

HINDUSTAN COLLEGE OF SCIENCE AND TECHNOLOGY, FARAH, MATHURA**3.3.1 Research Paper Publications (Institute Website Links)**

S.No.	Title of Paper	Name of the Author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	LINK
1	Deep learning based computer-aided automatic prediction and grading system for diabetic retinopathy	Munish Khanna, Law Kumar Singh, Shankar Thawkar	Computer Science & Engg.	Multimedia Tools and Applications	2023	1573-7721	View Document
2	PlaNet: a robust deep convolutional neural network model for plant leaves disease recognition	Munish Khanna, Law Kumar Singh, Shankar Thawkar	Computer Science & Engg.	Multimedia Tools and Applications	2023	1573-7721	View Document
3	Deep-learning based system for effective and automatic blood vessel segmentation from Retinal fundus images	Munish Khanna, Law Kumar Singh, Shankar Thawkar	Computer Science & Engg.	Multimedia Tools and Applications	2023	1573-7721	View Document
4	Emperor penguin optimization algorithm- and bacterial foraging optimization algorithm-based novel feature selection approach for glaucoma classification from fundus images	Munish Khanna	Computer Science & Engg.	Soft Computing	2023	1433-7479	View Document
5	Artificial intelligence based medical decision support system for early and accurate breast cancer prediction	Law Kumar Singh, Munish Khanna, Rekha Singh	Computer Science & Engg.	Advances in Engineering Software	2023	0965-9978	View Document

6	A novel approach for human diseases prediction using nature inspired computing & machine learning approach	Munish Khanna	Computer Science & Engg.	Multimedia Tools and Applications	2023	1573-7721	View Document
7	Breast cancer: A hybrid method for feature selection and classification in digital mammography.	Shankar Thawkar, Ajay Parashar	Information Technology	International Journal of Imaging Systems and Technology	2023	1098-1098	View Document
8	Nature-inspired computing and machine learning based classification approach for glaucoma in retinal fundus images	Shankar Thawkar	Information Technology	Multimedia Tools and Applications	2023	1573-7721	View Document
9	Performance of single slope solar still with various operation parameters—An experimental, statistical, and CFD simulation approach toward optimality	Rakesh Prasad	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical	2023	2041-3009	View Document
10	Study of Dielectric behavior of high density polystyrene with agro waste composites	Vinod Kushwah, Suruchi	Physics	Clinical Investigaton	2023	2041-6792	View Document
11	Production of bio-oil from lychee-based biomass through pyrolysis and maximization of bio-oil yield with statistical and machine learning techniques	Yashvir Singh, Deepak Singh, Nishant Kumar Singh, Abhishek Sharma, Erween Abd Rahim, Arunkumar Ranganathan, Pandiarajan Palanichamy, Arkom Palamanit, Sanjeev Kumar	Electrical & Electronics Engineering	Journal of Cleaner Production	2023	137472	View Document

12	A review of Modern Technologies for reduction of dioxins and furans from flue gas emissions of biomedical waste incinerators in Indian Perspective	Sandeep Verma	Chemical Engineering	Pollution Research	2022	0257-8050	View Document
13	A novel multimodality based dual fusion integrated approach for efficient and early prediction of glaucoma	Law Kumar Singh, Khanna, M. & Pooja	Computer Science & Engg.	Biomedical Signal Processing and Control	2022	1746-8108	View Document
14	Performance evaluation of various deep learning based models for effective glaucoma evaluation using optical coherence tomography images	Law Kumar Singh, Pooja, Garg, H	Computer Science & Engg.	<i>Multimedia Tools Application</i>	2022	1573-7721	View Document
15	An Improved Supervised Classification Algorithm in Healthcare Diagnostics for Predicting Opioid Habit Disorder	Khushboo Jain. Poonam Singh, Sanjana Yadav	Computer Science & Engg.	International Journal of Reliable and Quality E-Healthcare (IJRQEH)	2022	2160-9551	View Document
16	Histogram of Oriented Gradients (HOG) Based Artificial Neural Network (ANN) Classifier for Glaucoma Detection	Law Kumar Singh, Khanna Munish	Computer Science & Engg.	International Journal of Swarm Intelligence Research(IJSIR)	2022	1947-9271	View Document
17	A novel hybrid robust architecture for automatic screening of glaucoma using fundus photos, built on feature selection and machine learning-nature driven computing	Law Kumar Singh, Munish Khanna, Shankar Thawkar	Computer Science & Engg.	Expert Systems	2022	1468-0394	View Document

