

## MLR Institute of Technology Research Publications (01/01/2020-31/12/2020)

S.NO.	Authors	Title	Journal	Volume	Issue	Page No.	Year
1	Subbaratnam B., Jalagam R.R., Jena S.P., Gupta M.S.	Effect of Higher Transition Foundation on Dynamic Stability Boundaries of Simply Supported Beam	IOP Conference Series: Materials Science and Engineering	998	1	-	2020
2	Kumar H., Prasad R., Kumar P.	Effect of multi-groove reinforcement strategy on Cu/SiC surface composite fabricated by friction stir processing	Materials Chemistry and Physics	256		-	2020
3	Kadari A., Vuyyura A., Venkata Surya Prasad S.	Design and development of portable spirometer with an embedded web server	AIP Conference Proceedings	2269		-	2020
4	Prabhu Kishore N., Shaik T., Himagireesh Ch., Durga Prasad K.G., Alekhya N.	Cryogenic heat treatment process for D2 steel & M2 steel	AIP Conference Proceedings	2269		-	2020
5	Vinod M., Rajendra K., Venkata Surya Prasad S.	Smart green farming management system using IoT	AIP Conference Proceedings	2269		-	2020

6	Pulimamidi B., Naresh Kumar D., Prasad S.V.S.	Soldier tracking and health monitoring system	AIP Conference Proceedings	2269		-	2020
7	Amgoth C., Phan C., Yumnam S., Singh A., Tang G.	Surface functionalized porous nanomaterials for theranostics	AIP Conference Proceedings	2269		-	2020
8	Patancheru V., Shravan Kumar G., Venkata Surya Prasad S.	Design and development of object detection and separation mechanism using raspberry PI	AIP Conference Proceedings	2269		-	2020
9	Emusani R., Jyothi L., Narayana Rao D.	Vegetable assisted synthesis of gold nanostructures and its nonlinear optical properties	AIP Conference Proceedings	2269		-	2020
10	Sharanya V., Prasad S.V.S.	IoT and GPS based women safety system using ARM7 controller	AIP Conference Proceedings	2269		-	2020
11	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	International Journal of Heat and Technology	38	3	738-744	2020

12	Madhuravani B., Gudipati S.S., Sowjanya P.	Automatic prediction of silent heart attacks using neural networks based hybrid classification system	International Journal of Advanced Trends in Computer Science and Engineering	9	5	7165-7169	2020
13	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	ChemistrySelect	5	27	8221-8232	2020
14	Singh A., Yumnam S., Kunwar A., Tripathi V.S., Neogy S., Rath M.C.	of Thioglycolic Acid capped CdSe quantum dots: Tuning of Properties, Mechanistic Investigations by Cyclic Voltammetry and Cytotoxicity Studies	ChemistrySelect	5	26	7743-7752	2020
15	Arulananth T.S., Manjula B., Baskar M.	Human Position Tracking and Detection Using Geometric Active Contours	Proceedings of the 2nd International Conference on Inventive Research in Computing Applications, ICIRCA 2020			509-512	2020
16	Gandavadi K., Reddicherla V.R., Bhatnagar R.	Support vector machine based intelligent driver drowsiness monitoring system	International Journal of Advanced Trends in Computer Science and Engineering	9	4	6340-6345	2020
17	Bridjesh P., Periyasamy P., Geetha N.K.	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	Journal of the Taiwan Institute of Chemical Engineers	112		397-	2020

18	Harikamalasree N., Reddy S., Narayana Reddy C.	Study on ultrasound velocities and elastic properties of sodium diboro-vanadate glasses	Journal of Physics: Conference Series	1495	1	-	2020
19	Bridjesh P., Periyasamy P., Geetha N.K.	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	Journal of the Taiwan Institute of Chemical Engineers	111		346-	2020
20	Shaker P.C., Srinivasulu A.	Electronic tuning square-wave generators with improved linearity using operational transresistance amplifier	Journal of Low Power Electronics and Applications	10	2	-	2020
21	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	Journal of Medical Systems	44	6	-	2020
22	Maji A., Choubey G.	Improvement of heat transfer through fins: A brief review of recent developments	Heat Transfer	49	3	1658-1685	2020
23	Kumar K.K., Babu P.V., Gopi S.C., Arfa Z.	Advanced and Effective Classification of Parkinson's Disease Using Enhanced Neural Networks	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020			801-807	2020

24	Piratla N.R., Jakkula P., Arfa Z.	Enhanced Computerized Brain tumor Detection with the Features Extracted from SIFT	Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020			889-894	2020
25	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	Chemical Physics	533		-	2020
26	Ramesh D., Kumar M.S., Srimannarayana N., Devanandam D., Satyanarayana B.	Results on quotient BF-algebras via interval valued fuzzy dual ideals	International Journal of Advanced Science and Technology	29	8 Special Issue	1193-1197	2020
27	Chandra Sekhar Reddy N., Vemuri P.C.R., Govardhan A.	Performance analysis of indicative feature subset selection algorithm for effective intrusion detection	International Journal of Advanced Science and Technology	29	6 Special Issue	7-20	2020
28	Sowmya G., Sirisha N., Jyothi G.D.	Use of big data to measure attentiveness of the student	International Journal of Advanced Trends in Computer Science and Engineering	9	2	2350-2352	2020
29	Srivardhan Kumar C., Ramu T.B., Sreenivasa Reddy M.	Mitigating voltage sag in secondary distribution line using DVR with single DC source	International Journal of Scientific and Technology Research	9	3	7030-7033	2020

