

List of 2019 Publications in SCI/SCOPUS

S. No.	Authors	Title	Year	Name of Journal/Proceeding	Volume	Issue	Page start	Page end	DOI	Document Type	Indexing
1.	Saxena, P., Shukla, P., Gaur, M.S.	Dielectric behavior and structural characterization of polymeric double layer thin films	2019	Journal of Applied Polymer Science	136	27			10.1002/ap.p.47724	Article	SCI
2.	Aggarwal, G., Dai, X., Saatchi, R., Binns, R., Sikandar, A.	Experimental demonstration of single-channel eeg signal using 32 × 32 pixel OLED screen and camera	2019	Electronics (Switzerland)	8	7			10.3390/electronics8070734	Article	SCI
3.	Mehra, P.S., Doja, M.N., Alam, B.	Codebook Authenticated Key Exchange (CAKE) light weight secure routing protocol for WSN	2019	International Journal of Communication Systems	32	3			10.1002/dac.3879	Article	SCI
4.	Ram, M., Kumar, S., Kumar, V., Sikandar, A., Kharel, R.	Enabling green wireless sensor networks: Energy efficient T-MAC using markov chain based optimization	2019	Electronics (Switzerland)	8	5			10.3390/electronics8050534	Article	SCI
5.	Jain, A.K., Kanaujia, B.K., Dwari, S., Pandey, G.P., Singh, D.K.	Wideband circularly polarized magnetolectric dipole antenna with I-slot for C-band applications	2019	Journal of Computational Electronics	18	2	660	670	10.1007/s10825-018-01295-y	Article	SCI
6.	Yadav, P., Agrawal, R.	Network Selection for Maximum Coverage using Regression Analysis in Deep Fading Environment	2019	Wireless Personal Communications	106	3	1057	1074	10.1007/s11277-019-06203-6	Article	SCI
7.	Dwivedi, S.P., Dixit, A., Bajaj, R.	Development of bio-composite material by utilizing chrome containing leather waste with Al ₂ O ₃ ceramic particles	2019	Materials Research Express	6	10			10.1088/2053-1591/ab3f8e	Article	SCI
8.	Dwivedi, S.P., Mishra, A.K., Mishra, V.R.	Effect of MgO addition on physico-chemical, mechanical and thermal behaviour of Al/Si ₃ N ₄ composite material developed via hybrid casting technique	2019	Journal of Ceramic Processing Research	20	6	632	642	10.36410/jcpr.2019.20.6.632	Article	SCI
9.	Dwivedi, S.P., Mishra, V.R.	Physico-Chemical, Mechanical and Thermal Behaviour of Agro-waste RHA-Reinforced Green Emerging Composite Material	2019	Arabian Journal for Science and Engineering	44	9	8129	8142	10.1007/s13369-019-03784-z	Article	SCI

10.	Saxena, A., Kumaraswamy, A., Kotkunde, N., Suresh, K.	Constitutive Modeling of High-Temperature Flow Stress of Armor Steel in Ballistic Applications: A Comparative Study	2019	Journal of Materials Engineering and Performance	28	10	6505	6513	10.1007/s11665-019-04337-z	Article	SCI
11.	Sharma, A., Ansari, N.A., Pal, A., Singh, Y., Lalhriatpuia, S.	Effect of biogas on the performance and emissions of diesel engine fuelled with biodiesel-ethanol blends through response surface methodology approach	2019	Renewable Energy	141		657	668	10.1016/j.renene.2019.04.031	Article	SCI
12.	Sharma, A., Singh, Y., Kumar, N.A.	Effect of fuel injection pressure and timing on Polanga (Calophyllum Inophyllum) biodiesel blends for engine performance and emissions analysis	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	41	24	3046	3057	10.1080/15567036.2019.1583696	Article	SCI
13.	Sharma, A., Singh, Y., Singh, N.K., Singla, A.	Sustainability of jojoba biodiesel/diesel blends for DI diesel engine applications-taguchi and response surface methodology concept	2019	Industrial Crops and Products	139				10.1016/j.indcrop.2019.111587	Article	SCI
14.	Sharma, P.K., Dwivedi, S.P., Kumar, A., Sharma, A.K.	Effect of Magnesium Addition on Mechanical Properties of Al-Fly Ash Green Composite Produced Under Green Ultrasonic Vibration Process	2019	International Journal of Precision Engineering and Manufacturing - Green Technology	6	3	559	566	10.1007/s40684-019-00044-1	Article	SCI
15.	Singh, N., Singh, Y., Sharma, A., Singla, A.	Effect of addition of copper nanoparticles on the tribological behavior of macadamia oil at different sliding speeds	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	41	23	2917	2928	10.1080/15567036.2019.1582734	Article	SCI
16.	Singh, Y., Sharma, A., Tiwari, S., Singla, A.	Optimization of diesel engine performance and emission parameters employing cassia tora methyl esters-response surface methodology approach	2019	Energy	168		909	918	10.1016/j.energy.2018.12.013	Article	SCI
17.	Srivastava, A.K., Nag, A., Dixit, A.R., Hloch, S., Tiwari, S., Scucka, J., Pachauri, P.	Surface integrity in wire-EDM tangential turning of in situ hybrid metal matrix composite A359/B 4 C/Al 2 O 3	2019	Science and Engineering of Composite Materials	26	1	122	133	10.1515/secm-2017-0391	Article	SCI