18	Collaboration of features optimization techniques for the effective diagnosis of glaucoma in retinal fundus images	Law Kumar Singh, Munish Khanna, Shankar Thakwar, Rekha Singh	Computer Science & Engg.	Advances in Engineering Software	2022	0965-9978	View Document
19	An IoT based predictive modeling for Glaucoma detection in optical coherence tomography images using hybrid genetic algorithm	Law Kumar Singh, Pooja, Hitendra Garg, Munish Khanna	Computer Science & Engg.	Multimedia Tools and Applications	2022	1573-7721	View Document
20	Deep Learning System Applicability for Rapid Glaucoma Prediction from fundus images across various data sets	Law Kumar Singh, Pooja, Hitendra Garg and Munish Khanna	Computer Science & Engg.	Evolving Systems , springer	2022	1868-6486	View Document
21	Feature selection and classification in mammography using hybrid crow search algorithm with Harris hawks optimization	Shankar Thawkar	Information Technology	Biocybernetics and Biomedical Engineering	2022	0208-5216 2391-467X	View Document
22	Performance Evaluation of Machine Learning Algorithms for Stock Price and Stock Index Movement Prediction Using Trend Deterministic Data Prediction	Shankar Thawkar	Information Technology	International Journal of Applied Metaheuristic Computing (IJAMC)	2022	1947-8291	View Document
23	Experimental Investigation of Different Fineness and Firing Temperatures on Pellets Properties of Different Iron Ore fines from Indian Mines	Rakesh Prasad	Mechanical Engineering	<i>Materials</i>	2022	1996-1944	View Document

24	Tribological study and parameters optimisation of CNT added glass fibre reinforced polymer composite sliding under inert environment	Rajeev Upadhyay	Mechanical Engineering	Advances in materials and manufacturing technologies	2022	2374-0698	View Document
25	Influence of Silver Nanoparticles on Dielectric Properties of Human Blood	M S Gaur	Physics	ECS Journal of Solid State Science and Technology	2022	2162-8777	View Document
26	Investigation of anticorrosion properties of epoxy GO nanocomposites spin coated Aluminum Alloy 7075	M S Gaur	Physics	Polymers and Polymer Composites	2022	1478-2391	View Document
27	Investigation of Structural and Thermal Properties of Graphene Oxide Reinforced Epoxy Nanocomposites	M S Gaur	Physics	ECS Journal of Solid State Science and Technology	2022	2162-8777	View Document
28	Air-gap thermally stimulated discharge currents in PVDF-PMMA double-layered samples	M S Gaur	Physics	Journal of Thermal Analysis and Calorimetry volume	2022	1588-2926	View Document
29	Study of structural, thermal and piezoelectric properties of polyvinylidene fluoride –BaZrO ₃ nanocomposites	M S Gaur	Physics	Journal of Thermal Analysis and Calorimetry	2022	1588-2926	View Document

30	A station crashing-based recursive approach for disassembly line balancing problem in the presence of task failure	Rajeev Kumar Upadhyay	Mechanical Engineering	International Journal of Production Research	2022	1366-588X	View Document
31	Machining characteristics of metal matrix composite in powder-mixed electrical discharge machining-A Review	Rajeev Kumar Upadhyay	Mechanical Engineering	Australian Journal of Mechanical Engineering	2022	2204-2253	View Document
32	Modeling of Kerf width during WEDM of die steel D3	Rajeev Kumar Upadhyay	Mechanical Engineering	Materials Today Proceeedings	2022	2214-7853	View Document
33	Soft computing technique based modelling of ceramics mix electric discharge machining on LM-25/SiC composites	Rajeev Kumar Upadhyay	Mechanical Engineering	Materials Today Proceeedings	2022	2214-7853	View Document
34	Modeling of Surface Quality and Wire Offset during WEDM of Die Steel D3	Rajeev Kumar Upadhyay	Mechanical Engineering	A Journal of Physical Sciences, Engineering and Technology,	2022	22297111	View Document
35	Surface modification of bio degradable materials through PMEDM – A research perspective	Rajeev Kumar Upadhyay	Mechanical Engineering	Materials Today Proceeedings	2022	2214-7853	View Document

36	Tribo-mechanism analysis of epoxidized <i>Putranjiva</i> oil (<i>Putranjiva roxburghii</i>) and understanding lubricity with silicon oxide nanoparticle addition	Nishant K Singh	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	2021	2041-3041	View Document
37	Protein Structure and Function Prediction of SARS-CoV 2: Prospective Antivirus Active Drug Binding Sites	Shivi Sharma	Biotechnology	IOP Conference Series: Materials Science and Engineering	2021	1170a2003S	View Document
38	A Hybrid model using Teaching-learning-based optimization and Salp Swarm Algorithm for Feature Selection and Classification in Digital Mammography	Shankar Thawkar	Information Technology	Journal of Ambient Intelligence and Humanized Computing.	2021	1868-5145	View Document
39	Tribological Characteristics of TiO ₂ Nanoparticles as an Additive to the Chemically Modified Nicotiana Tabacum	Nishant Kumar Singh	Mechanical Engineering	Journal of Bio- and Tribo- Corrosion	2021	2198-4239	View Document
40	Effect of Different Lubricating Environment on the Tribological Performance of CNT Filled Glass Reinforced Polymer Composite	Nishant Kumar Singh	Mechanical Engineering	materials	2021	1996-1944	View Document
41	Effect of SiO ₂ Nanoparticles on the Tribological Behavior of Balanites Aegytiaca (Desert date) Oil-Based Biolubricant	Nishant Kumar Singh	Mechanical Engineering	Journal of Bio- and Tribo- Corrosion	2021	2198-4239	View Document