30	Alekya L., Lakshmi L., Susmitha G., Hemanth S.	A survey on fake news detection in social media using deep neural networks	International Journal of Scientific and Technology Research	9	3	5063-5066	2020
31	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	Journal of Mechanics in Medicine and Biology	20	2	-	2020
32	Geetha N.K., Bridjesh P.	Combinatorial rough neutrosophic multi attribute decision making approach for selection of waste plastic oil - Diesel blends	Materials Today: Proceedings	37	Part 2	979-981	2020
33	Sreepavani V., Kalyan J., Lakshmi Prasanna V.	Transforming engineering education in india in terms of quality standards	Journal of Engineering Education Transformations	33	Special Issue	613-617	2020
34	Surya Narayana K., Narasimha Rao M.V.	Innovation and designing as per industry need a survey on evaluation criteria of curriculum	Journal of Engineering Education Transformations	33	Special Issue	626-634	2020
35	Arulananth T.S., Balaji L., Baskar M., Anbarasu V., Rao K.S.	PCA Based Dimensional Data Reduction and Segmentation for DICOM Images	Neural Processing Letters			-	2020

36	Ambarapu S., Vijaya Kumar M.	Harmonic minimisation in direct torque controlled induction motor using neural network controller	International Journal of Energy Technology and Policy	16	05-Jun	612-630	2020
37	Sailaja C., Bachu S.	A Comparative Study on LSB Replacement Steganography	Lecture Notes in Networks and Systems	107		601-612	2020
38	Radhika Devi V., Laxminadh N., Lavanya Y.	Blended learning: Exploring new models for effective teaching and learning	Journal of Engineering Education Transformations	33	Special Issue	618-625	2020
39	Ram Mohan Rao P., Kiran Kumar G., Radhika Devi V., Rama Chandra Reddy A.	Embracing disruption in engineering education	Procedia Computer Science	172		973-978	2020
40	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	Proceedings of the International Conference on Industrial Engineering and Operations Management	0	March	881-888	2020
41	Naveen Kumar N.S., Poorvajaa M.S., Varanasi M., Bhargavi M.M., Boorugu R., Babu S.	Evaluation for tools and techniques for text-extraction	Proceedings of the International Conference on Industrial Engineering and Operations Management	0	March	889-894	2020

42	Arulananth T.S., Ellappan S., Naga Raju J.	Effective course and curriculum design of MLR institute of technology an autonomous institution – a case study	Journal of Engineering Education Transformations	33	Special Issue	635-638	2020
43	Sandeep A., Archana K., Ellappan S., Mallesham D.	Advancement of solar selective DLC coating using capvd for solar thermal applications	Journal of Thermal Engineering	6	4	422-437	2020
44	Ramu T.B., Kumar C.S., Rao A.S.	Bldc motor based cuk converter using model predictive controller for low power applications	International Journal of Advanced Trends in Computer Science and Engineering	9	2	1646-1649	2020
45	Ellappan S., Rajendran S.	Addition of diethyl ether on the LHR engine characteristics using biodiesel- eucalyptus blend	Energy Sources, Part A: Recovery, Utilization and Environmental Effects			-	2020
46	Reddy P.A., Reddy P.B., Ramesh O.	A novel scheme for security of unstructured and semi-structured big data outsourced to cloud	International Journal on Emerging Technologies	11	2	584-589	2020
47	Jyothi E.V.N., Rao V.P.C.	Advanced strategy of personal health record for cloud computing applications	International Journal of Control and Automation	13	3	93-98	2020



48	Koppula N., Rani B.P., Srinivas Rao K.	Word sense disambiguation in telugu language using knowledge-based approach	Advances in Intelligent Systems and Computing	1090		153-161	2020
49	Naga Sravani M., Ghosh S.K.	Implementation of children activity tracking system based on internet of things	Advances in Intelligent Systems and Computing	1090		713-721	2020
50	Vijetha T., Ravinder T.	Data Analytics in Steganography	Lecture Notes on Data Engineering and Communications Technologies	31		1032-1034	2020
51	Sirisha N., Kiran K.V.D.	An efficient and lightweight security scheme for big data	International Journal on Emerging Technologies	11	1	414-420	2020
52	Krishnaraj J., Thiagarajan S.	A two-phase simulated annealing algorithm to minimise the completion time variance of jobs in flowshops	International Journal of Process Management and Benchmarking	10	2	261-281	2020
53	Bridjeshpappula, Narayanankannaiyan G.	Assessment of students learning capability adapting activity based learning – STAD	International Journal of Psychosocial Rehabilitation	24	4	2982-2988	2020

54	Mukkamala R., Purna Chandra Rao V.	Approaches for Efficient Query Optimization Using Semantic Web Technologies	Lecture Notes in Networks and Systems	103		423-436	2020
55	Kumar K.P., Purna Chandra Rao V.	A Hybrid Approach for Protecting Mobile Agents Against Malicious Hosts	Lecture Notes in Networks and Systems	103		473-483	2020
56	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	Australasian Physical and Engineering Sciences in Medicine			-	2020
57	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	Advances in Intelligent Systems and Computing	1048		1003-1009	2020
58	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	Lecture Notes in Networks and Systems	80		605-611	2020
59	Pushpalatha N., Sai Satyanarayana Reddy S., Subhash Chandra N.	Extensible Attribute Similarity Data Mining for Categorical Data Streams in Web Usage Framework	Advances in Intelligent Systems and Computing	933		779-788	2020