

List of Publications Indexed in Scopus from Jan 2021 to July 2021

S.No	Authors	Article Title	Source Title	Addresses	Publisher	ISSN	Publication Year	Volume	Issue
1	Mehar K., Mishra P.K., Panda S.K.	Thermal Post-Buckling Strength Prediction and Improvement of Shape Memory Alloy Bonded Carbon Nanotube-Reinforced Shallow Shell Panel: A Nonlinear Finite Element Micromechanical Approach	Journal of Pressure Vessel Technology, Transactions of the ASME	Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, 517325, India; Department of Mechanical Engineering, CAPGS, BPUT Rourkela, Rourkela, Odisha, 769015, India; Department of Mechanical Engineering, National Institute of Technology Rourkela, Rourkela, Odisha, 769008, India	American Society of Mechanical Engineers (ASME)	949930	2021	143	6
2	Narasimha Murthy K.V., Saravana R., Kishore Kumar G., Vijaya Kumar K.	Modelling and forecasting for monthly surface air temperature patterns in India, 1951–2016: Structural time series approach	Journal of Earth System Science	Department of Mathematics, Madanapalle Institute of Technology & Science, Madanapalle, 517 325, India; Department of Atmospheric and Space Sciences, Savitribai Phule Pune University, Pune, 411 007, India; Department of Statistics, S.G.S. Arts & Science College, Tirupati, 517 501, India	Springer	234743 27	2021	130	1

3	Zade N.P., Bhosale A., Dhir P.K., Sarkar P., Davis R.	Variability of Mechanical Properties of Cellular Lightweight Concrete Infill and Its Effect on Seismic Safety	Natural Hazards Review	Dept. of Civil Engineering, National Institute of Technology Rourkela, Odisha, 769008, India; Dept. of Civil Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India; Dept. of Civil and Environmental Engineering, Univ. of Strathclyde, Glasgow, G11XQ, United Kingdom; Dept. of Civil Engineering, National Institute of Technology Calicut, Kerala, Kozhikode, 673601, India	American Society of Civil Engineers (ASCE)	152769 88	2021	22	4
4	Ahmad N., Hasan M.G., Barbhuiya R.K.	Identification and prioritization of strategies to tackle COVID-19 outbreak: A group-BWM based MCDM approach	Applied Soft Computing	Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, India; Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, India; Central Institute of Educational Technology, NCERT, New Delhi, India	Elsevier Ltd	156849 46	2021	111	

5	Ustun T.S., Farooq S.M., Hussain S.M.S.	Initialization Vector for application of IEC 61850-90-5 security features on R-GOOSE and R-SV messages	International Journal of Electrical Power and Energy Systems	Fukushima Renewable Energy Institute, AIST (FREA), National Institute of Advanced Industrial Science and Technology (AIST), Koriyama, 963-0215, Japan; Department of Computer Science and Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India; Department of Computer Science, National University of Singapore (NUS), Singapore	Elsevier Ltd	142061 5	2021	132
6	Mishra B.P., Barik M.	Free flexural vibration of thin stiffened plates using NURBS-Augmented finite element method	Structures	Department of Civil Engineering, National Institute of Technology, Rourkela, Odisha 769008, India; Department of Civil Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517326, India	Elsevier Ltd	235201 24	2021	33

7	Rajakumar R., Sekaran K., Hsu C.- H., Kadry S.	Accelerated grey wolf optimization for global optimization problems	Technological Forecasting and Social Change	Department of CST, Madanapalle Institute of Technology and Science, India; School of Computer Science & Engineering, Jain University, Bengaluru, India; School of Mathematics and Big Data, Foshan University, Foshan, 528000, China; Department of Computer Science and Information Engineering, Asia University, Taichung, Taiwan; Department of Medical Research, China Medical University Hospital, China Medical University, Taichung, Taiwan; Noroff University College, Kristiansand, Norway	Elsevier Inc.	401625	2021	169
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8	Kumar R., Sahoo S., Tan W.K., Kawamura G., Matsuda A., Kar K.K.	Microwave-assisted thin reduced graphene oxide-cobalt oxide nanoparticles as hybrids for electrode materials in supercapacitor	Journal of Energy Storage	Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, 208016, India; Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India; Institute of Liberal Arts and Sciences, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan; Department of Electrical and Electronic Information Engineering, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan; Advanced Nanoengineering Materials Laboratory, Materials Science Programme, Indian Institute of Technology Kanpur, Kanpur, 208016, India	Elsevier Ltd	235215 2X	2021	40
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9	Perumal A., Azhagurajan A., Kumar S.S., Prithivirajan R., Baskaran S., Rajkumar P.R., Kailasanathan C., Venkatesan G.	Influence of Optimization Techniques on Wire Electrical Discharge Machining of Ti-6Al- 2Sn-4Zr-2Mo Alloy using Modeling Approach	Journal of Inorganic and Organometallic Polymers and Materials	Department of Mechanical Engineering, Faculty in Sethu Institute of Technology, Kariyapatti, Tamilnadu 626115, India; Department of Mechanical Engineering, Faculty in MepcoSchlenk Engineering College, Sivakasi, Tamilnadu 626005, India; Department of Mechanical Engineering, Faculty in Kalasalingam Academy of Research and Education, KrishnanKoil, Tamilnadu, India; Department of Mechanical Engineering, Faculty in Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India	Springer	157414 43	2021	31	8
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10	Al Kaisy G.M.J., Mutalib M.I.A., Rao T.V.V.L.N., Senatore A.	Tribological performance of low viscosity halogen-free ammonium based protic ionic liquids with carboxylate anions as neat lubricants	Tribology International	Department of Chemical Engineering, Universiti Teknologi PETRONAS, Seri Iskandar, 32160, Malaysia; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India; Department of Industrial Engineering, University of Salerno, Fisciano – Salerno, 84084, Italy	Elsevier Ltd	030167 9X	2021	160	
11	Devi N., Sahoo S., Kumar R., Singh R.K.	A review of the microwave-assisted synthesis of carbon nanomaterials, metal oxides/hydroxides and their composites for energy storage applications	Nanoscale	School of Physical and Material Sciences, Central University of Himachal Pradesh (CUHP), Kangra, Dharamshala, HP-176215, India; School of Physics and Materials Science, Shoolini University, Himachal Pradesh, Solan, 173229, India; Department of Chemistry, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India; Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of	Royal Society of Chemistry	204033 64	2021	13	27

				Technology Kanpur, Kanpur, 208016, India					
12	Gupta S.	Design of non-mapping code in spectral and special domain with variable weight and OFDM system	Optical and Quantum Electronics	Madanpalle Institute of Technology and Science, Madanpalle, India	Springer	306891 9	2021	53	7

13	Geetha Devi K.V., Thakur S.S., Singh S.K.	Assessing the performances of vendor firms by optimization technique industry 4.0 GSC architectures	International Journal of Social Ecology and Sustainable Development	Department of Management Studies, Madanapalle Institute of Technology and Science, Madanapalle, India; Department of Mechanical Engineering, Kalinga University, Naya Raipur, India	IGI Global	194784 02	2021	12	3
14	Muhiuddina G., Alenzea E.N., Mahboobb A., Al- Masarwahc A.	Some New Concepts on Int-Soft Ideals in Ordered Semigroups	New Mathematics and Natural Computation	Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia; Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, Angallu, 517325, India; School of Mathematical Sciences, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, UKM Bangi, Selangor DE, 43600, Malaysia	World Scientific	179300 57	2021	17	2

15	Kumar B.P., Pillai D.S., Rajasekar N., Chakkarapani M., Ilango G.S.	Identification and Localization of Array Faults with Optimized Placement of Voltage Sensors in a PV System	IEEE Transactions on Industrial Electronics	Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, India; School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore; Solar Energy Research Cell, Department of Energy and Power Electronics, School of Electrical Engineering, Vellore Institute of Technology, Vellore, India; Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India	Institute of Electrical and Electronics Engineers Inc.	278004 6	2021	68	7
16	Pradhan B.B., Roy L.P., Mahapatra D.K.	Performance assessment of orthogonal space-time block codes in Nakagami-m/inverse Gaussian fading MIMO channels	IET Communications	Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India; Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela, India	John Wiley and Sons Inc	175186 28	2021	15	11

