

Dear Authors of 9th ICMPC, March 2019

Greetings. I would like to thank all of you for submitting your work to the conference (Materials Today: Proceedings). Following is the list of papers considered for oral presentation and publication in Materials Today: Proceedings. If you have registered and your paper is not there in the list, kindly contact immediately to Mrs Tanya, Assistant Prof (icmpc.reg@griet.ac.in, 09642666556) or our support staff Mr. M Mahesh (9959870257). Any registration related query must be resolved with Mrs Tanya. Kindly note that we are not encouraging any corrections in the paper at this moment. If you would like to do some minor changes, do it in between 07 March afternoon to 09 March 2019.

Also we have invited eminent personalities as key note speakers. I request the participants to assemble in the seminar hall well ahead of time. Its for the benefit for all the researchers to develop their research further. During inauguration, I will also share some information that most of the authors keeps on asking throughout the year. So requesting all the participants to be present during inauguration.

Those who would like to chair a session, a request can be sent to swadeshsingh@griet.ac.in

Registered Papers list

S.NO	Paper ID	Author Name	Affiliation	Paper Title
1	101	Omolayo M. Ikumapayi and Esther T. Akinlabi	Department of Mechanical Engineering Science, University of Johannesburg, 2006, South Africa	Recent advances in keyhole defect repairs in friction stir spot welds: a review
2	102	Nursultan Zhumatay, Asma Perveen	Mechanical & Aerospace Engineering Department, Nazarbayev University, Kabanbay Batyr Avenue 53, Astana, 01000, Kazakhstan	Hybrid machining process for microfabrication of micro parts
3	103	Sarah Mohammed Hussein, Mohsin Talib Mohammed	Materials Engineering Department, Faculty of Engineering, University of Kufa, Najaf, Iraq.	Pure and bilayer sol-gel nanolayers derived on a novel Ti surface for load bearing applications
4	104	Vu Ngoc Pi , Luu Anh Tung, Tran Thi Hong, Nguyen Thi Thanh Nga, Le Xuan Hung, Banh Tien Long	Thai Nguyen University of Technology, Thai Nguyen city, Vietnam	An optimization of exchanged grinding wheel diameter when surface grinding alloy tool steel 9CrSi

5	105	Oluwasegun Eso Falodun, Babatunde Abiodun Obadele, Samuel Ranti Oke, Olukayode Samuel Akinwamid and Peter Apata Olubambi	Centre for Nanoengineering and Tribocorrosion, University of Johannesburg, 2006, South Africa	Spark Plasma Consolidation and Wear Behaviour of Nanoceramic addition into Titanium Alloy
6	107	Raad Suhail Ahmed Adnana	Univeristy of Technology –Iraq ,Department of Materials Engineering, 10066 ,Baghdad,Iraq	Effect of Te Addition on Transformation Temperature and Thermal Properties of Cu-14%Al-4.5%Ni Shape Memory Alloy
7	109	Omolayo M. Ikumapayi and Esther T. Akinlabi	Department of Mechanical Engineering Science, University of Johannesburg, 2006, South Africa	Variability in the compositions and the effect of milling time on coal fly ash and wood fly ash nanoparticles: a Comparative study
8	111	Oluwasegun Eso Falodun, Samuel Ranti Oke, Feyisayo Victoria Adams Mahlatse Mphahlele and Peter Apata Olubambi	Centre for Nanoengineering and Tribocorrosion, University of Johannesburg, 2006, South Africa	Synthesis of Ni-Ta on Ti-6Al-4V Alloy Using Spark Plasma Sintering
9	112	Le Xuan Hung, Vu Ngoc Pi , Tran Thi Hong, Le Hong Ky, Vu Thi Lien, Luu Anh Tunga, Banh Tien Long	Thai Nguyen University of Technology, Thai Nguyen city, Vietnam	Multi-objective Optimization of Dressing Parameters of Internal Cylindrical Grinding for 9CrSi Alloy Steel Using Taguchi Method and Grey Relational Analysis
10	113	V. Vijayaraghavan and L.C. Zhang	Laboratory for Precision and Nano Processing Technologies, School of Mechanical and Manufacturing Engineering, The University of New South Wales, NSW 2052, Australia	Computational Modelling of Hybrid Boron Nitride- Carbon Nanosheets
11	117	CH.V. Satyanarayanaraju, Rahul Dixit, Pooja Miryalkar, S.Karunanidhi, A.AshokKumar, J.NagaLakshmi,U.Ramakrish na, R.Mounika, P.Saipavan	Control systems Lab, Research centre Imarat, DRDO Hyderabad	Effect Of Heat Treatment On Microstructure And Properties of High Entropy Alloy Reinforced Titanium Metal Matrix Composites
12	120	F.M. Mwema, E.T. Akinlabi , O.P. Oladijo, Maria P. Nikolova , Emil H. Yankov	Department of Mechanical Engineering Science, University of Johannesburg,Johannesburg 2006, South Africa	Microstructure and mechanical characterization of aluminum thin films on steel substrates
13	129	F.M. Mwema, E.T. Akinlabi, O.P. Oladijo	Department of Mechanical Engineering Science, University of Johannesburg,Johannesburg 2006, South Africa	Micromorphology of sputtered aluminum thin films: A fractal analysis