18.	Srivastava, A.K., Nag, A., Dixit, A.R., Scucka, J., Hloch, S., Klichová, D., Hlaváček, P., Tiwari, S.	Hardness measurement of surfaces on hybrid metal matrix composite created by turning using an abrasive water jet and WED	2019	Measurement: Journal of the International Measurement Confederation	131		628	639	10.1016/j.measurement.2018.09.026	Article	SCI
19.	Verma, A., Pal, A., Dwivedi, S.P., Sharma, S.	Physical, mechanical and thermal behavior of recycled agro waste GSA reinforced green composites	2019	Materialpruefung/Materials Testing	61	9	894	900	10.3139/120.111399	Article	SCI
20.	Yadav, V.K., Srivastava, S., Yadav, V.	Two-dimensional analysis of tapered heat flux burner for measuring laminar burning velocity	2019	Energy Sources, Part A: Recovery, Utilization and Environmental Effects					10.1080/15567036.2019.1683650	Review	SCI
21.	Chaudhary, R., Sharma, S.D., Kumar, N., Aggarwal, S.	Connections between aboodh transform and some effective integral transforms	2019	International Journal of Innovative Technology and Exploring Engineering	9	1	1465	1470	10.35940/ijitee.A4262.119119	Article	SCOPUS
22.	Chauhan, R., Kumar, N., Aggarwal, S.	Dualities between Laplace-Carson transform and some useful integral transforms	2019	International Journal of Innovative Technology and Exploring Engineering	8	12	1654	1659	10.35940/ijitee.L3163.1081219	Article	SCOPUS
23.	Rani, P., Kapoor, E.	New trends in telecommunication	2019	International Journal of Innovative Technology and Exploring Engineering	8	12	1722	1724	10.35940/ijitee.L3198.1081219	Article	SCOPUS
24.	Sharma, S., Vimal	Enhanced ODR reflection by using Sio2 exponentially graded materials for 1D photonic crystals	2019	International Journal of Advanced Science and Technology	28	16	604	610		Article	SCOPUS
25.	Srivastava, V.K.L., Chandra Sekhar Reddy, N., Shrivastava, A.	An effective code metrics for evaluation of protected parameters in database applications	2019	International Journal of Advanced Trends in Computer Science and Engineering	89	13	81	86	10.30534/ijatcse/2019/1681.32019	Article	SCOPUS
26.	Srivastava, V.K.L., Chandra Sekhar Reddy, N., Shrivastava, A.	An efficient software source code metrics for implementing for software quality analysis	2019	International Journal of Emerging Trends in Engineering Research	7	9	216	222	10.30534/ijeter/2019/01792019	Article	SCOPUS
27.	Thakur, G.K., Priya, B., Kumar, S.P.	A novel fuzzy graph theory-based approach for image representation and segmentation via graph coloring	2019	Journal of Applied Security Research	14	1	74	87	10.1080/19361610.2019.1545273	Article	SCOPUS
28.	Thakur, G.K., Priya, B., Mishra, R.K.	An Efficient Coloring Algorithm for Time Detraction of Sign Image Segmentation Based on Fuzzy Graph Theory	2019	Journal of Applied Security Research	14	2	210	226	10.1080/19361610.2019.1581880	Article	SCOPUS

29.	Kumar, A., Kumar, A.	Fabrication of Portable Street Vacuum Cleaner	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/17 57- 899X/691/1 /012048	Conferen ce Paper	SCOPUS
30.	Viladkar, M.N., Singh, M., Samadhiya, N.K.	Liquefaction analysis of metro underground tunnels	2019	Earthquake Geotechnical Engineering for Protection and Development of Environment and Constructions- Proceedings of the 7th International Conference on Earthquake Geotechnical Engineering, 2019			5539	5546		Conferen ce Paper	SCOPUS
31.	Aliyu, A., Abdullah, A.H., Sikandar, A., Joda, U.M., Sadiq, F.I., Ado, A.	Minimizing route coupling effect in multipath video streaming over vehicular network	2019	Communication s in Computer and Information Science	899		139	151	10.1007/97 8-981-13- 2035-4_13	Article	SCOPUS
32.	Kumar, M., Rani, A., Srivastava, S.	Image Forensics Based on Lighting Estimation	2019	International Journal of Image and Graphics	19	3			10.1142/S0 219467819 500141	Article	SCOPUS
33.	Kumar, R., Jain, V., Sharma, P., Awasthi, S., Jha, G.	Prediction of loan approval using machine learning	2019	International Journal of Advanced Science and Technology	28	7	455	460		Article	SCOPUS
34.	Kumar, R., Joshi, S., Awasthi, S.	An intelligent system for audio emotion recognition	2019	International Journal of Advanced Science and Technology	28	7	442	450		Article	SCOPUS
35.	Mehra, P.S., Doja, M.N., Alam, B.	Stability Enhancement in LEACH (SE- LEACH) for Homogeneous WSN	2019	EAI Endorsed Transactions on Scalable Information Systems	6	20			10.4108/eai .13-7- 2018.15659 2	Article	SCOPUS
36.	Mehra, P.S., Doja, M.N., Alam, B.	Enhanced clustering algorithm based on fuzzy logic (E- CAFL) for WSN	2019	Scalable Computing	20	1	41	54	10.12694/s cpe.v20i1.1 443	Article	SCOPUS
37.	Reshu Agarwal, G.L., Mittal, M.	Inventory classification using multilevel association rule mining	2019	International Journal of Decision Support System Technology	11	2	1	12	10.4018/IJ DSST.2019 040101	Article	SCOPUS
38.	Shukla, A.K., Pippal, S.K., Chauhan, S.S.	An empirical evaluation of teaching-learning- based optimization, genetic algorithm and particle swarm optimization	2019	International Journal of Computers and Applications					10.1080/12 06212X.20 19.1686562	Article	SCOPUS
39.	Sikandar, A., Kumar, S., Singh, P., Tyagi, M.K., Kumar, D.	Energy efficient transmission in the presence of interference for wireless sensor networks	2019	Communication s in Computer and Information Science	899		55	64	10.1007/97 8-981-13- 2035-4_6	Article	SCOPUS
40.	Yadav, S.P., Yadav, S.	Fusion of medical images using a wavelet	2019	IEIE Transactions on Smart	8	4	265	271	10.5573/IEI ESPC.2019 .8.4.265	Article	SCOPUS