17	Rajeswari M., Thirugnanasamb ndam K., Raghav R.S., Prabu U., Saravanan D., Anguraj D.K.	Flower Pollination Algorithm with Powell's Method for the Minimum Energy Broadcast Problem in Wireless Sensor Network	Wireless Personal Communications	Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry, India; Department of Computer Science and Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; School of Computing, SASTRA Deemed University, Thanjavur, Tamilnadu, India; Department of CSE, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, India; Department of Computer Science Engineering, VIT Bhopal University, Kothri Kalan, Sehore, Madhya Pradesh, India; Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Greenfields, Vaddeswaram, Guntur, Andhra Pradesh, India	Springer	929621 2	2021	119	2
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18	Nallabala N.K.R., Godavarthi S., Kummara V.K., Kesarla M.K., Yuvaraj C., Suresh Kumar, Ravi N., Guntupalli G.K., Jilani S.A.K., Vattikuti S.V.P.	High performance, self- powered and thermally stable 200–750 nm spectral responsive gallium nitride (GaN) based broadband photodetectors	Solar Energy Materials and Solar Cells	Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517 325, India; CONACYT–Universidad Juárez Autónoma de Tabasco, Centro de Investigación de Ciencia y Tecnología Aplicada de Tabasco (CICTAT), Cunduacán, C.P. 86690, Mexico; Department of Physics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh 518 501, India; Instituto de Ciencias Físicas, Universidad Nacional Autónoma de Mexico, Cuernavaca, Morelos, C.P 62210, Mexico; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, 517325, India; Department of Electronic Science, Kurukshetra University, Kurukshetra, 136119, India; IISER Berhampur,	Elsevier B.V.	927024 8	2021	225
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				Berhampur, Odisha 760 010, India; Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517 325, India; School of Mechanical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea					
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19	Kumar R., Sahoo S., Joanni E., Singh R.K., Tan W.K., Kar K.K., Matsuda A.	Recent progress on carbon-based composite materials for microwave electromagnetic interference shielding	Carbon	Advanced Nanoengineering Materials Laboratory, Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur, 208016, India; Department of Electrical and Electronic Information Engineering, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580, Japan; Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India; Centre for Information Technology Renato Archer (CTI), Campinas, 13069-901, Brazil; School of Physical and Material Sciences, Central University of Himachal Pradesh (CUHP), Kangra, Dharamshala, HP 176215, India; Institute of Liberal Arts and Sciences, Toyohashi University of Technology, 1-1 Hibarigaoka, Tempaku-cho, Toyohashi, Aichi 441-8580,	Elsevier Ltd	86223	2021	177
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20	Anguraj D.K., Thirugnanasamb ndam K., Raghav R.S., Sudha S.V., Saravanan D.	Enriched cluster head selection using augmented bifold cuckoo search algorithm for edge-based internet of medical things	International Journal of Communication Systems	Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, India; School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, India; School of Computing, SASTRA Deemed University, Thanjavur, India; Department of Computer Science and Engineering, Dr N. G. P. Institute of Technology, Coimbatore, India; Department of Computer Science Engineering, VIT Bhopal University, Kothri Kalan, Sehore, Madhya Pradesh, India	John Wiley and Sons Ltd	107453 51	2021	34	9
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21	Nongjai R., Samad R., Singh V.R., Verma V.K., Kandasami A.	Magnetic and electronic structures of N implanted iron oxide thin films	Journal of Magnetism and Magnetic Materials	Materials Science Division, Inter-University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi, 110067, India; Department of Physics, Central University of Kashmir, Ganderbal, Jammu and Kashmir 191201, India; Department of Physics, Central University of South Bihar, Gaya, Bihar 824236, India; Department of Physics, Madanapalle Institute of Technology & Science, Angallu, Madanapalle, Andra Pradesh 517325, India	Elsevier B.V.	304885 3	2021	527
22	Mehar K., Mishra P.K., Panda S.K.	Thermal buckling strength of smart nanotube-reinforced doubly curved hybrid composite panels	Computers and Mathematics with Applications	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle Andhra Pradesh 517325, India; Department of Mechanical Engineering, CAPGS, BPUT Rourkela, Odisha, India; Department of Mechanical Engineering, National Institute of Technology, Rourkela, Odisha, 769008, India	Elsevier Ltd	898122 1	2021	90

23	Vivekananda G.N., Lavanya B.M., Reddy P.D.K.	DLM technique for QoS improvement in MANETS	Wireless Networks	Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India; Department of Computer Science and Engineering, JNTUACEP, Pulivendula, Andhra Pradesh, India; Department of Computer Science and Engineering, S.V. College of Engineering, Tirupati, Andhra Pradesh, India	Springer	102200 38	2021	27	4
24	Paul S., Pati U.C.	High-resolution optical- to-SAR image registration using mutual information and SPSA optimisation	IET Image Processing	Department of Electronics and Communication Engineering, Madanapalle Institute of Science and Technology (MITS), Madanapalle, Angulu, India; Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela, India	John Wiley and Sons Inc	175196 59	2021	15	6

25	Roy C., Islam A.	Design of low power, variation tolerant single bitline 9T SRAM cell in 16-nm technology in subthreshold region	Microelectronics Reliability	Dept. of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Birla Institute of Technology, Mesra, Jharkhand, India	Elsevier Ltd	262714	2021	120	
26	Gadipelly T., Dasgupta A., Sornadurai D., Dhara S.	Controlling the morphology of nanocrystalline Y(OH)3 powders synthesized by microwave-hydrothermal route and effect of annealing	Applied Physics A: Materials Science and Processing	Physical Metallurgy Division, Materials Metallurgy Group, Indira Gandhi Center for Atomic Research, HBNI, Kalpakkam, 603102, India; Condensed Matter Physics Division, Indira Gandhi Center for Atomic Research, HBNI, Kalpakkam, 603102, India; Surface and Nanoscience Division, Indira Gandhi Center for Atomic Research, HBNI, Kalpakkam, 603102, India; Department of Physics, Basic Science and Humanities, Madanapalle Institute of Technology & Science, Madanapalli, Chittoor, Andhra Pradesh 517325, India	Springer Science and Business Media Deutschland GmbH	947839 6	2021	127	5

27	Ramesh Reddy P., Abdul Gaffar S., Khan B.M.H., Venkatadri K., Anwar Beg O.	Mixed convection flows of tangent hyperbolic fluid past an isothermal wedge with entropy: A mathematical study	Heat Transfer	Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Department of Information Technology, Mathematics Section, University of Technology & Applied Sciences, Salalah, Oman; Department of Mathematics, Aditya College of Engineering, Madanapalle, India; Department of Mathematics, Sreenivasa Institute of Technology and Management Studies, Chittoor, Andhra Pradesh, India; Magnetohydrodynamics, Biological Propulsion and Energy Research, Aeronautical and Mechanical Engineering Division, University of Salford, Salford, United Kingdom	John Wiley and Sons Inc	268845 34	2021	50	3
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28	De S., Maity C.K., Sahoo S., Nayak G.C.	Polyindole Booster for Ti3C2TxMXene Based Symmetric and Asymmetric Supercapacitor Devices	ACS Applied Energy Materials	Department of Chemistry, Indian Institute of Technology (ISM), Dhanbad Jharkhand, 826004, India; Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle Andhra Pradesh, 517325, India	American Chemical Society	257409 62	2021	4	4
29	Anamalamudi K., Padmanabha Reddy Y.C.A.	Context-based News Articles Retrieval using CLSM	Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021	Madanapalle Institute of Technology Science, Department of CSE, Madanapalle, India	Institute of Electrical and Electronics Engineers Inc.		2021		

30	Kumar H., Mishra M.K., Mishra S., Muralidhar Singh M., Srivastava D.K.	Determination of methane sorption capacity using microstructural analysis in coal of Jharia Coalfield, India	Arabian Journal of Geosciences	Department of Petroleum Engineering and Earth Sciences, University of Petroleum and Energy Studies, Bidholi, Via Prem Nagar, Dehradun, Uttarakhand 248007, India; Department of Mining Engineering, NIT Rourkela, Rourkela, Odisha 769008, India; Department of Chemical Engineering, NIT Rourkela, Rourkela, Odisha 769008, India; Madanapalle Institute of Technology & Science, Angallu, Madanapalle, Andhra Pradesh, India	Springer Science and Business Media Deutschland GmbH	18667511	2021	14	8
31	Pavani V.L., Pradeep Kumar D.	A secure information discovery using mobile agents in wireless industry 4.0 networks	International Journal of Social Ecology and Sustainable Development	Department of Computer Applications, Madanapalle Institute of Technology and Science, India; Department of Management Studies, Madanapalle Institute of Technology and Science, India	IGI Global	19478402	2021	12	2

32	Perumandla S., Kuriseti P.	Commodity transaction tax (ctt): Nature of correlation dynamics and volatility linkages between indian commodity and equity markets	International Journal of Asian Business and Information Management	Madanapalle Institute of Technology and Science (MITS), India; National Institute of Technology, Warangal, India	IGI Global	194796 38	2021	12	2
33	Sarwesh P., Chandrasekaran K., Thamizharasan S.	Network blueprint for maximizing the lifetime of smart devices in low power iot networks	International Journal of Grid and High Performance Computing	Madanapalle Institute of Technology and Science, India; National Institute of Technology and Science, Karnataka, India	IGI Global	193802 59	2021	13	2
34	Kumari P., Zzaman M., Jena S., Kumar M., Bharadwaj R.R., Verma V.K., Shahid R., Amemiya K., Singh V.R.	Electronic and Magnetic Properties of Chemical Solution Deposited BiFeO ₃ Thin Film: a Soft X-ray Magnetic Circular Dichroism Study	Journal of Superconductivity and Novel Magnetism	Department of Physics, Central University of South Bihar, 824236, Gaya, India; Department of Physics, Jamia Millia Islamia (Central University), New Delhi, 110025, India; Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, AP 517325, India; Photon Factory, IMSS, High Energy Accelerator Research Organization, Tsukuba, Ibaraki, 305-0801, Japan	Springer	155719 39	2021	34	4