14	127	Duyen Thi Cam Nguyen, Hanh Thi Ngoc Le, Thuan Van Tran, Oanh Thi Kim Nguyen, Trinh Duy Nguyen, Do Trung Sy, Dai-Viet N. Vo, Tri Duc Lam, Long Giang Bach, Doan Van Thuan	NTT Hi-Tech Institute, Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam	A Simple Route for the Synthesis of Fe/C composite derived from the metal-organic framework MIL-53 (Fe)
15	130	Aigul Nagimova, Asma Perveen	Mechanical & Aerospace Engineering Department, Nazarbayev University, Astana, 010000, Kazakhstan	A review on Laser Machining of hard to cut materials
16	131	Dhruv Anand, Archit Shrivastava , D. Ravi Kumar	Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, 110016, India	Size Effect on Surface Roughness of Very Thin Brass Sheets in Biaxial Stretching
17	134	Samuel Ranti Oke , Oluwasegun Eso Falodun, Avwerosuoghene Moses Okoro, Thato S. Tshephe, Peter Apata Olubambi	Center for Nanoengineering and Tribocorrosion, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, Johannesburg, South Africa	Effect of ZrO2 addition on densification and properties of Spark plasma sintered Ti6Al4V-Ni
18	135	Dr. Akshay S K Naidu	Associate Professor, Department of Civil Engineering, Methodist College of Engineering and Technology (Osmania University), Abids, Hyderabad 500001 INDIA	Characterization of the electromechanical admittance signatures of piezo-impedance transducers based on its location on a beam
19	138	Gurpreet Singh , Amandeep S. Bhui, Yubraj Lamichhane, Prabin Mukhiya, Purushottam Kumar, Bikram Thapa	Mechanical Engineering Department, Beant College of Engineering & Technology, Gurdaspur-143521, Punjab, India	Machining performance and influence of process parameters on stainless steel 316L using die-sinker EDM with Cu tool
20	139	Adarsh Kushwaha, Thrinadh Jadam, Saurav Datta, Manoj Masanta	Department of Mechanical Engineering National Institute of Technology, Rourkela-769008, Odisha, India	Assessment of surface integrity during electrical discharge machining of titanium grade 5 alloys (Ti-6Al-4V)
21	140	Vishal Rastogi, Pawan K Urmaliya , Ajay K Verma, Vikky Kumhar	Department of Mechanical Engineering, FET-SSGI, Shri Shankaracharya Technical Campus, Junwani, Bhilai, Chhattisgarh 490020, India	Free vibration of isotropic and laminated composite plate using three-dimensional finite element analysis
22	142	O.S. Fatoba, S.A. Akinlabi, E.T. Akinlabi	Department of Mechanical Engineering Science, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa	Numerical Modelling and Effects of Reinforcement Addition on the Microstructural Evolution of Additive Manufactured Ti-6Al-4V Alloy
23	152	Le Xuan Hung, Tran Thi Hong, Le Hong Ky, Nguyen Quoc Tuan, Luu Anh Tung,	Thai Nguyen University of Technology, Thai Nguyen, Vietnam	A study on calculation of optimum exchanged grinding wheel diameter when internal grinding