		methodology: A survey		Processing and Computing							
41.	Awasthi, S., Srivastava, A.P., Srivastava, S., Narayan, V.	A Comparative Study of Various CAPTCHA Methods for Securing Web Pages	2019	2019 International Conference on Automation, Computational and Technology Management, ICACTM 2019			217	223	10.1109/ICACTM.2019.8776832	Conference Paper	SCOPUS
42.	Dhyani, M., Kumar, R.	An intelligent Chatbot using deep learning with Bidirectional RNN and attention model	2019	Materials Today: Proceedings	34		817	824	10.1016/j.matpr.2020.05.450	Conference Paper	SCOPUS
43.	Dwivedy, B., Bhola, A.K., Yadav, S.	Cluster Based Multi Hop Data Dissemination Protocol in V2V Networks using Whale Optimization Technique	2019	2019 International Conference on Automation, Computational and Technology Management, ICACTM 2019			228	231	10.1109/ICACTM.2019.8776703	Conference Paper	SCOPUS
44.	Kumar, R., Amrita, Kumar Mishra, P.	An intelligent computing system to detect material	2019	Materials Today: Proceedings	34		679	683	10.1016/j.matpr.2020.03.332	Conference Paper	SCOPUS
45.	Singh, N., Malik, A., Maini, O., Rajput, G.	Identification of Influence Propagation Metrics in Social Networks	2019	2019 International Conference on Automation, Computational and Technology Management, ICACTM 2019			224	227	10.1109/ICACTM.2019.8776752	Conference Paper	SCOPUS
46.	Sharma, P., Singh, A., Raheja, S., Singh, K.K.	Automatic vehicle detection using spatial time frame and object based classification	2019	Journal of Intelligent and Fuzzy Systems	37	6	8147	8157	10.3233/JIFS-190593	Article	SCOPUS
47.	Sharma, S., Singh, D.K., Awashthi, S.	Experimental analysis on time varied signal for inconsistent traffic in fixed WiMAX network	2019	International Journal of Advanced Science and Technology	28	7	461	471		Article	SCOPUS
48.	Singh, P., Agarwal, R.	A game-theoretic approach to maximise payoff and customer retention for differentiated services in a heterogeneous network environment	2019	International Journal of Wireless and Mobile Computing	16	2	146	159	10.1504/IJWMC.2019.099017	Article	SCOPUS
49.	Tyagi, S.K., Choudhary, S., Khan, N., Kaushik, A.K.	Effect of electromagnetic radiation on human body (By cell phones)	2019	International Journal of Advanced Science and Technology	28	7	451	454		Article	SCOPUS
50.	Padikkapparambil, J., Ncube, C., Singh, K.K., Singh, A.	Internet of things technologies for elderly health-care applications	2019	Emergence of Pharmaceutical Industry Growth with Industrial IoT Approach			217	243	10.1016/B978-0-12-819593-2.00008-X	Book Chapter	SCOPUS

51.	Singh, M., Sachan, S., Singh, A., Singh, K.K.	Internet of Things in pharma industry: Possibilities and challenges	2019	Emergence of Pharmaceutical Industry Growth with Industrial IoT Approach			195	216	10.1016/B978-0-12-819593-2.00007-8	Book Chapter	SCOPUS
52.	Choudhary, S., Purohit, H., Sehgal, A., Kaushik, A.	Performance Study of Detectability of RFID System with Varying Atmospheric Conditions	2019	2019 IEEE 10th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference, UEMCON 2019			940	944	10.1109/UEMCON47517.2019.8993107	Conference Paper	SCOPUS
53.	Choudhary, S., Sharma, L., Kaushik, A.K., Mishra, A.	Novel approach to reduce the replication of information and to increase the reliability of end to end data transmission in WSN	2019	2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019			83	86	10.1109/ICCT46177.2019.8968785	Conference Paper	SCOPUS
54.	Goyal, A., Tirumalasetty, S., Hossain, G., Chaloo, R., Arya, M., Agrawal, R., Agrawal, D., Murala, S.	Development of a Stand-Alone Independent Graphical User Interface for Neurological Disease Prediction with Automated Extraction and Segmentation of Gray and White Matter in Brain MRI Images	2019	Journal of Healthcare Engineering	2019				10.1155/2019/9610212	Conference Paper	SCOPUS
55.	Jain, A.K., Singh, D.K.	A Low Profile Wideband Magneto-Electric Dipole Antenna with Gain Enhancement	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			735	739	10.1109/PEEIC.2018.8665471	Conference Paper	SCOPUS
56.	Krishna, R., Sharma, S.	Polyfunctional Application of Substratum unified Waveguide Cavity in Dielectric Resonating chamber Antenna and Recompose Circuit	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			55	59	10.1109/PEEIC47157.2019.8976830	Conference Paper	SCOPUS
57.	Kumar, C., Tiwari, R.N., Singh, P., Kumar, D.	Compact Circularly Polarized Printed Antenna with Defected Ground Plane for Multiband Applications	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			518	521	10.1109/PEEIC47157.2019.8976632	Conference Paper	SCOPUS
58.	Kumar, N., Ahmad, A., Singh, D.K.	Priority Based Power Allocation in a Mobile Communication Network	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			713	716	10.1109/PEEIC.2018.8665622	Conference Paper	SCOPUS