35	Rathanasamy R., Sahoo S., Lee J.H., Das A.K., Somasundaram M., Palaniappan S.K., Sivaraj S.	Carbon-based Multi- layered Films for Electronic Application: A Review	Journal of Electronic Materials	Department of Mechanical Engineering, Kongu Engineering College, Erode, Tamilnadu, India; Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; BIN Convergence Technology, Chonbuk National University, Jeonju, South Korea; Department of Mechatronics Engineering, Kongu Polytechnic College, Erode, Tamilnadu, India; Department of Mining Engineering, Indian Institute of Technology Kharagpur, Kharagpur, India	Springer	361523 5	2021	50	4
36	Patnaik N., Panda A.K., Mohanty P.R., Pandey R.	DEC fuel cell-based universal power compensator for dual PCC system	International Transactions on Electrical Energy Systems	Anil Neerukonda Institute of Technology and Sciences Visakhapatnam, India; National Institute of Technology Rourkela, Rourkela, India; Madanapalle Institute of Technology and Science, Madanapalle, India; Maharaj Vijayaram Gajapathi Raj College of Engineering, Vizianagaram, India	John Wiley and Sons Ltd	205070 38	2021	31	4

37	Khan A.A., Shameem M., Nadeem M., Akbar M.A.	Agile trends in Chinese global software development industry: Fuzzy AHP based conceptual mapping	Applied Soft Computing	College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China; Department of Computer Applications, Madanapalle Institute of Technology & Science Andhra Pradesh, India; Department of Computer Science, Aligarh Muslim University, Aligarh Uttar Pradesh, India	Elsevier Ltd	156849 46	2021	102	
38	Devarajan Y., Nagappan B., Subbiah G., Kariappan E.	Experimental investigation on solar- powered ejector refrigeration system integrated with different concentrators	Environmental Science and Pollution Research	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India; Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain (Deemed- to-be University), Ramanagara district, Bengaluru, 562112, India; Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai, India; Department of Mechanical Engineering, Er. Perumal Manimekalai College of Engineering, Hosur, India	Springer Science and Business Media Deutschland GmbH	944134 4	2021	28	13

39	Perumal A., Azhagurajan A., Prithivirajan R., Kumar S.S.	Experimental Investigation and Optimization of Process Parameters in Ti – (6242) Alpha–Beta Alloy Using Electrical Discharge Machining	Journal of Inorganic and Organometallic Polymers and Materials	Sethu Institute of Technology, Kariyapatti, Tamilnadu, India; Mepco Schlenk Engineering College, Sivakasi, Tamilnadu, India; Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Kalasalingam Academy of Research and Education, KrishnanKoil, Tamilnadu, India	Springer	157414 43	2021	31	4
40	Kurmi Y., Gangwar S., Agrawal D., Kumar S., Srivastava H.S.	Leaf image analysis-based crop diseases classification	Signal, Image and Video Processing	ECE Department, Maulana Azad National Institute of Technology, Bhopal, India; Agriculture Department, RKDF University, Bhopal, India; ECE Department, Madanapalle Institute of Technology & Science, Madanapalle, India; ECE Department, CMR Institute of Technology, Hyderabad, India	Springer Science and Business Media Deutschland GmbH	186317 03	2021	15	3
41	Kumar V.	Evaluation of computationally intelligent techniques for breast cancer diagnosis	Neural Computing and Applications	Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, India	Springer Science and Business Media Deutschland GmbH	941064 3	2021	33	8

42	Ebrahimi F., Karimiasl M., Singhal A.	Magneto-electro-elastic analysis of piezoelectric– flexoelectric nanobeams rested on silica aerogel foundation	Engineering with Computers	Department of Mechanical Engineering, Faculty of Engineering, Imam Khomeini International University, Qazvin, Iran; Department of Mathematics, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India	Springer Science and Business Media Deutschland GmbH	177066 7	2021	37	2
43	Madav B.T., Jilani S.A.K., Aruna Mastani S.	A Selective Block Processing of Frames for Video Frame Interpolation	ARPJ Journal of Engineering and Applied Sciences	Department of Electronics and Communication Engineering, Jawaharlal Nehru Technological University Anantapur Andhra Pradesh, India; Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India	Asian Research Publishing Network	181966 08	2021	19	5

44	Ramteke P.M., Meher K., Sharma N., Panda S.K.	Numerical prediction of deflection and stress responses of functionally graded structure for grading patterns (power-law, sigmoid, and exponential) and variable porosity (even/uneven)	Scientia Iranica	Department of Mechanical Engineering, National Institute of Technology Rourkela, Rourkela, Odisha, 769008, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, 517325, India; School of Mechanical Engineering, KIIT (Deemed to be University) Bhubaneswar, Bhubaneswar, Odisha, 751024, India	Sharif University of Technology	102630 98	2021	28	2 B
45	Jena P.R., Majhi R., Kalli R., Managi S., Majhi B.	Impact of COVID-19 on GDP of major economies: Application of the artificial neural network forecaster	Economic Analysis and Policy	School of Management, National Institute of Technology Karnataka, Surathkal, Mangalore, 575025, India; Department of Management Studies, Madanapalle Institute of Technology & Science, India; Urban Institute & Department of Civil Engineering, Kyushu University, Japan; Department of CSIT, Guru Ghasidas Vishwavidyalaya, Central University, Bilaspur, India	Elsevier B.V.	313592 6	2021	69	

46	Deshamukhya T., Bhanja D., Nath S.	Heat transfer enhancement through porous fins: A comprehensive review of recent developments and innovations	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India; Department of Mechanical Engineering, National Institute of Technology Silchar, Assam, India	SAGE Publications Ltd	954406 2	2021	235	5
47	Nagappan B., Devarajan Y., Kariappan E., Philip S.B., Gautam S.	Influence of antioxidant additives on performance and emission characteristics of beef tallow biodiesel-fuelled C.I engine	Environmental Science and Pollution Research	Faculty of Engineering and Technology, Department of Mechanical Engineering, Jain (Deemed-to-be University), Ramanagara District, Bengaluru, 562112, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India; Department of Mechanical Engineering, Er. Perumal Manimekalai College of Engineering, Hosur, India; Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai, India	Springer Science and Business Media Deutschland GmbH	944134 4	2021	28	10

48	Chandramohan D., Dumka A., Dhilipkumar V., Loganathan J.	Data dissemination for green-VANETs communication: an opportunistic optimization approach	International Journal of Pervasive Computing and Communications	Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India; Department of Computer Science and Engineering, Women Institute of Technology, Dehradun, India; Department of Computer Science and Engineering, Vel Tech Rangarajan Dr Sagunthala RD Institute of Science and Technology, Chennai, India	Emerald Group Holdings Ltd.	174273 71	2021	17	1
49	Thirugnanasamba ndam K., R.S R., Loganathan J., Dumka A., Dhilipkumar V.	Optimal path planning for intelligent automated wheelchair using DDSRPSO	International Journal of Pervasive Computing and Communications	Madanapalle Institute of Technology and Science, Madanapalle, India; Sastra Deemed University, Thanjavur, India; Vel Tech Rangarajan Dr Sagunthala RD Institute of Science and Technology, Chennai, India; Department of Computer Science and Engineering, Women Institute of Technology, Dehradun, India; Department of Computer Science and Engineering, Vel Tech Rangarajan Dr Sagunthala RD Institute of Science and Technology, Chennai, India	Emerald Group Holdings Ltd.	174273 71	2021	17	1

50	Prabhakar Vattikuti S.V., Devarayapalli K.C., Chandra Sekhar M., Kumar Reddy Nallabala N., Nguyen Dang N., Shim J.	Electrochemical performance of coin cell-type symmetric supercapacitor electrode consisting of three-dimensional molybdenum disulfide microflowers	Materials Letters	School of Mechanical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea; Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517 325, India; Future Materials & Devices Lab., Institute of Fundamental and Applied Sciences, Duy Tan University, Ho Chi Minh City, 700000, Viet Nam; The Faculty of Environmental and Chemical Engineering, Duy Tan University, Da Nang, 550000, Viet Nam	Elsevier B.V.	016757 7X	2021	285	
51	Bardhan Roy A., Vinay Kumar K., Saha M.	Light management studies by using different surface texturing for thin c-Si solar cells	Applied Physics A: Materials Science and Processing	Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India; Department of Botany, Zoology and Chemistry, Viswam Degree and PG College, Madanapalle, Andhra Pradesh 517325, India	Springer Science and Business Media Deutschland GmbH	947839 6	2021	127	2