42	EDD of ceramic composite using modified tool	Nishant Kumar Singh	Mechanical Engineering	MaterialsToday: Proceedings	2021	2214-7853	View Document
43	Performance of CuO nanoparticles as an additive to the chemically modified Nicotiana Tabacum as a sustainable coolant-lubricant during turning EN19 steel	Nishant Kumar Singh	Mechanical Engineering	Wear	2021	1873-2577	View Document
44	Design and analysis of steering knuckle of hybrid metal matrix composite for the fsae vehicle	Nishant Kumar Singh	Mechanical Engineering	Materials Today:	2021	2214-7853	View Document
45	Performance improvement of a sugar mill through EXERGY analysis	Nishant Kumar Singh	Mechanical Engineering	Materials Today:	2021	2214 - 7853	View Document
46	Performance of castor based biodiesel during tribological characterization at different load	Nishant Kumar Singh	Mechanical Engineering	Materials Today:	2021	2214-7853	View Document
47	<i>Experimental investigation of flushing approaches on EDM machinability during machining of titanium alloy.</i>	Rakesh Prasad	Mechanical Engineering	Materials Today: Proceedings	2021	2214-7853	View Document

48	Effect of ZnO nanoparticles concentration as additives to the epoxidized <i>Euphorbia Lathyris</i> oil and their tribological characterization	Nishant Kumar Singh	Mechanical Engineering	Fuel	2021	1873-7158	View Document
49	Experimental Investigation of Non-edible dielectric fluid (Bio-dielectric) in Electrical Discharge Machining process	Nishant Kumar Singh	Mechanical Engineering	Materials Today: proceedings	2021	2214-7853	View Document
50	Micro And Nano-Crystalline Diamond Coatings Of Co-Cemented Tungsten Carbide Tools With Their Characterization	Nishant Kumar Singh	Mechanical Engineering	Journal of Bio-and Tribo-Corrosion	2021	2198-4239	View Document
51	Improvement of process performance of powder mixed electrical discharge machining by optimization-A Review	Nishant Kumar Singh	Mechanical Engineering	Advances in Materials and Processing Technologies	2021	2374-0698	View Document
52	Robustness for Authentication of the Human Using Face, Ear, and Gait Multimodal Biometric System	Law Kumar Singh, Munish Khanna	Computer Science & Engg.	IJISMD, IGI Global	2021	1947-8186	View Document
53	Performance Comparison of Various Algorithms During Software Fault Prediction	Munish Khanna	Computer Science & Engg.	IJGHPC	2021	1938-0259	View Document

54	A Multi-Objective Approach for Test Suite Reduction During Testing of Web Applications: A Search-Based Approach	Law Kumar Singh	Computer Science & Engg.	IJAMC	2021	1947-8283	View Document
55	An enhanced deep image model for glaucoma diagnosis using feature-based detection in retinal fundus	Law Kumar Singh, Munish Khanna	Computer Science & Engg.	MBEC, Springer	2021	1741-0444.	View Document
56	Multi-objective Techniques for Feature Selection and Classification in Digital Mammography	Shankar Thawkar	Information Technology	International journal of intelligent decision	2021	1872-4981	View Document
57	Breast cancer prediction using a hybrid method based on Butterfly Optimization Algorithm and Ant Lion Optimizer	S Thawkar, S Sharma, M Khanna, L kumar Singh	Information Technology	Computers in Biology and Medicine	2021	1879-0534	View Document
58	Radiologist-level two novel and robust automated computer-aided prediction models for early detection of COVID-19 infection from chest X-ray images	M Khanna, A Agarwal, LK Singh, S Thawkar, A Khanna, D Gupta	Information Technology	Arabian Journal for Science and Engineering	2021	2191-4281	View Document
59	Preparation, characterization and microhardness measurements of hybrid nanocomposites based on PMMA+ P (VDF-TrFE) and graphene oxide	Rohan Sagar, MS Gaur, Vinod Kushwah, Aakash Rathore, DG Piliptsov, AA Rogachev	Physics	Polymer Bulletin	2021	0170-0839	View Document

60	Copper nanoparticles-catalys ed reduction of methylene blue and high-sensitive chemiluminescence	Mamta Kushwah, Reetu Yadav, Mulayam Singh Gaur & Anna Nikolaevna Berlina	Physics	International Journal of Environmental Analytical Chemistry	2021	0306-7319	View Document
61	Women as a non-conformist Rebel: Bharti Kherjee Jasmine	Raja Pandey	English	International Journal of English Letters	2021	0972611x	View Document
62	A Ecocritical Analysis Of Kiran Desai's baloo in the guava Orchard	Raja Pandey	English	Journal of Indian Art history Congress	2021	9757945	View Document
63	Study the bio-potential parameter for the detection of seismic and environmental changes in Indian region Seismic And Enviornmental Changes In Indian Region	R.Tiwari, Vijay Katta	Computer Science & Engg.	Journal of Geography and Cartography (2018) Volume 1, EnPress Publisher,UK	2021	2578-1979	View Document
64	Improvement of process performance of powder mixed electrical discharge machining by optimization -A Review	Rajeev Kumar Upadhyay	Mechanical Engineering	Advances in Materials and Processing Technologies	2021	2374-0698	View Document
65	Mechanical characterization of plant fortified fiber polymer composites	Rajeev Kumar Upadhyay	Mechanical Engineering	Materials Today Proceddings	2021	2214-7853	View Document