59.	Kumar, N., Singh, D.K., Sharma, S.	Secret Data Hiding in Image Using AMBTC Technique	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			435	440	10.1109/PE EIC47157. 2019.89766 28	Conferen ce Paper	SCOPUS
60.	Mishra, S., Varshney, P., Choudhary, S., Purohit, R.	Performance Evolution of Conventional and Swarm based Routing Methods in Mobile Ad-Hoc Networks	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			528	531	10.1109/PE EIC47157. 2019.89764 73	Conferen ce Paper	SCOPUS
61.	Purohit, A., Trivedi, R., Choudhary, S.	Nanostructure Materials An Overview of its Properties and Applications	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			356	359	10.1109/PE EIC47157. 2019.89767 25	Conferen ce Paper	SCOPUS
62.	Purohit, H., Kaur, P., Mwebesa, D.B., Choudhary, S., Joshi, K.	Channel Redundancy Analysis and Bandwidth Utilization in GSM Mobile Communication Network of Uganda	2019	2019 IEEE 10th Annual Ubiquitous Computing, Electronics and Mobile Communication Conference, UEMCON 2019			963	967	10.1109/U EMCON47 517.2019.8 992999	Conferen ce Paper	SCOPUS
63.	Rai, A., Hazarika, K., Jain, M.	Adaptive volterra filters for active control of nonlinear noise processes	2019	Lecture Notes in Electrical Engineering	509		229	235	10.1007/97 8-981-13- 0665-5_21	Conferen ce Paper	SCOPUS
64.	Rana, A.K., Krishna, R., Dhwan, S., Sharma, S., Gupta, R.	Review on Artificial Intelligence with Internet of Things - Problems, Challenges and Opportunities	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			383	387	10.1109/PE EIC47157. 2019.89765 88	Conferen ce Paper	SCOPUS
65.	Sehgal, A., Kaushik, A.K., Choudhary, S., Saini, S.	Prewett Edge Detector Method for Content Extraction in Moving Pictures or Images	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			454	457	10.1109/PE EIC47157. 2019.89767 55	Conferen ce Paper	SCOPUS
66.	Singh, D.K., Dwivedi, R., Jain, A.K., Pandey, G.P.	Analysis of Circularly Polarized Rectangular Microstrip Antenna	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			740	745	10.1109/PE EIC.2018.8 665482	Conferen ce Paper	SCOPUS
67.	Sugumaran, S., Sharma, L., Choudhary, S.	Optimized FWM Parameters for FTTH Using DWDM Network	2019	Proceedings of 2019 International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2019			317	322	10.1109/IC CIKE47802 .2019.9004 281	Conferen ce Paper	SCOPUS

68.	Yadav, A.S., Yadav, V.K., Choudhary, S.	Power Enhancement from Solar PV Array Topologies under Partial Shading Condition	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			379	383	10.1109/PEEIC.2018.8665461	Conference Paper	SCOPUS
69.	Yadav, P., Sehgal, M., Sharma, P., Kashish, K.	Design of low-power EEG-based brain-computer interface	2019	Lecture Notes in Electrical Engineering	509		213	221	10.1007/978-981-13-0665-5_19	Conference Paper	SCOPUS
70.	Kaura, S., Rahman, M.M.U., Khan, M.T., Ansari, M.H., Waris, M.N.	Automatic railway bridge for disabled persons	2019	International Journal of Innovative Technology and Exploring Engineering	8	8	588	592		Article	SCOPUS
71.	Kumar, A., Prakash, A., Datta, P., Kumar, R., Sharma, A.G.	Automatic cooking machine using arduino	2019	International Journal of Recent Technology and Engineering	8	2	650	653	10.35940/ijrte.B1659.078219	Article	SCOPUS
72.	Bhadauria, P., Pal, N.S., Singh, J.	Model Order Reduction using Grey Wolf Optimization and Factor Division Method	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			508	512	10.1109/PEEIC47157.2019.8976654	Conference Paper	SCOPUS
73.	Bhadoria, V.S., Jaiswal, S.P., Tayal, A., Singh, J.	Firefly Algorithm for Frequency Controller of Autonomous Hybrid Energy System	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			150	155	10.1109/PEEIC47157.2019.8976786	Conference Paper	SCOPUS
74.	Datta, P., Rohilla, R.	An Introduction to Deep Learning Applications in MRI Images	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			458	465	10.1109/PEEIC47157.2019.8976727	Conference Paper	SCOPUS
75.	Datta, P., Rohilla, R.	Optimization and Performance matrices in 5G Networks	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			312	317	10.1109/PEEIC47157.2019.8976723	Conference Paper	SCOPUS
76.	Gupta, A., Datta, P., Bansal, M., Singh, J.	Electronic waste in India	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			552	555	10.1109/PEEIC47157.2019.8976833	Conference Paper	SCOPUS
77.	Gupta, A., Verma, K., Chauhan, S., Gupta, P.K., Bansal, M.	Future of transportation	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			547	551	10.1109/PEEIC47157.2019.8976469	Conference Paper	SCOPUS

78.	Gupta, M., Banerjee, G.K., Sharma, N.K.	Optimization methods for power system congestion management: - A Study	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			403	408	10.1109/PEEIC.2018.8665423	Conference Paper	SCOPUS
79.	Kaura, S., Chandel, A., Pal, N.K.	Heart disease-Sinus arrhythmia prediction system by neural network using ECG analysis	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			466	471	10.1109/PEEIC47157.2019.8976829	Conference Paper	SCOPUS
80.	Kumar, A., Sadhu, P.K., Raman, R., Singh, J.	Design Analysis of Full-Bridge Parallel Resonant Inverter for Induction Heating Application Using Pulse Density Modulation Technique	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			398	402	10.1109/PEEIC.2018.8665571	Conference Paper	SCOPUS
81.	Kumar, N., Varshney, A., Shrama, K., Prasad, B.	Dual Heuristic programming based controller for deregulated AGC scheme	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			207	212	10.1109/PEEIC47157.2019.8976728	Conference Paper	SCOPUS
82.	Kumar, N., Varshney, A., Shrama, K., Prasad, B.	DHP based controller design for interconnected AGC scheme	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			202	206	10.1109/PEEIC47157.2019.8976721	Conference Paper	SCOPUS
83.	Kumar, R., Shimi, S.L., Kaura, S.	A Novel Topology of Fifteen Level Multilevel Inverter with Harmonic Elimination Using GASHE	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			263	267	10.1109/PEEIC.2018.8665455	Conference Paper	SCOPUS
84.	Kumar, T., Sharma, N.K.	Wireless Street Light Control and Regeneration Process	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			178	180	10.1109/PEEIC.2018.8665608	Conference Paper	SCOPUS
85.	Mehrotra, R., Ansari, M.A., Agrawal, R.	Neural Network and Wavelet-Based Study on Classification and Analysis of Brain Tumor using MR Images	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			264	269	10.1109/PEEIC47157.2019.8976555	Conference Paper	SCOPUS
86.	Pandey, D., Singh, J.	System for Capturing and Utilizing Atmospheric Lightning Energy	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			654	657	10.1109/PEEIC.2018.8665428	Conference Paper	SCOPUS