52	Chauhan A., Naseem S., Bahadur J., Singh B.R., Shoeb M., Husain S., Khan W.	Structural and electrochemical properties of GO/Mn3O4 nanocomposite	Journal of Materials Science: Materials in Electronics	Department of Applied Physics, Z.H. College of Engg. & Technology, Aligarh Muslim University, Aligarh, 202002, India; Interdisciplinary Nanotechnology Centre, Aligarh Muslim University, Aligarh, 202002, India; Madanapalle Institute of Technology & Science, Madanapalle, 517325, India; TERI-Deakin Nanobiotechnology Centre, TERI Gram, The Energy and Resources Institute, Gurgaon, Haryana, India; Department of Physics, Aligarh Muslim University, Aligarh, 202002, India	Springer	957452 2	2021	32	3
53	Arora S., Satsangi S., Kaur S., Khanna R.	Substation demand reduction by CVR enabled intelligent PV inverter control functions in distribution systems	International Transactions on Electrical Energy Systems	Electrical Engineering Department, Punjab Engineering College, Chandigarh, India; Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India	John Wiley and Sons Ltd	205070 38	2021	31	2

54	Katariya P.V., Panda S.K., Mehar K.	Theoretical modelling and experimental verification of modal responses of skewed laminated sandwich structure with epoxy- filled softcore	Engineering Structures	Department of Mechanical Engineering, National Institute of Technology Rourkela, Rourkela, Odisha 769008, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India	Elsevier Ltd	141029 6	2021	228	
55	Mahadevan A., Arock M.	A class imbalance-aware review rating prediction using hybrid sampling and ensemble learning	Multimedia Tools and Applications	Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Chittoor, Andhra Pradesh, India; Department of Computer Applications, National Institute of Technology, Trichy, Tamil Nadu, India	Springer	138075 01	2021	80	5

56	Thirugnanasambam K., Sudha S.V., Saravanan D., Ravi R.V., Anguraj D.K., Raghav R.S.	Reinforced Cuckoo Search based fugitive landfill methane emission estimation	Environmental Technology and Innovation	Department of Computer Science and Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Department of Computer Science and Engineering, Dr.N.G.P. Institute of Technology, Coimbatore, Tamil Nadu, India; Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Greenfields, Vaddeswaram, Guntur, Andhra Pradesh, India; Department of Electronics and Communication Engineering, M.E.A Engineering College, Vengoor, Pattikkad PO, Kerala, Malappuram, India; School of Computing, SASTRA Deemed University, Thanjavur, Tamil Nadu, India	Elsevier B.V.	235218 64	2021	21
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57	Reddy B.P., Mallikarjuna K., Kumar M., Sekhar M.C., Suh Y., Park S.-H.	Highly porous metal organic framework derived NiO hollow spheres and flowers for oxygen evolution reaction and supercapacitors	Ceramics International	Department of Electronic Engineering, Yeungnam University, 280 Daehak-ro, Gyeongsan-si, Gyeongsanbuk-do, South Korea; Department for Management of Science and Technology Development, Ton Duc Thang University, Ho Chi Minh City, Viet Nam; Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Viet Nam; Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India	Elsevier Ltd	272884 2	2021	47	3
58	Arun I., Yuvaraj C., Madhu A., Ramesh T.	A comparison on microstructure and mechanical properties of electric discharge metal matrix nickel and silica composite coating on duplex stainless steel	Journal of Composite Materials	Center for Advanced Material Processing, Madanapalle Institute of Technology Science, India	SAGE Publications Ltd	219983	2021	55	4

59	Akbar M.A., Shameem M., Khan A.A., Nadeem M., Alsanad A., Gumaei A.	A fuzzy analytical hierarchy process to prioritize the success factors of requirement change management in global software development	Journal of Software: Evolution and Process	College of Computer Science and Technology, Nanjing University of Aeronautics and Astronautics, Nanjing, China; Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, India; Department of Computer Science, Aligarh Muslim University, Aligarh, India; Research Chair of Artificial Intelligence (RCAI), Department of Information Systems, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia	John Wiley and Sons Ltd	204774 81	2021	33	2
60	Murthy K.V.N., Kishore Kumar G.	Structural time-series modelling for seasonal surface air temperature patterns in India 1951–2016	Meteorology and Atmospheric Physics	Department of Mathematics, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India; Department of Atmospheric and Space Sciences, Savitribai Phule Pune University, Pune, India	Springer	177797 1	2021	133	1

61	Beemkumar N., Yuvarajan D., Arulprakasajothi M., Elangovan K., Arunkumar T.	Control of room temperature fluctuations in the building by incorporating PCM in the roof	Journal of Thermal Analysis and Calorimetry	Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain (Deemed- to-be University), Bengaluru, 562112, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India; Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, 600042, India; Department of Mechanical Engineering, Er. Perumal Manimekalai College of Engineering, Hosur, 635117, India; Department of Mechanical Engineering, CMR Institute of Technology, Bengaluru, 560037, India	Springer Science and Business Media B.V.	138861 50	2021	143	4
62	Kuppusamy P., Hung C.-L.	Enriching the Multi- Object Detection using Convolutional Neural Network in Macro- Image	2021 International Conference on Computer Communication and Informatics, ICCCI 2021	Dept. of Cse, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Dept. CS and Comm. Engg., Providence University, Taichung, Taiwan	Institute of Electrical and Electronics Engineers Inc.		2021		

63	Panigrahy P.S., Chattopadhyay P.	Tri-axial vibration based collective feature analysis for decent fault classification of VFD fed induction motor	Measurement: Journal of the International Measurement Confederation	Department of Electrical Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, India; Senior Assistant Professor, Department of Electrical & Electronics Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India	Elsevier B.V.	263224 1	2021	168	
64	Sahoo B., Mehar K., Sahoo B., Sharma N., Panda S.K.	Thermal frequency analysis of FG sandwich structure under variable temperature loading	Structural Engineering and Mechanics	Department of Mechanical Engineering, IIIT, Bhubaneswar, Odisha, 751003, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, 517325, India; School of Mechanical Engineering, KIIT, Bhubaneswar, Odisha, 751024, India; Department of Mechanical Engineering, NIT, Rourkela, Odisha, 769008, India	Techno-Press	122545 68	2021	77	1

65	Asha Rani M.A., Chakkarapani M., Nagamani C., Saravana Ilango G., Jaya Bharata Reddy M.	Performance Evaluation of R-PLL for Robust Sensorless Operation of DFIG under Harmonics, DC Offset and Phase Jump in Grid Voltage	ICPEE 2021 - 2021 1st International Conference on Power Electronics and Energy	Nit, Sicha, India; Mits, Madanapalle, India; Nit, Tiruchirappalli, India	Institute of Electrical and Electronics Engineers Inc.		2021		
66	Arun I., Yuvaraj C., Reddy G.C.S., Balaji N.S.	Electric discharge coating process variation and its wear properties	International Journal of Surface Science and Engineering	Centre for Advanced Material Processing, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, 517325, India	Inderscience Publishers	174978 5X	2021	15	2
67	Muhiuddin G., Al- Kadi D., Mahboob A., Albjedi A.	Interval-Valued m-Polar Fuzzy Positive Implicative Ideals in BCK-Algebras	Mathematical Problems in Engineering	Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia; Department of Mathematics and Statistic, College of Science, Taif University, P.O. Box 11099, Taif, 21944, Saudi Arabia; Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India	Hindawi Limited	102412 3X	2021	2021	

68	Nagesha K.V., Kumar H., Munisingh M.S.	Influence Of Rock Properties On Emission Rate Of Particulates Matter (pm) During Drilling Operation In Surface Mines	Iranian Journal of Earth Sciences	Madanapalle Institute of Technology and Science, Madanapalle, India; Department of Petroleum and Earth Sciences, University of Petroleum and Energy Studies, Bidholi, Via Prem Nagar, Dehradun, Uttarakhand 248007, India	Islamic Azad University	200887 79	2021	13	1
69	Surendiran B., Sreekanth P., Keerthi E.S.H., Praneetha M., Swetha D., Arulmurugaselvi N.	Feature subset selection for cancer detection using various rank- based algorithms	International Journal of Medical Engineering and Informatics	Department of Cse, National Institute of Technology Puducherry, Karaikal, India; Department of Cse, Madanapalle Institute of Technology and Science, Madanapalle, India; Gpt Coimbatore, Tamilnadu, India	Inderscience Publishers	175506 53	2021	13	4

70	Vattikuti S.V.P., Devarayapalli K.C., Reddy Nallabala N.K., Nguyen T.N., Nguyen Dang N., Shim J.	Onion-Ring-like Carbon and Nitrogen from ZIF-8 on TiO ₂ /Fe ₂ O ₃ Nanostructu re for Overall Electrochemical Water Splitting	Journal of Physical Chemistry Letters	School of Mechanical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea; Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517 325, India; Ho Chi Minh City University of Technology and Education, 01 Vo Van Ngan, Thu Duc District, Ho Chi Minh City, 700000, Viet Nam; Future Materials and Devices Lab., Institute of Fundamental and Applied Sciences, Duy Tan University, Ho Chi Minh City, 700000, Viet Nam; The Faculty of Environmental and Chemical Engineering, Duy Tan University, Da Nang, 550000, Viet Nam	American Chemical Society	194871 85	2021	12
71	Beuria M.K., Shankar R., Singh S.S.	Analysis of the energy harvesting non- orthogonal multiple access technique for defense applications over Rayleigh fading channel conditions	Journal of Defense Modeling and Simulation	Kalinga Institute of Industrial Technology, Bhubaneswar, India; Madanapalle Institute of Technology Science, India	SAGE Publications Inc.	154851 29	2021	