66	SCBS: A Short Certificate-Based Signature Scheme With Efficient Aggregation for Industrial-Internet-of-Things Environment	Harendra Singh	Mathematics	IEEE: Internet of Things Journal	2021	2327-4662	View Document
67	Study The Bio-potential Parameter For Detection Of Seismic And Enviornmental Changes In Indian Region	Rudraksh Tiwari, Vijay S Katta, Vinod Kumar Kushwah, Mulayam Singh Gaur, Priti Dimri	Physics	Journal of Geography and Cartography, USA	2021	2578-1979	View Document
68	An Artificial Intelligence-Based Smart System for Early Glaucoma Recognition Using OCT Images	Law Kumar Singh, Munish Khanna	Computer Science & Engg.	IJEHMC, Global	2021	1947-315X	View Document
69	Effect of process parameters on the diesel engine performance fuelled with Prosopis juliflora biodiesel response surface methodology approach	Nishant Kumar Singh	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical	2021	0954-4089	View Document
70	Developing model for prediction the quantity of generation of the infectious medical waste for three hospitals in the city of Agra, U.P. (India)	Sandeep Verma	Chemical Engineering	Pollution Research	2020	0257-8050	View Document
71	Performance evaluation of a biomedical waste incinerator on the basis of Mass and energy balance, fuel consumption and cycle time (A case study of biomedical waste incinerator Etmadpur Agra, India)	Sandeep Verma	Chemical Engineering	Ecology, Environment & Conservation Vol 26, PP (S233-S240)	2020	0971-765X	View Document

72	Experimental study of Biomedical waste incinerator using input-output method: A case study of biomedical waste incinerator at Etmadpur,Agra ,India	Sandeep Verma	Chemical Engineering	Ecology, Environment& Conservation Vol 26 , PP (S360-S368)	2020	0971-765X	View Document
73	Performance analysis of machine learning techniques for glaucoma detection based on textural and intensity features	Law Kumar Singh,Munish Khanna	Computer Science & Engg.	IJICA,Inderscience	2020	1751-6498	View Document
74	Detection of Glaucoma in Retinal Images Based on Multiobjective Approach	Law Kumar Singh	Computer Science & Engg.	IJAEC	2020	1942-3594	View Document
75	Design of Residential Fire Alarm System using Wireless Sensor Network	Rupali Mahajan	Electrical & Communcation Engg.	International Journal of Advanced Science and Technology	2020	4308 – 4313	View Document
76	Classification of masses in digital Mammograms using Biogeography-based optimization	Shankar Thawkar	Information Technology	Journal of King Saud university-Computer and Information Sciences	2020	1319-1578	View Document
77	An efficient and provable certificate-based proxy signature scheme for IIoT environment	Harendra Singh	Mathematics	Information Sciences	2020	0020-0255	View Document

78	Analysis of the influence of Blaine no. and firing temperature on the iron ore pellets properties using RSM-I-optimal design – An approach towards suitability	Rakesh Prasad	Mechanical Engineering	Mining Metallurgy & Exploration	2020	2524-3462	View Document
79	Effect of microwave heat hardening on microstructure and strength of coke composed iron ore pellet	Rakesh Prasad	Mechanical Engineering	Materials Today: Proceedings	2020	2214-7853	View Document
80	MICROSTRUCTURE AND PHASE ANALYSIS OF INDURATED IRON ORE PALLET{}	Rakesh Prasad	Mechanical	Materials Today: Proceedings	2020	2214-7853	View Document
81	Application of Taguchi and response surface methodology approach to a sustainable model developed for a compression-ignition engine using polanga biodiesel/diesel blends	Nishant Kumar Singh	Mechanical Engineering	Proceedings of the Institution of Mechanical Engineers, Part I: Journal of Systems and Control	2020	2041-3041	View Document
82	Experimental investigation on electric discharge drilling of titanium alloy (Ti-6Al-4V) with a gas-aided rotary tool	Nishant Kumar Singh	Mechanical Engineering	Sādhanā	2020	0973-7677	View Document
83	Experimental investigation and statistical modeling of air-assisted EDM of Al-SiC composite with an improvised tool	Nishant Kumar Singh	Mechanical Engineering	<i>J Braz. Soc. Mech. Sci. Eng</i>	2020	1806-3691	View Document

84	Diesel engine performance and emission analysis running on jojoba biodiesel using intelligent hybrid prediction techniques	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	1873-7153	View Document
85	Prediction of performance and emission parameters of Kusum biodiesel based diesel engine using neuro-fuzzy techniques combined with genetic algorithm	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	1873-7154	View Document
86	Effect of SiC nanoparticles concentration on novel feedstock <i>Moringa Oleifera</i> chemically treated with neopentylglycol and their tribological behavior	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	1873-7155	View Document
87	Friction and wear behavior of chemically modified Sal (<i>Shorea Robusta</i>) oil for bio based lubricant application with effect of CuO nanoparticles	Shailendra Chaurasia	Mechanical Engineering	Fuel	2020	1873-7156	View Document
88	Effect of design parameters on performance and emissions of DI diesel engine running on biodiesel-diesel blends: Taguchi and utility theory	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	1873-7157	View Document
89	Comparative study of Rotary-EDM, Gas Assisted-EDM, and Gas Assisted Powder Mixed-EDM of the hybrid metal matrix composite.	Nishant Kumar Singh	Mechanical Engineering	Advances in Materials and Processing Technologies	2020	2374-0698	View Document