		Banh Tien Long, Vu Ngoc Pi		
24	161	O.S. Fatoba, E.T. Akinlabi, S.A. Akinlabi, S. Krishna	Department of Mechanical Engineering Science, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa	Influence of Rapid Solidification and Optimized Laser Parameters Relationship on the Geometrical and Hardness Properties of Ti-Al-Cu Coatings
25	163	Rajan Kumar, Ravi Kumar Dwivedi, Siraj Ahmed	Maulana Azad National Institute of Technology 462003, Bhopal, India	Wear Characteristics and Temperature Analysis of Alloy Steel Using Self-Developed Wear Testing Machine
26	191	Samuel Olukayode Akinwamide, Neo Tshabalala, Oluwasegun Eso Falodun, Samuel Ranti Oke, Ojo Jeremiah Akinribide, Bolanle Tolulope Abe, Peter Apata Olubambi	Centre for Tribocorrosion and Nanoengineering, University of Johannesburg, Johannesburg 2006 South Africa	Microstructural and corrosion resistance study of sintered Al-TiN in sodium chloride solution.
27	198	Amit Kumar Rana, Sanjib Kumar Acharyya, Sankar Dhar	Department of Mechanical Engineering, Academy of Technology, Aedconagar, Hooghly- 712121, India	A simplified procedure to prediction of ductile failure modes of a SA333 Gr.6 carbon steel pipe: Fracture instability and Plastic collapse condition
28	221	N.Venkata Sairam Kumar, K.S.Sai Ram	Department of Civil Engineering, R.V.R & J.C. College of Engineering, Guntur, Andhra Pradesh, India.	Performance Of Concrete At Elevated Temperatures Made With Crushed Rock Dust As Filler Material
29	222	M. Tukaram bai, Pallam Srivani, P. Noothana, V. Nageswara rao	Assistant Professor, Dept. of chemical Engg., Andhra university, Visakhapatnam 530003, India	Beneficiation of Manganese Ore Using Froth Flotation Technique
30	226	S.Madhavarao, G S V Seshu Kumar, P Ravi Varma, Ch Ramabhadri Raju, M Satish Raja	Assistant professor, Mechanical Department, S R K R Engineering College, Bhimavaram-534204, A.P, India	Investigation On Mechanical Properties Of Dissimilar Friction Stir Welded Joints Of Aa7075 And Aa6061
31	227	Kishore Kumar Kandi, Nagaveni Thallapalli, Mechiri Sandeep Kumar, C.S.P Rao	Department of Mechanical Engineering, CVR College of Engineering, Hyderabad-501510, India	Fabrication and parametric optimization of SiO ₂ -BN gelcast ceramic composites using response surface methodology
32	228	F.M. Mwema, E.T. Akinlabi, O.P. Oladijo	Department of Mechanical Engineering Science, University of Johannesburg, Johannesburg 2006, South Africa	Effect of scan rate on AFM imaging on 3D surface stereometrics of aluminum films