87.	Priyadarshi, S., Mehrotra, R., Shekhar, S.	Self Control Monitoring Traffic Management System	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			366	370	10.1109/PEEIC47157.2019.8976768	Conference Paper	SCOPUS
88.	Priyadarshi, S., Shekhar, S., Singh, T.K., Gupta, S.K., Bansal, M., Singh, J., Sharma, K.	Intelligent Traffic Control System (ITCS)	2019	2018 International Conference on Sustainable Energy, Electronics and computing System, SEEMS 2018					10.1109/SEEMS.2018.8687368	Conference Paper	SCOPUS
89.	Quadri, A.H., Rizwan, M., Kumar, N., Bansal, M.	Design and Analysis of a RES based Autonomous Hybrid Model for Rural Electrification	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			441	447	10.1109/PEEIC47157.2019.8976778	Conference Paper	SCOPUS
90.	Rai, M., Datta, P., Ansari, R.	An Introduction to Deep Learning Techniques in Ultrasound Image Modality	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			293	298	10.1109/PEEIC47157.2019.8976806	Conference Paper	SCOPUS
91.	Sengar, R.S., Chatterjee, K., Singh, J.	Linear Dynamic System Approximation Using Logarithmic Inverse Distance Measure and Factor Division Algorithm	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			337	342	10.1109/PEEIC.2018.8665433	Conference Paper	SCOPUS
92.	Sengar, R.V.S., Chatterjee, K., Singh, J.	System reduction using modified inverse distance measure and modified Caue continued fraction method	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012006	Conference Paper	SCOPUS
93.	Sengar, R.V.S., Chatterjee, K., Singh, J.	Mixed approach of order reduction for single-input single-output (SISO) systems	2019	Lecture Notes in Electrical Engineering	509		33	44	10.1007/978-981-13-0665-5_4	Conference Paper	SCOPUS
94.	Singh, A.K., Chaturvedi, D.K., Pal, N.K.	PSO based Fractional Order PID Controller for Speed Control of Induction Motor	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			574	576	10.1109/PEEIC47157.2019.8976865	Conference Paper	SCOPUS
95.	Singh, J., Chatterjee, K., Vishwakarma, C.B.	SISO method using modified pole clustering and simulated annealing algorithm	2019	Lecture Notes in Electrical Engineering	509		161	169	10.1007/978-981-13-0665-5_13	Conference Paper	SCOPUS
96.	Singh, J., Jaiswal, S.P., Bhadoria, V.S., Varshney, N., Jain, M.	Production of Bio-Gas and Organic Fertilizer Using Canteen and Kitchen Waste	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			128	131	10.1109/PEEIC47157.2019.8976623	Conference Paper	SCOPUS

97.	Singh, R., Mishra, V.M., Singh, J.	Model Order Reduction via Routh Hurwitz Array and Improved Pade Approximations	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			755	758	10.1109/PE EIC.2018.8 665590	Conferen ce Paper	SCOPUS
98.	Srivastav, S., Kumar, R., Singh, J., Pandey, A.K.	Design and Economic analysis of Wireless Electric Vehicles	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			378	382	10.1109/PE EIC47157. 2019.89765 63	Conferen ce Paper	SCOPUS
99.	Tanveer, M.S., Gupta, S., Rai, R., Jha, N.K., Bansal, M.	Solar based electric vehicle charging station	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			407	410	10.1109/PE EIC47157. 2019.89766 73	Conferen ce Paper	SCOPUS
100.	Yadav, R., Mishra, A., Gupta, S., Singh, J.	Examine robustness of efficiency scores on account of data variation in Data Envelopment Analysis (DEA)	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			476	480	10.1109/PE EIC47157. 2019.89767 59	Conferen ce Paper	SCOPUS
101.	Singh, J.	Convener's Message	2019	2018 International Conference on Power Energy, Environment and Intelligent Control, PEEIC 2018			10		10.1109/PE EIC.2018.8 665644	Editorial	SCOPUS
102.	Tripathi, A., Mishra, K.K., Tiware, S., Vashist, P.C.	Nature inspired optimization algorithm for prediction of "minimum free energy" "RNA secondary structure"	2019	Journal of Reliable Intelligent Environments	5	4	241	257	10.1007/s4 0860-019- 00091-0	Article	SCOPUS
103.	De, P.	Vectorization of Architectural Floor Plans	2019	2019 12th International Conference on Contemporary Computing, IC3 2019					10.1109/IC 3.2019.884 4930	Conferen ce Paper	SCOPUS
104.	Dhiman, S., Gupta, S., Chopra, A., Vashist, P.C.	Home Computerization for the Elderly and Disabled with Internet of Things	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			570	573	10.1109/PE EIC47157. 2019.89764 71	Conferen ce Paper	SCOPUS
105.	Kesarwani, P., Choudhary, A.K., Misra, A.K.	Mean Distance Parameter Based Facial Expression Recognition System	2019	Communication s in Computer and Information Science	835		176	191	10.1007/97 8-981-13- 5992-7_16	Conferen ce Paper	SCOPUS
106.	Raj, S., Panchal, V.K., Vashist, P.C., Chopra, R.	FANETs: Current Trends and Challenges	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			472	475	10.1109/PE EIC47157. 2019.89767 30	Conferen ce Paper	SCOPUS

