu$ Fading Channels	2020	Wireless Personal Communications
Poorvajaa M.S., Naveen Kumar N.S., Varanasi M., Bhargavi M.M., Boorugu R., Babu S.	Development of themes and sub-themes using text-extraction	2020	Proceedings of the International Conference on Industrial Engineering and Operations Management
Naveen Kumar N.S., Poorvajaa M.S., Varanasi M., Bhargavi M.M., Boorugu R., Babu S.	Evaluation for tools and techniques for text-extraction	2020	Proceedings of the International Conference on Industrial Engineering and Operations Management
Mukkamala R., Purna Chandra Rao V.	Approaches for Efficient Query Optimization Using Semantic Web Technologies	2020	Lecture Notes in Networks and Systems
Pushpalatha N., Sai Satyanarayana Reddy S., Subhash Chandra N.	Extensible Attribute Similarity Data Mining for Categorical Data Streams in Web Usage Framework	2020	Advances in Intelligent Systems and Computing

Shaik S., Nagaraju S., Rizvan S.M., Gorantla K.K.	Optimizing Vertical Air Gap Location Inside the Wall for Energy Efficient Building Enclosure Design Based on Unsteady Heat Transfer Characteristics	2020	Advances in Intelligent Systems and Computing
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