90	An Environmental-Friendly Electrical Discharge Machining Using Different Sustainable Techniques: A review.	Nishant Kumar Singh	Mechanical Engineering	Advances in Materials and Processing Technologies	2020	2374-0698	View Document
91	Shorea Robusta (Sal): A novel feedstock for bio based lubricant application with effect of SiO2 nanoparticles	Nishant Kumar Singh	Mechanical Engineering	Journal of Bio- and Tribo- Corrosion	2020	2198-4239	View Document
92	A Mathematical Model to Assess the Material Removal Rate during Gas-Assisted Electrical Discharge Drilling Process	Nishant Kumar Singh	Mechanical Engineering	International Journal of Mathematical, Engineering and Management Sciences	2020	2455-7749	View Document
93	<i>Development of Bio-Based Lubricant from Modified Desert Date Oil (Balanites Aegyptiaca) with Copper Nanoparticles Addition and their Tribological Analysis</i>	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	2455-7749	View Document
94	Effective Utilization of tobacco (Nicotiana Tabaccum) for Biodiesel Production and its Application on Diesel Engine Using Response Surface Methodology Approach	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	2455-7750	View Document
95	Chemical modification of Julifora oil with trimethylprpene (TMP) and effect of TiO2 nanoparticles concentration during tribological investigation.	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	2455-7751	View Document

96	Electric discharge drilling with gas-assisted multi-hole slotted tool.	Nishant Kumar Singh	Mechanical Engineering	International journal of Science and Technology, Scientia Iranica,	2020	0799-6632	View Document
97	Effect of SiC nanoparticles concentration on novel feedstock Moringa Oleifera chemically treated with Neopentylglycol and their tribological behavior.	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	2455-7751	View Document
98	Friction and wear behavior of chemically modified Sal (Shorea Robusta) oil for bio based lubricant application with effect of CuO nanoparticles	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	2455-7753	View Document
99	Application of Taguchi and RSM Approach to a Sustainable Model Developed for a CI Engine using Polanga Biodiesel/Diesel Blends.	Nishant Kumar Singh	Mechanical Engineering	Part I: Journal of Systems and Control Engineering	2020	9596518	View Document
100	Influence of dry sliding wear behavior and assessment of properties on treated AISI310 SS material by gas nitriding process	Anand Poras	Mechanical Engineering	Materials Today: proceedings	2020	2214-7853	View Document
101	Modeling and optimization of multi-hole rotary electrical discharge drilling of die steel	Nishant Kumar Singh	Mechanical Engineering	Materials Today: proceedings	2020	2214-7853	View Document

102	Predictive analysis of surface roughness in EDM using semi-empirical, ANN and ANFIS techniques: A comparative study	Nishant Kumar Singh	Mechanical Engineering	Materials Today: proceedings	2020	2214-7853	View Document
103	Comparative Micro Structural Investigation of Al-SiC-Mg and Al-B4C-Mg particulate metal matrix composite	Nishant Kumar Singh	Mechanical Engineering	Annales de Chimie - Science des Matériaux	2020	0151-9107	View Document
104	Integration of GA and neuro-fuzzy approaches for the predictive analysis of gas-assisted EDM responses	Nishant Kumar Singh	Mechanical Engineering	SN Applied Sciences	2020	2523-3971	View Document
105	Performance and emission characteristics of the diesel engine running on neem (Azadirachta indica) biodiesel with effect of exhaust gas recirculation at optimum injection strategies.	Nishant Kumar Singh	Mechanical Engineering	Pollution	2020	2375-4397	View Document
106	Chemical modification of Julifora oil with trimethylprpone (TMP) and effect of TiO2 nanoparticles concentration during tribological investigation	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	2455-7751	View Document
107	Comparative micro structural investigation of Al-SiC-Mg and Al-B4C-Mg particulate metal matrix composite. Annales de Chimie-Science des Materiaux	Nishant Kumar Singh	Mechanical Engineering	IETA	2020	2369-5676	View Document

108	Effect of SiO ₂ nanoparticles on the tribological behavior of Balanites Aegytiaca (Desert date) oil based biolubricant.	Nishant Kumar Singh	Mechanical Engineering	Journal of Bio-and Tribo-Corrosion	2020	2198-4239	View Document
109	Impact of powder additive in liquid and gaseous dielectric fluid on electrical discharge machining through aerospace region application- A review.	Nishant Kumar Singh	Mechanical Engineering	Materials Today: proceedings	2020	2214-7853	View Document
110	Improved lubrication mechanism of the chemically modified mahua (madhuca Indica) oil with the addition of the copper oxide nanoparticles.	Nishant Kumar Singh	Mechanical Engineering	Journal of Bio-and Tribo-Corrosion, 6:94.	2020	2198-4239	View Document
111	Intelligent hybrid approaches for ensuring better prediction of gas-assisted EDM responses.	Nishant Kumar Singh	Mechanical Engineering	SN Applied Sciences	2020	2523-3971	View Document
112	Thermal analysis of polymer blends and double layer by DSC	Pooja Saxena, Prashant Shukla and MS Gaur	Physics	Polymers and Polymer Composite	2020	14782391	View Document
113	Rapid and selective electrochemical detection of pb+2 ions using aptamer-conjugated alloy nanoparticles	Reetu Yadav, Anna N. Berlina, Anatoly V. Zherdev, M.S. Gaur & B.B DZantiev	Physics	S N Applied Sciences	2020	25233971	View Document