33	229	Vinay Kumar Rai, M.R. Kumar, Vikrant singh, Dheeraj jaiswal, C.K. Behera	Dept of Metallurgical Engg, IIT (BHU), Varanasi 221005, India	Analysis of corrosion behavior and its characterization of In-Sn-Bi alloy
34	230	S. Nalini Jayanthi , N. Bhuvanewari , V. Balaji , R. Poornashri Mathangi , K. Thamizharasan	KCG College of Technology, Chennai-600 095, India.	Dielectric Behavior of NLO Active DL-methionine Doped Copper Sulphate (MCS) Crystal
35	232	Royal Madan, Shubhankar Bhowmick, Kashinath Saha	Department of Mechanical Engineering, National Institute of Technology Raipur (C.G)-492010, India	Limit angular speed of L-FGM rotating disk for both temperature dependent and temperature independent mechanical properties
36	239	Renu prava Dalai	Department of Metallurgical and Materials Engineering, VSSUT Burla, Odisha Burla, India-768017	Effect of inter-critical heat treatment on the microstructure and properties of medium manganese steel
37	240	R.Soundararajan, N.Jayasuriya, Girish Vishnu R.G, Guru Prasad B, C.Pradeep	Associate Professor, Department of Mechanical Engg, Sri Krishna college of Engg and Tech, Coimbatore, India	Appraisal of Mechanical and Tribological Properties on PA6-TiO ₂ Composites Through Fused Deposition Modelling
38	241	Ramanuj Kumar*, Ashok Kumar Sahoo, Purna Chandra Mishra, Amlana Panda, Rabin Kumar Das, Ramai Ranjan Panigrahi	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-24, Odisha, India	Prediction of Machining Performances in Hardened AISI D2 Steel
39	242	B. Praveen Kumar, Dheeraj Joshi, M. Mohith and Nidigonda. Gopikrishna	Assistant Professor, Department of Mechanical Engineering, Talla Padmavathi Engineering College, Warangal. Telangana, India.	Experimental Study of Micro Structural And Anti-Corrosion Behavior of Ni & Ni-Cr Coating On Mild Steel
40	245	Tribedi Sarma, Divya Pandey, Nitin Sahai, Ravi Prakash Tewari	Department of Biomedical Engineering, North East Hill University, Shillong-793022, India	Material Selection And Development Of Ankle Foot Orthotic Device
41	249	Kartik Singh, Ramesh Kumar Nayak and Sushant kumar Sahoo	School of Mechanical Engineering, KIIT, Deemed to be University, Bhubaneswar-751024, India	Improvement of Hardness of Short Fork (6082 Alloy)- A Case Study
42	250	V.Boobesh Nathan, R.Soundararajan, C.Brainard Abraham, Faizur Rahman.A	Assistant Professor, Department of Mechanical Engineering, CSI College Of Engineering, The Nilgiris	Evaluation of Mechanical Properties on Aluminium Hybrid Metal Matrix Composites

43	252	J.Kishore Babu, B.Subba Rao, K.Suresh Mandava Sridhar and KVR Murthy	Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology, Bachupally, Hyderabad, Telangana, India	Photoluminescence study of activator ions (Eu, Tb) co-doped in different host environments (CaO, CaSiO ₃ , CaAl ₂ O ₄ and CaSiAl ₂ O ₆)
44	254	Deepak Mahapatra, Shubhankar Bhowmick, Shubhasish Sanyal	BRSM College of Agricultural Engineering & Technology and Research Station, IGKV, Mungeli CG	A critical study of bending and thermo-mechanical stresses of a FG Timoshenko beam with various boundary conditions
45	255	Niyamat Ullah Khan, S. K. Rajput , Vartika Gupta, Vijay Verma, Tarun Soota	Mechanical Engineering Department, Bundelkhand Institute of Engineering and Technology, Jhansi, 284128, India	To study mechanical properties and microstructures of MIG welded high strength low alloy steel
46	256	P.Sai Shravan Kumar ,K. Viswanath Allamraju	Department of Mechanical Engineering, Institute of Aeronautical Engineering, Hyderabad-500043, India	A Review Of Natural Fiber Composites [Jute, Sisal, Kenaf]
47	260	N. Rahulan , Sundararaman Gopalan, S. Kumaran	Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham, Amritapuri, 690525, India	Effect of Lithium on the Mechanical Behavior of Magnesium
48	261	Deepak Kumar, Pradeep K. Singh	Ph.D. Scholar, Dept. of Mechanical Engineering, Sant Longowal Institute of Engineering & Technology, Longowal, 148106, India	Microstructural and Mechanical Characterization of Al-4032 based Metal Matrix Composites
49	262	N.D.Malleswararao.K, Dr.I.N.Niranjan Kumar	Scholar, Department of Marine Engineering, Andhra University, Visakhapatnam, Andhra Pradesh, India.	Investigation of tribological behaviour of DLC coating on hyper-eutectic Al-Si alloys, a review
50	265	Moaid K Hussain , Falah H. Abdulsadah and Mawlood Maajal Ali	Department of Mechanical Engineering, Z. H. College of Engineering & Technology, Aligarh Muslim University, Aligarh-202002,India	Half-metallic properties of the new Zr ₂ RhB inverse Heusler alloy with CuHg ₂ Ti-type structure
51	267	Hari Raja, Sobhit Saxena, Anjan Sil	Department of Metallurgical and Materials Engineering, Indian Institute of Technology Roorkee-247667, India	Li ₄ Ti ₅ O ₁₂ /AC Hybrid Supercapacitor combining High Power of Supercapacitor and High Energy of Li-ion battery
52	271	Subhadra Sahoo, Subhashree Nayak, Diptikanta Sahoo, Manila Mallik	Department of Metallurgy and Materials Engineering, Veer Surendra Sai University of Technology Burla, Sambalpur, Odisha-768017, India	Corrosion Inhibition Behavior of Dual Phase Steel in 3.5 wt % NaCl Solution by Carica Papaya Peel Extracts
53	272	Ankit Kumar Saxena, Sujeet Kumar Chaubey	Assistant Professor, Department of Mechanical Engineering, IMS Engineering College, Ghaziabad, 201009, India	Effect of Copper and Artificial Ageing on Mechanical Behaviour of Al-6061 Alloy
54	274	Ravinaik Banoth, V. Chandravanshi, A. Bhattacharjee, T.K. Nandy, G.V.S. Nageswara Rao	Department of Metallurgical and Materials Engineering, National Institute of Technology, Warangal 506004, India	Effect of boron and carbon addition on microstructure and tribological properties of metastable beta titanium alloy, Ti-10V-2Fe-3Al