107.	Srivastava, A.P., Awasthi, S., Kaushik, A.K., Shukla, S.	Fingerprint Recognition System using MATLAB	2019	2019 International Conference on Automation, Computational and Technology Management, ICACTM 2019			213	216	10.1109/ICACTM.2019.8776680	Conference Paper	SCOPUS
108.	Tyagi, N., Rana, A., Kansal, V.	Creating Elasticity with Enhanced Weighted Optimization Load Balancing Algorithm in Cloud Computing	2019	Proceedings - 2019 Amity International Conference on Artificial Intelligence, AICAI 2019			600	604	10.1109/AICAI.2019.8701375	Conference Paper	SCOPUS
109.	Vashist, P.C., Tripathi, A., Choudhary, P.	Effect of Constraint Variation on the Efficiency of Protocols Under Realistic Environment	2019	Advances in Intelligent Systems and Computing	924		89	99	10.1007/978-981-13-6861-5_8	Conference Paper	SCOPUS
110.	Agarwal, M., Dixit, A., Dwivedi, S.P., Mishra, R.K.	Utilization of waste saw dust from wood industry in development of glass fiber epoxy resin hybrid green composite material	2019	Annales de Chimie: Science des Matériaux	43	4	225	334	10.18280/acsm.430405	Article	SCOPUS
111.	Altaf, M., Prakash Dwivedi, S., Shamsh Kanwar, R., Ahmad Siddiqui, I., Sagar, P., Ahmad, S.	Machining Characteristics of Titanium Ti-6Al-4V, Inconel 718 and Tool Steel-A Critical Review	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012052	Conference Paper	SCOPUS
112.	Kumar, S., Gaur, M.S.	Handoff Prioritization to Manage Call Admission Control in Mobile Multimedia Networks for Healthcare	2019	2019 10th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2019					10.1109/ICCCNT.2019.8944618	Conference Paper	SCOPUS
113.	Dwivedi, S.P., Dwivedi, G.	Utilization of RHA in development of hybrid composite by electromagnetic stir casting technique using RSM	2019	Journal of Metals, Materials and Minerals	29	4	45	54	10.14456/jmmm.2019.46	Article	SCOPUS
114.	Dwivedi, S.P., Dwivedi, G.	Utilization of RHA in development of green composite material using RSM	2019	Journal of the Mechanical Behavior of Materials	28	1	20	28	10.1515/jmbm-2019-0004	Article	SCOPUS
115.	Dwivedi, S.P., Dwivedi, G.	Utilization of organic waste and inorganic waste in development of green hybrid composite material	2019	Materials Performance and Characterization	8	1	316	328	10.1520/MPC20190023	Article	SCOPUS
116.	Dwivedi, S.P., Maurya, N.K., Maurya, M.	Assessment of hardness on AA2014/eggshell composite produced via electromagnetic stir casting method	2019	Evergreen	6	4	285	294	10.5109/2547354	Article	SCOPUS

117.	Dwivedi, S.P., Maurya, N.K., Maurya, M.	Effect of uncarbonized eggshell weight percentage on mechanical properties of composite material developed by electromagnetic stir casting technique	2019	Revue des Composites et des Materiaux Avances	29	2	101	107	10.18280/rcma.290205	Article	SCOPUS
118.	Dwivedi, S.P., Pandey, M., Yadav, P., Shahnawaz, M., Singh, A., Yadav, J.	Fabricating copper-based composite by using waste steel chips and TiB ₂ reinforcement material	2019	Clay Research	38	1	12	18		Article	SCOPUS
119.	Dwivedi, S.P., Srivastava, A.K., Maurya, N.K., Maurya, M.	Microstructure and mechanical properties of Al 6061/Al ₂ O ₃ /Fly-Ash composite fabricated through stir casting	2019	Annales de Chimie: Science des Materiaux	43	5	341	348	10.18280/acsm.430510	Article	SCOPUS
120.	Maurya, M., Maurya, N.K., Bajpai, V.	Effect of SiC reinforced particle parameters in the development of aluminium based metal matrix composite	2019	Evergreen	6	3	200	206	10.5109/2349295	Article	SCOPUS
121.	Maurya, N.K., Rastogi, V., Singh, P.	Experimental and computational investigation on mechanical properties of reinforced additive manufactured component	2019	Evergreen	6	3	207	214	10.5109/2349296	Article	SCOPUS
122.	Maurya, N.K., Rastogi, V., Singh, P.	Comparative study and measurement of form errors for the component printed by FDM and polyjet process	2019	Instrumentation Mesure Metrologie	18	4	353	359	10.18280/im.180404	Article	SCOPUS
123.	Singh, N.K., Singh, Y., Kumar, S., Sharma, A.	Comparative study of statistical and soft computing-based predictive models for material removal rate and surface roughness during helium-assisted EDM of D3 die steel	2019	SN Applied Sciences	1	6			10.1007/s42452-019-0545-x	Article	SCOPUS
124.	Singh, Y., Sharma, A., Singh, N., Singla, A.	Effect of alumina nanoparticles as additive on the friction and wear behavior of polanga-based lubricant	2019	SN Applied Sciences	1	3			10.1007/s42452-019-0288-8	Article	SCOPUS
125.	Mishra, S., Sohret, Y., Sanjay, Shukla, A.K.	Conventional and advanced exergy analysis of air-film blade cooled gas turbine cycle	2019	Lecture Notes in Mechanical Engineering			283	296	10.1007/978-981-13-6416-7_27	Book Chapter	SCOPUS
126.	Srivastava, A.K., Nag, A., Dixit, A.R., Tiwari, S., Srivastava, V.S.	Parametric study during abrasive water jet turning of hybrid metal matrix composite	2019	Lecture Notes in Mechanical Engineering			72	84	10.1007/978-3-319-99353-9_9	Book Chapter	SCOPUS