114	Electrochemical aptamer biosensor for As ³⁺ based on apta deep trapped Ag-Au alloy nanoparticles-impregnated glassy carbon electrode	Reetu Yadav, Vinod Kushwah, MS Gaur, Seema Bhadauria, Anna N Berlina, Anatoly V Zherdev, BB Dzantiev	Physics	International Journal of Environmental Analytical Chemistry	2020	0306-7319	View Document
115	Sustainable supplier selection under attractive criteria through FIS and Integrated fuzzy MCDM techniques	Rajeev Kumar Upadhyay	Mechanical Engineering	International Journal of Sustainable Engineering.	2020	1939-7046	View Document
116	Intelligent hybrid approaches for ensuring better prediction of gas assisted EDM responses	Rajeev Kumar Upadhyay	Mechanical Engineering	SN Appl. Sci	2020	2523-3971	View Document
117	Reliability –based optimized design of hybrid tether	Rajeev Kumar Upadhyay	Mechanical Engineering	Aircraft Engineering and Aerospace Technology	2020	22667	View Document
118	Moringa Oleifera: Bio based lubricant development from a novel feedstock for tribological characterization.	Nishant Kumar Singh	Mechanical Engineering	Advances in Materials and Processing Technologies	2020	2374-0698	View Document
119	Experimental Investigation for Sustainable Electric Discharge Machining with Pongamia and Jatropha as dielectric medium.	Nishant Kumar Singh	Mechanical Engineering	Advances in Materials and Processing Technologies	2020	2374-0698	View Document

120	Madhuca Indica (Mahua): A novel feedstock for bio based lubricant application treated with trimethylolpropane and tribological analysis.	Nishant Kumar Singh	Mechanical Engineering	Australian Journal of Mechanical Engineering.	2023	2204-2253	View Document
121	Predictive analysis of surface finish in gas assisted electrical discharge machining using statistical and soft computing techniques	Nishant Kumar Singh	Mechanical Engineering	Surface Review and Letters,	2020	0218-625X	View Document
122	Piezoelectric and pyroelectric properties of ceramic nanoparticles-based nanostructured PVDF/PVC blend nanocomposites	Rohan Sagar, MS Gaur, AA Rogachev	Physics	Journal of Thermal Analysis and Calorimetry	2020	1388-6150	View Document
123	Experimental investigation and effects of process parameters on EDM of Al7075/SiC composite reinforced with magnesium particles	Nishant Kumar Singh	Mechanical Engineering	Materials Today Proceedings	2020	2214-7853	View Document
124	Development of bio-based lubricant from modified desert date oil(balanites aegyptiaca) with copper nanoparticles addition and their tribological analysis	Nishant Kumar Singh	Mechanical Engineering	Fuel	2020	1873-7158	View Document
125	Experimental Investigation and Modeling of Surface Finish in Argon-Assisted Electrical Discharge Machining Using Dimensional Analysis	Nishant Kumar Singh	Mechanical Engineering	Arabian Journal for Science and Engineering	2019	2191-4281	View Document

126	Earthquake early warning system	Rupali Mahajan	Electronics & Communication Engineering	IRJET	2019	2395-0056	View Document
127	The suitability of the innovative technology of plasma pyrolysis for disposal of biomedical waste in City of Agra, India	Sandeep Verma	Chemical Engineering	International Journal of Scientific Research Vol-08,issue 01 January 2019,PP 09-12	2019	2277-8179	View Document
128	Sustainability of the Polanga Biodiesel Blends during the Application to the Diesel Engine Performance and Emission Parameters-Taguchi and RSM Approach	Nishant Kumar Singh	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019	1806-3691	View Document
129	Effect of alumina nanoparticles as additive on the friction and wear behavior of polanga-based lubricant	Nishant Kumar Singh	Mechanical Engineering	<i>S N Applied Sciences</i>	2019	2523-3971	View Document
130	Predictive analysis of surface roughness in argon-assisted EDM using semi empirical and ANN techniques.	Nishant Kumar Singh	Mechanical Engineering	SN Appl. Sci.	2019	2523-3971	View Document
131	Production of polanga methyl esters and optimization of diesel engine parameters through response surface methodology approach	Nishant Kumar Singh	Mechanical Engineering	Process Safety and Environmental Protection	2019	0957-5820.	View Document

132	Sustainability of jojoba/diesel blends for DI diesel engine applications-taguchi and response surface methodology concept	Nishant Kumar Singh	Mechanical Engineering	<i>Industrial Crops and Products (Elsevier)</i>	2019	0926-6690	View Document
133	Effect of Addition of Copper Nanoparticles on the Tribological Behavior of Macadamia Oil at Different Sliding Speeds	Nishant Kumar Singh	Mechanical Engineering	<i>Energy Sources Part A: Recovery, Utilization and Environmental Effects</i>	2019	1556-7230	View Document
134	Application of Response Surface Methodology to Optimize Diesel Engine Parameters fuelled with Pongamia Biodiesel/Diesel Blends Energy Sources	Nishant Kumar Singh	Mechanical Engineering	Part A: Recovery, Utilization, and Environmental Effects	2019	1556-7230	View Document
135	Experimental studies on performance and exhaust emission characteristics of a diesel engine fuelled with diesel-linseed oil methyl ester (LOME) blends	Nishant Kumar Singh	Mechanical Engineering	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects,	2019	1556-7230	View Document
136	A semi-empirical model to predict material removal rate during air-assisted electrical discharge machining	Nishant Kumar Singh	Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019	1806-3691	View Document
137	Precursory response of low frequency signals for detection of seismic rapture in Indian region	Vijay Katta	Computer Science & Engg.	IJITEE, Volume-8 Issue-9, July 2019	2019	2278-3075,	View Document