72	Arora S., Satsangi S., Kaur S., Khanna R.	Evaluation of substation demand by combined operation of CVR with PV inverter in EPRI test circuit	Proceedings of the 2021 1st International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies, ICAECT 2021	EE Department, Punjab Engineering College, Chandigarh, India; EE Department, Madanapalle Institute of Technology and Science, Madanapalle, India	Institute of Electrical and Electronics Engineers Inc.		2021		
73	Kumar M., Verma V.K., Singh V.R.	Magnetic anisotropic of thermally evaporated FeNi thin film: A soft X-ray magnetic circular dichroism study	Surface and Interface Analysis	Department of Physics, Central University of South Bihar, Gaya, Bihar, India; Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, Chittoor, India	John Wiley and Sons Ltd	142242 1	2021		
74	Malladi R., Beuria M.K., Shankar R., Singh S.S.	Investigation of the fifth generation non-orthogonal multiple access technique for defense applications using deep learning	Journal of Defense Modeling and Simulation	Gudlavalleru Engineering College, India; Kalinga Institute of Institute of Industrial Technology, India; Madanapalle Institute of Technology and Science, India	SAGE Publications Inc.	154851 29	2021		

75	Devarajan Y., Nagappan B., Choubey G., Vellaiyan S., Mehtar K.	Renewable Pathway and Twin Fueling Approach on Ignition Analysis of a Dual- Fuelled Compression Ignition Engine	Energy and Fuels	Department of Automobile Engineering, Saveetha School of Engineering, SIMATS, Chennai, Tamilnadu 602105, India; Department of Mechanical Engineering, Faculty of Engineering and Technology, Jain University, Bengaluru, 562112, India; Department of Mechanical and Aerospace Engineering, Institute of Infrastructure, Technology, Research and Management (IITRAM), Ahmedabad, Gujarat 380026, India; Department of Mechanical Engineering, C.K. College of Engineering and Technology, Cuddalore, Tamilnadu 607003, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, 517325, India	American Chemical Society	887062 4	2021	35	12
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76	Singh M.M., Kumar H., Sivaiah P.	Evaluation of Mechanical Properties of Glass Fiber- BMPM/DABA-PMC Composite	Transactions of the Indian Institute of Metals	Madanapalle Institute of Technology & Science, Madanapalle, India; Department of Petroleum and Earth Sciences, University of Petroleum and Energy Studies, Bidholi, Via Prem Nagar, Dehradun, Uttarakhand 248007, India	Springer	972281 5	2021		
77	Adigopula V.K.	A Simplified Empirical Approach for Prediction of Pavement Layer Moduli Values Using Lightweight Deflectometer Data	International Journal of Pavement Research and Technology	Madanapalle Institute of Technology and Science, Madanapalle, India	Springer	199668 14	2021		

78	Singh C., Chauhan D., Deshmukh S.A., Vishnu S.S., Walia R.	Medi-Block record: Secure data sharing using block chain technology	Informatics in Medicine Unlocked	Department of Computer Science & Engineering, Shivajirao Kadam Institute of Technology & Management, Indore, Madhya Pradesh, India; Department of Computer Science & Engineering, Maharashtra Institute of Technology, Aurangabad, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & ScienceAP, India; Department of Electrical Engineering, Model Institute of Engineering and Technology, JammuJammu and Kashmir, India	Elsevier Ltd	235291 48	2021	24	
79	Muhiuddin G., Al-Kadi D., Mahboob A.	More General Form of Interval-Valued Fuzzy Ideals of BCK/BCI-Algebras	Security and Communication Networks	Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia; Department of Mathematics and Statistic, College of Science, Taif University, P. O. Box 11099, Taif, 21944, Saudi Arabia; Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India	Hindawi Limited	193901 14	2021	2021	

80	Jairath K., Singh N., Jagota V., Shabaz M.	Compact Ultrawide Band Metamaterial-Inspired Split Ring Resonator Structure Loaded Band Notched Antenna	Mathematical Problems in Engineering	Department of Applied Science, IKGPTU, Kapurthala, Punjab, India; Department of Applied Science, ACET, Amritsar, Punjab, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, AP, India; Arba Minch University, Arba Minch, Ethiopia	Hindawi Limited	1024123X	2021	2021	
81	Maji A., Deshamukhya T., Choubey G., Choubey A.	Correction to: Performance evaluation of perforated pin fin heat sink using particle swarm optimization and MCDM techniques (Journal of Thermal Analysis and Calorimetry, (2021), 10.1007/s10973-021-10872-6)	Journal of Thermal Analysis and Calorimetry	Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar, Rajam, Andhra Pradesh 532127, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India; Department of Mechanical & Aerospace Engineering, Institute of Infrastructure Technology Research and Management (IITRAM), Gujarat, 380026, India; Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, 110016, India	Springer Science and Business Media B.V.	13886150	2021		

82	Maji A., Deshamukhya T., Choubey G., Choubey A.	Performance evaluation of perforated pin fin heat sink using particle swarm optimization and MCDM techniques	Journal of Thermal Analysis and Calorimetry	Department of Mechanical Engineering, GMR Institute of Technology, GMR Nagar, Rajam, Andhra Pradesh 532127, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India; Department of Mechanical & Aerospace Engineering, Institute of Infrastructure Technology Research and Management (IITRAM), Gujarat, 380026, India; Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, 110016, India	Springer Science and Business Media B.V.	138861 50	2021		
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83	Saravanan D., Rajakumar R., Sreedevi M., Dinesh K., Sudha S.V., Anguraj D.K., Mubarakali A.	Multi-objective swarm- based model for deploying virtual machines on cloud physical servers	Distributed and Parallel Databases	Department of Computer Science Engineering, VIT Bhopal University, Kothri Kalan, Sehore, Madhya Pradesh, India; Department of Computer Science & Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Department of Computer Science and Engineering, Dr. N. G. P. Institute of Technology, Coimbatore, Tamil Nadu, India; Department of Computer Science & Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Andhra Pradesh, India; College of Computer Science, King Khalid University, Abha, Saudi Arabia	Springer	926878 2	2021		
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84	Khan M., Raya R.P., Viswanathan R.	Enhancing employee innovativeness and job performance through a culture of workplace innovation	International Journal of Productivity and Performance Management	Department of Business Administration, Madanapalle Institute of Technology and Science, Madanapalle, India; Pondicherry University, Pondicherry, India; Department of International Business, School of Management, Pondicherry University, Pondicherry, India	Emerald Group Holdings Ltd.	17410401	2021		
85	Dash L., Padhan S., Das A., Das S.R.	Machinability investigation and sustainability assessment in hard turning of AISI D3 steel with coated carbide tool under nanofluid minimum quantity lubrication-cooling condition	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Department of Production Engineering, Veer Surendra Sai University of Technology, Burla, India; Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India	SAGE Publications Ltd	9544062	2021		

86	Dhass A.D., Raj Anand S., Krishna R.	Implementation of Blockchain-Based Security and Privacy in Energy Management	Green Energy and Technology	Department of Mechanical Engineering, Indus Institute of Technology and Engineering, Indus University, Ahmedabad, Gujarat, 382115, India; Department of CSE, VEMU Institute of Technology, Pakala, Chittoor, Andhra Pradesh, 517112, India; Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India	Springer Science and Business Media Deutschland GmbH	186535 29	2021		
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87	Aurtherson P.B., Nalla B.T., Srinivasan K., Mehtar K., Devarajan Y.	Biofuel production from novel Prunus domestica kernel oil: process optimization technique	Biomass Conversion and Biorefinery	Department of Mechanical Engineering, DM I Engineering College, Aralvaimozhi, Kanniyakumari, Tamil Nadu, India; Department of Mechanical Engineering, Adithya College of Engineering, E.G. Dist., Surampalem, A.P 533437, India; Department of Mechanical Engineering, Sri Sithiswarar Engineering College, Vellore, Tamil Nadu, India; Department of Mechanical Engineering, Madanapalle Institute of Science & Technology, Chittor, Andhra Pradesh, India; Department of Mechanical Engineering, Saveetha School of Engineering, SIMATS, Chennai, Tamil Nadu, India	Springer Science and Business Media Deutschland GmbH	219068 15	2021		
88	Anandkumar R.	Hybrid fuzzy logic and artificial Flora optimization algorithm-based two tier cluster head selection for improving energy efficiency in WSNs	Peer-to-Peer Networking and Applications	Department of Computer Science & Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India	Springer	193664 42	2021		