127.	Vats, B.N., Gupta, A., Sharma, G.	Framework the food supply chain network in the present Indian scenario	2019	Lecture Notes in Mechanical Engineering			449	457	10.1007/978-981-13-6412-9_44	Book Chapter	SCOPUS
128.	Yadav, V.K., Khan, A.R., Srivastava, S., Yadav, V.	Experimental, computational, and chemical kinetic analysis to compare the flame structure of methane-air with biogas-H ₂ -Air	2019	Lecture Notes in Mechanical Engineering			259	268	10.1007/978-981-13-6469-3_23	Book Chapter	SCOPUS
129.	Anurag, Kumar, N., Mishra, S.	Slurry erosion: An overview	2019	Materials Today: Proceedings	25		659	663	10.1016/j.matpr.2019.07.717	Conference Paper	SCOPUS
130.	Chaudhary, V., Sahu, R., Manral, A., Ahmad, F.	Comparative study of mechanical properties of dry and water aged jute/flax/epoxy hybrid composite	2019	Materials Today: Proceedings	25		857	861	10.1016/j.matpr.2019.11.053	Conference Paper	SCOPUS
131.	Chauhan, S., Gupta, A., Kumar, C.	A study on buckling of piezoelectric circular cylindrical shell	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012018	Conference Paper	SCOPUS
132.	Chauhan, S.S., Kumar, B., Shankar Singh, P., Khan, A., Goyal, H., Goyal, S.	Fabrication and Testing of Plastic Sand Bricks	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012083	Conference Paper	SCOPUS
133.	Dubey, A., Ahmad Ansari, N., Kumar, G., Arora, A., Sharma, A.	A Review on Performance and Emission of CI Engine using Exhaust gas recirculation (EGR)	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012028	Conference Paper	SCOPUS
134.	Dwivedi, S.P.	Microstructure and mechanical behaviour of Al/B4C metal matrix composite	2019	Materials Today: Proceedings	25		751	754	10.1016/j.matpr.2019.08.244	Conference Paper	SCOPUS
135.	Dwivedi, S.P., Kumar, A.	Development of graphite and alumina reinforced aluminium based composite material	2019	Materials Today: Proceedings	34		825	828	10.1016/j.matpr.2020.05.461	Conference Paper	SCOPUS
136.	Dwivedi, S.P., Sahu, R., Srivastava, A.K., Maurya, N.K., Tyagi, A., Maurya, R.K.	Machining and thermal behaviour of thermal power plant waste reinforced composite material	2019	Materials Today: Proceedings	25		674	678	10.1016/j.matpr.2019.08.027	Conference Paper	SCOPUS
137.	Dwivedi, S.P., Srivastava, A.K., Maurya, N.K., Sahu, R., Tyagi, A., Maurya, R.	Microstructure and mechanical behaviour of Al/SiC/Al ₂ O ₃ hybrid metal matrix composite	2019	Materials Today: Proceedings	25		789	792	10.1016/j.matpr.2019.09.023	Conference Paper	SCOPUS
138.	Gupta, A.	Determination of residual stresses for helical compression spring through Debye-Scherrer ring method	2019	Materials Today: Proceedings	25		654	658	10.1016/j.matpr.2019.07.702	Conference Paper	SCOPUS
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140.	Jaiswal, S.P., Bhadoria, V.S., Agrawal, A., Singh, J.	Virtual Flux and Frequency Meter	2019	2019 2nd International Conference on Power Energy Environment and Intelligent Control, PEEIC 2019			186	189	10.1109/PE EIC47157. 2019.89765 32	Conferen ce Paper	SCOPUS
141.	Kumar Srivastava, A., Gupta, Y., Patel, S., Kumar Tiwari, S., Pandey, S.	Metal matrix composites-a review on synthesis and characterization	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/17 57- 899X/691/1 /012077	Conferen ce Paper	SCOPUS
142.	Kumar, A., Arindam, G., Sudhir, K., Prakash Dwivedi, S.	Grain size and viscosity behaviour of developed agglomerated fluxes during submerged arc welding	2019	Materials Today: Proceedings	34		829	831	10.1016/j.m atpr.2020.0 5.829	Conferen ce Paper	SCOPUS
143.	Kumar, N., Tyagi, A., Yadav, T., Prakash, O., Singh, V., Tiwari, S.	Heat Transfer Analysis of Flat Plate Air Collector	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/17 57- 899X/691/1 /012075	Conferen ce Paper	SCOPUS
144.	Kumar, S., Srivastava, A.K., Singh, R.K., Dwivedi, S.P.	Experimental study on hardness and fatigue behavior in joining of AA5083 and AA6063 by friction stir welding	2019	Materials Today: Proceedings	25		646	648	10.1016/j.m atpr.2019.0 7.535	Conferen ce Paper	SCOPUS
145.	Kumari, A., Mishra, S., Mohapatra, A.K., Sanjay, S.	Energy, Exergy and Emission Performance Analysis of Air- Film Blade Cooled Turbo Prop Turbine for Heavy Duty Cargo Aircrafts	2019	SAE Technical Papers		March			10.4271/20 19-01-1389	Conferen ce Paper	SCOPUS
146.	Maurya, N.K., Maurya, M., Srivastava, A.K., Dwivedi, S.P., Kumar, A., Chauhan, S.	Investigation of mechanical properties of Al 6061/SiC composite prepared through stir casting technique	2019	Materials Today: Proceedings	25		755	758	10.1016/j.m atpr.2019.0 9.003	Conferen ce Paper	SCOPUS
147.	Maurya, N.K., Rastogi, V., Singh, P.	Investigation of dimensional accuracy and international tolerance grades of 3D printed polycarbonate parts	2019	Materials Today: Proceedings	25		537	543	10.1016/j.m atpr.2019.0 6.007	Conferen ce Paper	SCOPUS
148.	Maurya, R.K., Niranjan, M.S.	An experimental analysis of process parameters for EN- 36C alloy steel using CNC lathe - A review	2019	Materials Today: Proceedings	25		773	777	10.1016/j.m atpr.2019.0 9.008	Conferen ce Paper	SCOPUS
149.	Mehra, M., Dwivedi, S.P., Kumar, N., Thukral, N., Singh, Y.	Extraction of collagen from leather waste to develop aluminium based metal matrix composite	2019	Materials Today: Proceedings	25		581	585	10.1016/j.m atpr.2019.0 7.241	Conferen ce Paper	SCOPUS
150.	Mishra, M., Kumar, P.	Experimental Lumped Analysis of Different Solid Geometries	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/17 57- 899X/691/1 /012082	Conferen ce Paper	SCOPUS