138	Bio synthesis of colloidal AuNPs using thermally assisted pulse sonication method	Mamta Kushwah, Mulayam Singh Gaur, Kavita Arora, Anna N Berlina	Physics	Materials Research Express	2019	2053-1591	View Document
139	Biosynthesis of novel Ag@ Cu alloy NPs for enhancement of methylene blue photocatalytic activity and antibacterial activity	Mamta Kushwah, MS Gaur, Anna N Berlina, Kavita Arora	Physics	Materials Research Express	2019	2053-1591	View Document
140	Rapid visual detection of lead and mercury via enhanced crosslinking aggregation of aptamer-labeled gold nanoparticles	Anna Nikolaevna Berlina, Anatoly Vitalievich Zherdev, Svetlana Mikhailovna Pridvorova, Mulayam Singh Gaur, Boris Borisovich Dzantiev	Physics	Journal of nanoscience and nanotechnology	2019	1533-4880	View Document
141	Enhanced catalytic activity of chemically synthesized Au/Ag/Cu trimetallic nanoparticles	Mamta Kushwah, Seema Bhadauria, Kavita Arora, MS Gaur	Physics	Materials Research Express	2019	2053-1591	View Document
142	Colorimetric technique for antimony detection based on the use of gold nanoparticles conjugated with poly-A oligonucleotide	Anna N Berlina, Nadezhda S Komova, Anatoly V Zherdev, Mulayam S Gaur, Boris B Dzantiev	Physics	Applied Science	2019	2076-3417	View Document
143	Enhanced pyroelectric and piezoelectric properties of PVDF – BaTiO ₃ nanocomposites layered samples	Pramod Kumar Singh, Mulayam Singh Gaur, Dilip Johari, Rohan Sagar, Akash Gupta, Ashutosh Sharma, Govind Singh, Mayank Yadav	Physics	Ferroelectrics	2019	1563-5112	View Document

144	Dielectric, pyroelectric and polarization behavior of polyvinylidene fluoride (PVDF)-gold nanoparticles (AuNPs) nanocomposites	Mamta Kushwah, Rohan Sagar, AA Rogachev, MS Gaur	Physics	vacuum	2019	0042-207X	View Document
145	Dielectric behavior and structural characterization of polymeric double layer thin films	Pooja Saxena, Prashant Shukla, MS Gaur	Physics	Journal of Applied Polymer Science	2019	0021-8995	View Document
146	Study of human blood under influence of magnetic field by AC dielectric and thermally stimulated discharge current methods	Dayal Saran, Rohan Sagar, Mulayam Singh Gaur	Physics	Journal of Thermal Analysis and Calorimetry	2019	1388-6150	View Document
147	An investigation on Transient Current characteristics in polymeric double layer Thin Films	Pooja Saxena, Prashant Shukla, MS Gaur	Physics	Journal of Integrated Science and Technology	2019	2321-4635	View Document
148	Measurement of AC and DC relaxation properties in polyvinyl chloride (PVC) nanocomposites	Rajesh, Dalveer Kaur, MS Gaur, Pankaj Goyal, RK Tiwari, AA Rogachev, AV Rogachev	Physics	Measurement	2019	0263-2241.	View Document
149	Performance comparison of multi-objective algorithms for test case prioritization during web application testing	Munish Khanna	Computer Science & Engg.	Arabian Journal for Science and Engineering	2019	21914281	View Document

150	Cu EDTA and Cu DTPA effects on essential and trace metal uptake by tritium sativum (wheat) with varying combinations of superphosphate and Mussoorie rock phosphate	Suruchi	Chemistry	International Journal of Environmental Engineering,Inde rscience	2018	1756-8471	View Document
151	Biochemical Treatment of Textile Wastewater	Shashi Kant Dubey, Rohit Maurya	Civil Engineering	International Journal for Research in Applied Science and Engineering Technology	2018	2321-9653	View Document
152	Wireless sensor network for disaster mangement	Rupali Mahajan	Electronics & Communication Engineering	Journal of Emerging Technologies and Innovative Research	2018	2349-5162	View Document
153	Classification of Masses in Digital Mammograms using Firefly Based Optimization	Shankar Thawkar	Information Technology	International Journal of Image, Graphics and Signal Processing (IJIGSP)	2018	2074-9074	View Document
154	Classification of masses in digital Mammograms using the Genetic-Ensemble Method	Shankar Thawkar	Information Technology	Journal of Intelligent Systems	2018	2991-026X	View Document
155	An Overview on Image Fusion concept	Kapil joshi , Himanshu Gupta, Sumita Lamba	Information Technology	Journal of Emerging Technologies and Innovative Research	2018	2349-5162	View Document