89	Sheikh T.A., Bora J., Hussain M.A.	Sum-Rate Improvement in Massive MIMO System with User Grouping and Selection, and Antenna Scheduling Scheme	Wireless Personal Communications	Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India; Department of Electronics and Communication Engineering, North Eastern Regional Institute of Science and Technology, Arunachal Pradesh, Nirjuli, 791109, India	Springer	929621 2	2021		
90	Paul S., Pati U.C.	A comprehensive review on remote sensing image registration	International Journal of Remote Sensing	Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science (MITS), Madanapalle, India; Department of Electronics and Communication Engineering, National Institute of Technology, Rourkela, India	Taylor and Francis Ltd.	143116 1	2021	42	14
91	Krishna R., Sreenivasan M., Lyutyk M., Barosh M.	Characterization of Spheroidized Alumina Powders for Ceramic 3D Printing Application	Lecture Notes in Mechanical Engineering	Madanapalle Institute of Technology and Science, Madanapalle, AP, 517325, India; Pace Institute of Technology and Sciences, Ongole, AP, 523272, India; Klakona System LLC, Kyiv, Ukraine	Springer Science and Business Media Deutschland GmbH	219543 56	2021	51	

92	Madheswaran D.K., Thangamuthu M., Gopi S., Krishna R., Mohan S., Jayakumar A., Chinnampalli Y., Hussain S.T.N.	A Comparative Simulation Analysis of Conventional and Composite Leaf Spring	Lecture Notes in Mechanical Engineering	Department of Automobile Engineering, SRM Institute of Science and Technology, Kattankulathur, Chennai, 603203, India; Department of Mechanical Engineering, PACE Institute of Technology and Sciences, Ongole, 523272, India; Department of Mechanical Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India; Department of Mechanical Engineering, Rajalakshmi Institute of Technology, Kuthambakkam, Chennai, 600124, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Angallu, Chittoor, 517325, India	Springer Science and Business Media Deutschland GmbH	219543 56	2021	51
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93	Deshamukhya T., Bhanja D., Nath S.	A metaheuristic analysis of heat transfer rates through porous fins of tapered and step profiles: a comparative study	Neural Computing and Applications	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India; Department of Mechanical Engineering, National Institute of Technology Silchar, Assam, 788 010, India	Springer Science and Business Media Deutschland GmbH	941064 3	2021		
94	Mahboob A., Muhiuddin G.	A New Type of Fuzzy Prime Subset in Ordered Semigroups	New Mathematics and Natural Computation	Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India; Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia	World Scientific	179300 57	2021		

95	Han M., Zhang F., Ning N., Zhou J., Shanthini A., Vivekananda G.N.	FPLP3D: Security robot for face recognition in the workplace environment using face pose detection assisted controlled FACE++ tool position: A three- dimensional robot	Work	Department of Teacher Development, Dalian University of Science and Technology, Dalian, China; Dalian University of Science and Technology, Dalian, China; Department of Applied Technology, Shenzhen Yuejiang Technology Co., Ltd., Shenzhen, China; Department of Physical Education, Tianjin Polytechnic University, Tianjin, China; Srm Institute of Science and Technology, Chennai, India; Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India	IOS Press BV	105198 15	2021	68	3
96	Mahboob A., Khan N.M.	Pure Γ -ideals in Γ - semigroups	Afrika Matematika	Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India; Department of Mathematics, Aligarh Muslim University, Aligarh, 202002, India	Springer Science and Business Media Deutschland GmbH	101294 05	2021		

97	Shankar R., Nandi S., Rupani A.	Channel capacity analysis of non-orthogonal multiple access and massive multiple-input multiple-output wireless communication networks considering perfect and imperfect channel state information	Journal of Defense Modeling and Simulation	Madanapalle Institute of Technology Science, India; Bengal Institute of Technology, India; Jodhpur Institute of Engineering and Technology, India	SAGE Publications Inc.	154851 29	2021		
98	Pandya S., Wakchaure M.A., Shankar R., Annam J.R.	Analysis of NOMA-OFDM 5G wireless system using deep neural network	Journal of Defense Modeling and Simulation	Symbiosis Institute of Technology, Symbiosis International (Deemed) University, Pune, Maharashtra, India; Amrutvahini College of Engineering, India; Madanapalle Institute of Technology Science, India; Gudlavalleru Engineering College, India; Symbiosis Centre for Applied Artificial Intelligence, Symbiosis International (Deemed) University, Pune, Maharashtra, India	SAGE Publications Inc.	154851 29	2021		

99	Banerjee A., Maity S.P.	Jamming in Eavesdropping on Throughput Maximization in Green Cognitive Radio Networks	IEEE Transactions on Mobile Computing	<p>Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, 210883 Madanapalle, Andhra Pradesh, India, 517325 (e-mail: abanerjeeiest@gmail.com);</p> <p>Engineering Science, Indian Institute of Engineering Science and Technology Shibpur, HOWRAH, WEST BENGAL, India, 711 103 (e-mail: santipmaity@it.iiests.ac.in)</p>	Institute of Electrical and Electronics Engineers Inc.	153612 33	2021		
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100	Dhasarathan C., Kumar M., Srivastava A.K., Al- Turjman F., Shankar A., Kumar M.	A bio-inspired privacy- preserving framework for healthcare systems	Journal of Supercomputing	Department of Computer Science & Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India; School of Computer Science and Engineering, Vellore Institute of Technology, Chennai, India; Department of IT and Engineering, Amity University, Tashkent, India; Department of Artificial Intelligence Engineering, Research Center for AI and IoT, Near East University, Nicosia, Mersin 10, Turkey; Department of Computer Science and Engineering, Amity University, Uttar Pradesh, Noida, India; Department of Computer Science and Engineering, UPES, Dehradun, India	Springer	920854 2	2021		
101	Ganga Devi S.V.S.	Cluster and outlier analysis for ground water quality data in the regions of kadapa district in andhra pradesh	Recent Patents on Engineering	Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, A.P., India	Bentham Science Publishers	187221 21	2021	15	2

102	Tharehalli mata G., Mokenapalli V., Krishna H.	Performance analysis of MR damper based semi- active suspension system using optimally tuned controllers	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering	Department of Mechanical Engineering, Presidency University, Rajanukunte, Yalahanka, Bengaluru, India; Department of Electrical and Electronics Engineering, Madanapalle Institute of Technology and Science, Andhra Pradesh, India; School of Mechanical Engineering, REVA University, Yelahanka, Bengaluru, India	SAGE Publications Ltd	954407 0	2021		
103	Muralidhar Singh M., Kumar H., Sivaiah P.	Alumina thin film coatings at optimized conditions using RF magnetron sputtering process	International Journal of Thin Film Science and Technology	Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India; Department of Petroleum and Earth Sciences, University of Petroleum and Energy Studies, Bidholi, Via Prem Nagar, Dehradun, Uttarakhand, 248007, India	Natural Sciences Publishing	209095 19	2021	10	1

104	Anguraj D.K., Bashar A., Nidhya R., Shimna P.K., V Ravi R.V.	Minimizing path loss and improving security in wireless body area networks	International Journal of Intelligent Unmanned Systems	Koneru Lakshmaiah Education Foundation, Guntur, India; Prince Mohammad Bin Fahd University, Al Khobar, Saudi Arabia; Madanapalle Institute of Technology and Science, Madanapalle, India; Vimal Jyothi Engineering College, Kannur, India; Department of Electronics and Communication Engineering, M.E.A. Engineering College, Malappuram, India	Emerald Group Holdings Ltd.	204964 27	2021		
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105	Dinesh K., Rajakumar R., Subramanian R.	Self-organisation migration technique for enhancing the permutation coded genetic algorithm	International Journal of Applied Management Science	Department of Computer Science and Technology, Madanapalle Institute of Technology and Science, Madanapalle, Chittoor District, Andhra Pradesh, India; Department of Computer Science and Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Chittoor District, Andhra Pradesh, India; Department of Computer Science and Engineering, Pondicherry University, Puducherry, India	Inderscience Publishers	175589 13	2021	13	1
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106	Adigopula V.K., Bogireddy C., Kumar R.	A Study on the Application of Lightweight Deflectometer During the Construction of Low Volume Road in India	Lecture Notes in Civil Engineering	Sr. Assistant Professor, Department of Civil Engineering, Madanapalle Institute of Technology and Sciences, Angallu, Chittoor District, Andhra Pradesh, 517325, India; Assistant Professor, Department of Civil Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad, Telangana, 501218, India; Professor, Department of Civil Engineering, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, 395007, India	Springer Science and Business Media Deutschland GmbH	236625 57	2021	123
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107	Kumar S.A.P., Suresh A., Anand S.R., Chokkanathan K., Vijayasarathy M.	Hybridization of Mean Shift Clustering and Deep Packet Inspected Classification for Network Traffic Analysis	Wireless Personal Communications	Department of Electrical Engineering and Computer Science, Cleveland State University, Cleveland, OH, United States; Department of Computer Science and Engineering, SRM Institute of Science and Technology, Kattankulathur, Chengalpattu, Tamil Nadu, India; Department of CSE, Vemu Institute of Technology, Chittoor, Andhrapradesh, India; Department of Computer Applications, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, 517 325, India; Department of Electronics and Communication Engineering, Indra Ganesan College of Engineering, Manikandam, Tamil Nadu, India	Springer	929621 2	2021		
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108	Al-Amin M., Abdul-Rani A.M., Ahmed R., Rao T.V.V.L.N.	Multiple-objective optimization of hydroxyapatite-added EDM technique for processing of 316L-steel	Materials and Manufacturing Processes	Department of Mechanical Engineering, Universiti Teknologi PETRONAS, Bandar Seri Iskandar, Perak, Malaysia; Department of Chemical Engineering, Universiti Teknologi PETRONAS, Bandar Seri Iskandar, Perak, Malaysia; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science Madanapalle, India	Bellwether Publishing, Ltd.	104269 14	2021	36	10
109	Chaudhary B.P., Shankar R., Mishra R.K.	A tutorial on cooperative non-orthogonal multiple access networks	Journal of Defense Modeling and Simulation	Department of Electronics and Communication Engineering, NIT Patna, Patna, India; Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India; Department of Electronics and Communication Engineering, Manav Rachna University, Faridabad, India	SAGE Publications Inc.	154851 29	2021		