151.	Mishra, V.R.	Utilization of waste saw dust in development of epoxy resin hybrid green composite	2019	Materials Today: Proceedings	25		799	803	10.1016/j.matpr.2019.09.030	Conference Paper	SCOPUS
152.	Rathore, S.S., Mishra, S., Paswan, M.K., Sanjay	A Review on Design and Development of Free Piston Linear Generators in Hybrid Vehicles	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012053	Conference Paper	SCOPUS
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154.	Reddy, A.S., Kumar Agarwal, P., Chand, S.	An adaptive multipopulation genetic algorithm for the optimization of active magnetic bearings	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012009	Conference Paper	SCOPUS
155.	Sadriwala, M., Singh, Y., Sharma, A., Singla, A., Mishra, S.	Friction and wear behavior of jojoba oil based biolubricant-Taguchi method approach	2019	Materials Today: Proceedings	25		704	709	10.1016/j.matpr.2019.08.175	Conference Paper	SCOPUS
156.	Saini, V., Tiwari, S., Jain, V.K., Tiwari, G.N.	Performance evaluation of different types PV materials for PVTAC with solar drying system	2019	Materials Today: Proceedings	25		544	550	10.1016/j.matpr.2019.04.225	Conference Paper	SCOPUS
157.	Shankar Srivastava, V., Kumar Singh, S., Vardhan Patel, R., Kumar Singh, R.	Conceptual Investigation of Renewable Energy for Desalination Purposes	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012045	Conference Paper	SCOPUS
158.	Sharma, P., Dabra, V., Dwivedi, S.P.	Wear characteristics of AA2014/10 wt% Al ₂ O ₃ reinforced AMCs	2019	Materials Today: Proceedings	25		931	933	10.1016/j.matpr.2020.03.079	Conference Paper	SCOPUS
159.	Sharma, P., Dwivedi, S.P., Dabra, V., Sharma, N., Sharma, R.	Metallurgical and mechanical description of AA2014/Al ₂ O ₃ reinforced composites	2019	Materials Today: Proceedings	25		942	945	10.1016/j.matpr.2020.03.476	Conference Paper	SCOPUS
160.	Sharma, P., Dwivedi, S.P., Dabra, V., Sharma, N., Sharma, R.	Mechanical behavior of AA2024/SiC AMCs	2019	Materials Today: Proceedings	25		938	941	10.1016/j.matpr.2020.03.467	Conference Paper	SCOPUS
161.	Sharma, P., Dwivedi, S.P., Sharma, R., Dabra, V., Sharma, N.	Microstructural and mechanical behavior of aluminium alloy reinforced with TiC	2019	Materials Today: Proceedings	25		934	937	10.1016/j.matpr.2020.03.084	Conference Paper	SCOPUS
162.	Singh Chauhan, S.	Kinematic and kinetic analysis of knee joint during squatting	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012020	Conference Paper	SCOPUS
163.	Singh, K.K., Bahri, H., Singh, H., Singh, J.	A review of "performance analysis and optimization of car air spoilers"	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012056	Conference Paper	SCOPUS

164.	Singh, N.K., Singh, Y., Kumar, S., Sharma, A.	Predictive analysis of surface roughness in EDM using semi-empirical, ANN and ANFIS techniques: A comparative study	2019	Materials Today: Proceedings	25		735	741	10.1016/j.matpr.2019.08.234	Conference Paper	SCOPUS
165.	Srivastava, A.K.	Assessment of mechanical properties and EDM machinability on A16063/SiC MMC produced by stir casting	2019	Materials Today: Proceedings	25		630	634	10.1016/j.matpr.2019.07.429	Conference Paper	SCOPUS
166.	Srivastava, A.K., Dwivedi, S.P., Maurya, N.K., Kumar, N.	Experimental observations of elements of surface integrity during conventional turning of commercial pure titanium	2019	Materials Today: Proceedings	25		626	629	10.1016/j.matpr.2019.07.379	Conference Paper	SCOPUS
167.	Srivastava, A.K., Singh, R.K., Kumar, S., Dwivedi, S.P., Maurya, N.K., Mishra, S.	Development of duralumin alloy and its microstructural characterization by using grain refiner	2019	Materials Today: Proceedings	25		877	880	10.1016/j.matpr.2019.12.027	Conference Paper	SCOPUS
168.	Srivastava, N., Prakash Dwivedi, S.	Development of Green Hybrid Metal Matrix Composite using Agricultural Waste Bagasse as Reinforcement-A Review	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012051	Conference Paper	SCOPUS
169.	Surana, A.R., Singh, Y., Rajubhai, V.H., Suthar, K., Sharma, A.	Development of mahua oil as a lubricant additive and its tribological characteristics	2019	Materials Today: Proceedings	25		724	728	10.1016/j.matpr.2019.08.191	Conference Paper	SCOPUS
170.	Suthar, K., Singh, Y., Surana, A.R., Rajubhai, V.H., Sharma, A.	Experimental evaluation of the friction and wear of jojoba oil with aluminium oxide (Al ₂ O ₃) nanoparticles as an additive	2019	Materials Today: Proceedings	25		699	703	10.1016/j.matpr.2019.08.150	Conference Paper	SCOPUS
171.	Verma, A., Jha, S.K., Chandra Verma, R., Kumar, N., Ranjan, R., Tiwari, S.	Investigation of Automatic Solar Irrigation Model	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012076	Conference Paper	SCOPUS
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173.	Verma, B., Raj Bundel, B., Sharma, A.	Performance and Emission Characteristics of Combined Biodiesel Blend of Non-Edible Oil in Diesel Engine	2019	IOP Conference Series: Materials Science and Engineering	691	1			10.1088/1757-899X/691/1/012026	Conference Paper	SCOPUS

174.	Yadav, P., Dwivedi, S.P., Shahnawaz, Md., Singh, A., Yadav, J.	Development of copper based composite by stir casting technique	2019	Materials Today: Proceedings	25		649	653	10.1016/j.matpr.2019.07.669	Conference Paper	SCOPUS
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