156	Experimental investigation of process parameters in nitrogen assisted EDM of En19 steel	Nishant Kumar Singh	Mechanical Engineering	International Journal of Applied Engineering Research 13(6), 165-169	2018	0973-4562	View Document
157	Electrical Discharge Drilling of Al-Sic Composite Using Air Assisted Rotary Tubular Electrode	Nishant Kumar Singh	Mechanical Engineering	Materials Today: Proceedings	2018	2214-7853	View Document
158	Comparison of Gas Assisted Hybrid EDM, Rotary EDM and Conventional EDM Processing of High Carbon High Chromium Die Steel	Anand Poras	Mechanical Engineering	International Journal of Engineering & Technology	2018	0975-4024	View Document
159	Experimental Study and Parameter Optimization of Hybrid Electrical Discharge Machining	Nishant Kumar Singh	Mechanical Engineering	International Journal of Engineering & Technology	2018	0975-4024	View Document
160	Optimization of performance and emission parameters of direct injection diesel engine fuelled with pongamia methyl esters-response surface methodology approach	Nishant Kumar Singh	Mechanical Engineering	<i>Industrial Crops and Products (Elsevier)</i>	2018	0926-6690	View Document
161	Comparative investigation on the wear and friction behaviors of carbon fibre reinforced polymor composites under dry sliding,oil lubrication and inert gas environments	Sandeep Agrawal	Mechanical Engineering	Materials Today: Proceedings	2018	2214-7853	View Document

162	Optimization of wear and friction characteristics of Phyllanthus Emblica seed oil based lubricant using response surface methodology	Nishant Kumar Singh	Mechanical Engineering	<i>Egyptian Journal of Petroleum</i> . Vol 27, issue 4, 1145-1155.	2018	1110-0621	View Document
163	Electrical Discharge Drilling of D3 Die Steel using Air Assisted Rotary Tubular Electrode”	Anand Poras	Mechanical Engineering	Materials Today: <i>proceedings</i>	2018	2214-7853	View Document
164	“Electrical Discharge Drilling of Al-Sic Composite Using Air Assisted Rotary Tubular Electrode”	Nishant Kumar Singh	Mechanical Engineering	<i>International Journal of Materials Today</i>	2018	23769-23778	View Document
165	Prospects of Inedible Plant Oil Driven Bio-lubricants for tribological characterstics-A Review	Nishant Kumar Singh	Mechanical Engineering	<i>International journal of ambient energy</i>	2018	2162-8246	View Document
166	Enhancement of β -phase of P(VDF-TrFE)60/40 by BaTiO ₃ nanofiller	Pramod Kumar Singh, M. S. Gaur,	Physics	Ferroelectrics	2018	1563-5112	View Document
167	Enhanced energy storage in polyvinylidene fluoride (PVDF)+ BaZrO ₃ electroactive nanocomposites	Rohan Sagar, Samanvaya Singh Gaur, Andrews Nirmala Grace, MS Gaur	Physics	IONICS	2018	1862-0760	View Document

168	Efficient chemiluminescence by aptamer–reactant platform combination with activated Ag–Au alloy nanoparticles for cobalt detection	Reetu Yadav, Mulayam Singh Gaur, Seema Bhaduria, Anna N Berlina, Boris B Dzantiev	Physics	International Journal of Environmental Analytical Chemistry	2018	3067319	View Document
169	Measurement of thermally stimulated discharge current (TSDC) for detection of thyroid-stimulating hormone (TSH) in human blood	Dayal Saran, Mulayam Singh Gaur	Physics	Journal of Thermal Analysis and Calorimetry	2018	1388-6150	View Document
170	Structure and properties of polyaniline nanocomposite coatings containing gold nanoparticles formed by low-energy electron beam deposition	Surui Wang, AA Rogachev, MA Yarmolenko, AV Rogachev, Jiang Xiaohong, MS Gaur, PA Luchnikov, OV Galtseva, SA Chizhik	Physics	Applied Surface Science	2018	0169-4332	View Document
171	Effect of interface in dielectric relaxation properties of PEMA–BaZrO ₃ nanocomposites	Pramod Kumar Singh, Pankaj Goyal, Ashutosh Sharma, Dalveer Kaur, MS Gaur	Physics	Polymer Bulletin	2018	0170-0839	View Document
172	Investigation of TSDC and dielectric modulus of PVDF–BaZrO ₃ nanocomposites thin film	Rohan Sagar, MS Gaur, BS Bhadoria	Physics	Vacuum	2018	0042-207X	View Document
173	Deterministic Inventory Model for Item with Linear Demand, Variable Deterioration, and Partial Backlogging,	Harendra Singh, Saurabh Srivastava	Mathematics	Int. J. Inventory Research	2018	1746-6970	View Document

174	Provably secure certificate-based proxy blind signature scheme from pairings	Harendra Singh, Girraj Kumar Verma, B. B. Singh	Mathematics	Information Sciences	2018	0020-0255	View Document
175	Bandwidth Efficient Designated Verifier Proxy Signature Scheme for Healthcare Wireless Sensor Networks	Harendra Singh, Girraj Kumar Verma, B. B. Singh,	Mathematics	Ad Hoc Networks	2018	1570-8705	View Document