110	Raghav R.S., Prabu U., Rajeswari M., Saravanan D., Thirugnanasambam K.	Cuddle death algorithm using ABC for detecting unhealthy nodes in wireless sensor networks	Evolutionary Intelligence	School of Computing, SASTRA Deemed University, Thanjavur, Tamilnadu, India; Department of CSE, Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, India; Department of Information Technology, Sri Manakula Vinayagar Engineering College, Puducherry, India; School of Computer Science and Engineering, Vellore Institute of Technology, Bhopal, Madhya Pradesh, India; Department of Computer Science and Technology, School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India	Springer Science and Business Media Deutschland GmbH	18645909	2021		
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111	Hemanandh J., Devarajan Y., Mishra R., Meenakshisundaram N.	Experimental investigation on slaughter, fish waste and poultry excrete oil as fuel blends in diesel engine	Biomass Conversion and Biorefinery	School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, India; School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar, Odisha, India; Department of Mechanical Engineering, Misrimal Navajee Munoth Jain Engineering College, Chennai, India	Springer Science and Business Media Deutschland GmbH	219068 15	2021		
112	Ketham R., Althuwayb A.A., Kumar A.	Low-profile Magneto-electric Dipole Antenna	IETE Journal of Research	Madanapalle Institute of Technology and Science Andhra Pradesh, India; Electrical Engineering Department, College of Engineering, Jof University (JU), Saudi Arabia; School of Electronics Engineering, Vellore Institute of Technology, Vellore, India	Taylor and Francis Ltd.	377206 3	2021		

113	Sahoo P.R., Patel A., Ghosh S., Naskar A.K.	Selection of overlapping interactions through approximate decentralised fixed mode measure	International Journal of Systems Science	Department of Electronics Communication Engineering, Madanapalle Institute of Technology Science, Madanapalle, India; Department of Electrical Engineering, Indian Institute of Technology Delhi, New Delhi, India; Department of Electrical Engineering, Indian Institute of Technology (BHU) VaranasiVaranasi, India; Department of Electrical Engineering, National Institute of Technology Rourkela, Rourkela, India	Taylor and Francis Ltd.	207721	2021	52	9
114	Sivaiah P., Revantha Kumar M., Bala Subramanyam S., Prasad K.L.V.	A comparative study on different textured and untextured tools performance in turning process	Materials and Manufacturing Processes	Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, Andhra Pradesh, India	Bellwether Publishing, Ltd.	104269 14	2021	36	8

115	Bhardwaj L., Mishra R.K., Shankar R.	Sum rate capacity of non-orthogonal multiple access scheme with optimal power allocation	Journal of Defense Modeling and Simulation	Department of Electronics and Communication Engineering, NIT Patna, India; Department of Electronics and Communication Engineering, Madanapalle Institute of Technology Science, India; Department of Electronics and Communication Engineering, Manav Rachna University, India	SAGE Publications Inc.	154851 29	2021		
116	Tiwari R., Deshmukh S.	Handover Count Based MAP Estimation of Velocity With Prior Distribution Approximated via NGSIM Data-Set	IEEE Transactions on Intelligent Transportation Systems	Department of Electronics and Communication Engineering, National Institute of Technology at Rourkela, Rourkela 769008, India. He is now with the Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, Madanapalle 517325, India.; Department of Electronics and Communication Engineering, National Institute of Technology at Rourkela, Rourkela 769008, India (e-mail: deshmukhs@nitrkl.ac.in)	Institute of Electrical and Electronics Engineers Inc.	152490 50	2021		

117	Kale S., Chandu M.S.	Dual Metal Gate Dielectric Engineered Dopant Segregated Schottky Barrier MOSFET With Reduction in Ambipolar Current	Silicon	Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, 110042, India; Department of Electronics and Communication Engineering, Madanapalle Institute of Technology & Science, Madanapalle, AP 517325, India	Springer Science and Business Media B.V.	1876990X	2021		
118	Thirugnanasambandam K., Anitha R., Enireddy V., Raghav R.S., Anguraj D.K., Arivunambi A.	Pattern mining technique derived ant colony optimization for document information retrieval	Journal of Ambient Intelligence and Humanized Computing	School of Computers, Madanapalle Institute of Technology and Science, Madanapalle, AP, India; Department of Computer Science and Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP, India; School of Computing, SASTRA Deemed University, Thanjavur, Tamilnadu, India; University College of Engineering Villupuram, Villupuram, India	Springer Science and Business Media Deutschland GmbH	18685137	2021		

119	Manjunath V., Nallabala N.K.R., Yuvaraj C., Kukkambakam C., Kumara V.K., Kumar S., Sharma S., Lakshmaiah M.V., Minnam Reddy V.R.	Statistical analysis of current–voltage characteristics in Au/Ta ₂ O ₅ /n-GaN Schottky barrier heterojunction using different methods	Applied Physics A: Materials Science and Processing	Department of Physics, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh 517502, India; Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India; Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh 517325, India; Department of Physics, Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal, Andhra Pradesh 518501, India; Department of Electronic Science, Kurukshetra University, Kurukshetra, 136119, India; Department of Physics, Sri Krishnadevaraya University, Anantapur, Andhra Pradesh, India; School of	Springer Science and Business Media Deutschland GmbH	947839 6	2021	127	1
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120	Somasekhar G., Krishna K.S., Reddy A.K., Kumar T.K., Somasekhar G.	Shopper segmentation using multivariate risk analysis for innovative marketing strategies	International Journal of Asian Business and Information Management	MIT School of Business, India; Hero Moto Corp Limited, Hyderabad, India; NITTE School of Management, Bangalore, India; Madanapalle Institute of Technology and Science, India	IGI Global	194796 38	2021	12	1
121	Dutt A.K., Sindhuja K., Reddy S.V.N., Kumar P.	Application of Artificial Neural Network to Friction Stir Welding Process of AA7050 Aluminum Alloy	Lecture Notes in Mechanical Engineering	Department of Mechanical Engineering, Madanapalle Institute of Technology and Science, Madanapalle, Chittoor, Andhra Pradesh 517325, India	Springer Science and Business Media Deutschland GmbH	219543 56	2021	23	
122	Kumar P., Choudhury A.R., Basantia S., Dutt A.	Micromechanical Modeling of Ferrite– Austenite Interphase of 23Cr-6Ni-3Mo Duplex Stainless Steel with an Initial Equiaxed Austenite Morphology Using Finite Element Methods	Lecture Notes in Mechanical Engineering	Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India; Indian Institute of Engineering Science and Technology, Shibpur, Shibpur, India	Springer Science and Business Media Deutschland GmbH	219543 56	2021	23	

123	Pavankumar E., Baskaran S., Prithivirajan R., Vinoth Kumar S., Karpagaraj A.	Development of Multi- functioning Organic Waste Shredding Machine for Natural Compost	Lecture Notes in Mechanical Engineering	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India; School of Mechanical Engineering, Shandong University, Jinan, 250061, China; Department of Mechanical Engineering, National Institute of Technology, Patna, India	Springer Science and Business Media Deutschland GmbH	219543 56	2021	23	
124	Sasidhar Reddy K., Sasi Prasad B., Sai Kiran Gowd E., Sekhar Babu A., Santhosh Kumar B., Manoj Kumar R., Baskaran S.	Investigation on Slurry Pot Erosion Wear Behaviour of AA5083 Aluminium Alloy	Lecture Notes in Mechanical Engineering	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, AP, India	Springer Science and Business Media Deutschland GmbH	219543 56	2021	23	
125	Rishikeshan C.A., Rajesh Kumar Reddy C., Nandimandalam M.K.V.	An Improved Approach for Face Detection	Advances in Intelligent Systems and Computing	Department of CSE, Madanapalle Institute of Technology & Science (MITS), Madanapalle, India; Oceanic IT Convergence Technology Research Center, Hoseo University, Asan, South Korea	Springer Science and Business Media Deutschland GmbH	219453 57	2021	1245	

126	Ravi N., Neelima G., Reddy Nallabala N.K., Kummara V.K., Ravanamma R., Reddy V.J., Prasanth M., Suresh K., Babu P., Venkatramu V.	Role of excitation wavelength and dopant concentration on white light tunability of dysprosium doped titania-fluorophosphate glasses	Optical Materials	Department of Physics, Rajeev Gandhi Memorial College of Engineering & Technology, Nandyal, 518501, India; Department of Physics, JNT University, Anantapuramu515002, India; Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, 517 325, India; Laser Applications Research Group, Ton Duc Thang University, Ho Chi Minh City, Viet Nam; Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Viet Nam; Department of Physics, JNTUACE, Kalikiri517234, India; Department of Physics, SVCR Government Degree College, Palamaner517408, India; Department of Physics, Yogi Vemana University, Kadapa, 516 005, India; Department of Physics, Krishna University Dr. MRAR PG Centre, Nuzvid, 521 201, India; Department of H&S (Physics), Nalla Narasimha	Elsevier B.V.	925346 7	2021	111
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127	Sivakumar P., Akkera H.S., Ranjeth Kumar Reddy T., Srinivas Reddy G., Kambhala N., Nanda Kumar Reddy N.	Influence of Ga doping on structural, optical and electrical properties of transparent conducting SnO ₂ thin films	Optik	Department of Physics, School of Engineering, Presidency University, Yelahanka, Bangalore, Karnataka 560064, India; Department of Physics, School of Sciences, Jain Deemed to be University, Bangalore, Karnataka 560011, India; Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, AP 517325, India	Elsevier GmbH	304026	2021	226	
128	Ahmad N., Hasan M.G.	Self-adaptive query- broadcast in wireless ad-hoc networks using fuzzy best worst method	Wireless Networks	Department of Computer Applications, Madanapalle Institute of Technology and Science, Madanapalle, A.P., India; Department of Mathematics, Madanapalle Institute of Technology and Science, Madanapalle, India	Springer	102200 38	2021	27	1

129	Das A., Patel S.K., Arakha M., Dey A., Biswal B.B.	Processing of hardened steel by MQL technique using nano cutting fluids	Materials and Manufacturing Processes	Department of Mechanical Engineering, Madanapalle Institute of Technology and Science AP, India; Mechanical Engineering Department, National Institute of Technology Rourkela, Rourkela, Odisha, India; Department Of Biotechnology, SOA University, Bhubaneswar, Odisha, India; Department of Mechanical Engineering, National Institute of Technology Srinagar, Hazratbal, Kashmir, India; Department of Mechanical Engineering, National Institute of Technology Meghalaya, Shillong, India	Bellwether Publishing, Ltd.	104269 14	2021	36	3
130	Agarwal L., Singh R., Tripathi S.	Structural and Optical Characterization of EZO Thin Film for Application in Optical Waveguide	Lecture Notes in Electrical Engineering	Department of Electronics and Communication Engineering, Madanapalle Institute of Technology and Science, Madanapalle, 517325, India; Department of Electronics and Communication Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, Uttar Pradesh 211004, India	Springer Science and Business Media Deutschland GmbH	187611 00	2021	683	

131	Sivalingam V., Zhuoliang Z., Jie S., Baskaran S., Yuvaraj N., Gupta M.K., Aqib M.K.	Use of Atomized Spray Cutting Fluid Technique for the Turning of a Nickel Base Superalloy	Materials and Manufacturing Processes	School of Mechanical Engineering, Shandong University, Jinan, China; Department of Mechanical Engineering, Madanapalle Institute of Technology Science, Madanapalle, India; Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala RD Institute of Science and Technology Chennai, India	Bellwether Publishing, Ltd.	104269 14	2021	36	3
132	Smilarubavathy G., Nidhya R., Abiramy N.V., Dinesh Kumar A.	Paillier homomorphic encryption with K- means clustering algorithm (phekc) for data mining security in cloud	Lecture Notes in Networks and Systems	Computer Science and Engineering, Dr. N.G.P Institute of Technology, Coimbatore, India; Computer Science and Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andra Pradesh, India; Computer Science and Engineering, KL Deemed to be University, Vaddeswaram, Andhra Pradesh, India	Springer Science and Business Media Deutschland GmbH	236733 70	2021	145	

133	Nidhya R., Shanthi S., Kumar M.	A novel encryption design for wireless body area network in remote healthcare system using enhanced rsa algorithm	Advances in Intelligent Systems and Computing	Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India; Malla Reddy College of Engineering and Technology, Hyderabad, Andhra Pradesh 500050, India	Springer	219453 57	2021	1171	
134	Arunnelliappan T., Baskaran S., Arun S., Prithvirajan R.	Corrosion behaviour of detonation gun sprayed cermet coatings on AA5083	Surface Engineering	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India; Materials Engineering, Indian Institute of Science, Bangalore, India	Taylor and Francis Ltd.	267084 4	2021	37	2
135	Sivaiah R., Ravikumar S., Hemadri Reddy R., Suresh Goud J., Saravana R.	Physical Significance of Rotation and Hall Current Effects on Hemodynamic Physiological Jeffery Fluid with Porous Medium Through a Tapered Channel	Lecture Notes in Mechanical Engineering	Department of Mathematics, School of Advanced Sciences, VIT, 632014, Vellore, India; NBKR Institute of Science & Technology (Autonomous), Vidyanagar, Nellore, 524413, India; Institute of Aeronautical Engineering (Autonomous), Dundigal, Hyderabad, 500043, India; Madanapalle Institute of Technology & Science, Madanapalle, 517325, India	Springer	219543 56	2021		

136	Raghavendra H., Suryanarayana Raju P., Hema Chandra Reddy K.	Parametric Investigation of Beta Type Stirling Engine	Lecture Notes in Mechanical Engineering	Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh, India; Department of Mechanical Engineering, JNTUA College of Engineering, Anantapuramu, Andhra Pradesh, India	Springer	219543 56	2021		
137	Vivekananda G.N., Swathi R., Sujith A.V.L.N.	Multi-temporal image analysis for LULC classification and change detection	European Journal of Remote Sensing	Department of CSE, Madanapalle Institute of Technology Science, Madanapalle, AP, India; Department of CSE, S V College of Engineering, Tirupati, AP, India; Department of CSE, Gates Institute of Technology, Anantapur, AP, India	Taylor and Francis Ltd.	112985 96	2021	54	sup2

138	Padhan S., Das A., Santoshwar A., Dharmendrabhai T.R., Das S.R.	Sustainability Assessment and Machinability Investigation of Austenitic Stainless Steel in Finish Turning with Advanced Ultra- Hard SiAlON Ceramic Tool under Different Cutting Environments	Silicon	Department of Production Engineering, Veer Surendra Sai University of Technology, Burla, Odisha 768018, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, Andhra Pradesh 517325, India; Department of Mechanical Engineering, National Institute of Technology, Rourkela, Odisha 769008, India	Springer Science and Business Media B.V.	187699 0X	2021	13	1
139	Reddy N.N.K., Kukkambakam C., Manjunath V., Reddy V.R.M.	Analysis of Double Gaussian Distribution at the Interface of Ni/Ta ₂ O ₅ /P-Si Schottky Barrier Diodes Using Temperature Dependent Current- Voltage (I-V) Measurements	Silicon	Department of Physics, Madanapalle Institute of Technology and Science, Madanapalle, A.P 517325, India; Department of Chemistry, Madanapalle Institute of Technology and Science, Madanapalle, A.P 517325, India; Department of Physics, Sri Padmavati Mahila Visvavidyalayam, Tirupati, A.P 517 501, India; School of Chemical Engineering, Yeungnam University, Gyeongsan, 38541, South Korea	Springer Science and Business Media B.V.	187699 0X	2021	13	1

140	Devaraj A., Devarajan Y., Vinoth Kanna I.	Investigation on emission pattern of biodiesel and Nano- particles	International Journal of Ambient Energy	Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, India; Department of Mechanical Engineering, Madanapalle Institute of Technology and science, Madanapalle, India	Taylor and Francis Ltd.	143075 0	2021	42	10
141	Devaraj A., Devarajan Y., Vinoth K.I.	Effect of di-ethyl-ether on biodiesel fuelled diesel engine	International Journal of Ambient Energy	Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, India; Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Madanapalle, India	Taylor and Francis Ltd.	143075 0	2021	42	5
142	Rai G.N., Gangadharan G.R., Padmanabhan V., Buyya R.	Web Service Interaction Modeling and Verification Using Recursive Composition Algebra	IEEE Transactions on Services Computing	Madanapalle Institute of Technology and Science, Madanapalle, Andhra Pradesh, India; Idrbt, Hyderabad, Telangana, India; University of Hyderabad, Hyderabad, Telangana, India; University of Melbourne, Melbourne, Parkville, VIC, Australia	Institute of Electrical and Electronics Engineers Inc.	193913 74	2021	14	1