55	275	Shaik Ansar Ali Ahamed, Aruri Devaraju & K V Narasimha Rao	Department of Mechanical Engineering, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur Dist., Andhra Pradesh, 522502, India.	Impact of Finer granules on Tensile & Micrograph characterization of Solid welded AA2014
56	279	A.K.Rana, J.Sethia, D.P.Tiwari, A.Sarkar, J.Santra, S.Kundu, P.P.Dey	Department of Mechanical Engineering, Academy of Technology, Aedconagar, Hooghly- 712121, India	Investigation of Flow Behavior and Plastic Strain Distribution of Dual Phase Steel in Bending Under Tensile Loading
57	281	K. Sekar , P. Vasanthakumar	Department of Mechanical Engineering, National Institute of Technology Calicut, Kerala 673601, India.	Mechanical properties of Al-Cu alloy metal matrix composite reinforced with B4C, Graphite and Wear Rate Modeling by Taguchi Method
58	287	Aruri Devaraju, M Jeshrun Shalem & B Manichandra	Department of Mechanical Engineering, S R Engineering College, Warangal T.S., India	Effect of Rotation speed on Tensile Properties & Microhardness of Dissimilar Al Alloys 6061-T6 to 2024 -T6 Welded via Solid State Joining Technique
59	289	B.V.R.Reddy, Ishwar Mazumdar, Jitumoni Choudhury, Rituraj, Kuldeep Kumar, S.R.Maity, K.M.Pandey	Department of Mechanical Engineering, National Institute of Technology, Silchar, Assam, India-788010.	Effect of cold rolling on the porosity ,hardness properties of the spray deposited Al-18%Pb and Al- 22%Pb alloys
60	290	R.Poornashri Mathangi*, A.R.Prabakaran, S.Nalini Jayanthi and K.Thamizharasan	Department of Physics, Pachayappa's College, Chennai-600030, India.	Structural, Optical, Mechanical and Laser Damage Threshold Studies on an active Nonlinear Optical Material: Potassium Thiourea Bromide (KTB) in a Novel Crystal System
61	301	Satyabrata Satyajit Sahoo, Pankaj Kumar, Sai Manish B, Akhilendra Singh	Department of Mechanical Engineering, Indian Institute of Technology Patna, India	Strain controlled low cycle fatigue properties of stepped aging heat treated AA5754
62	302	Ved Prakash and D. Ravi Kumar	Department of Mechanical Engineering, Indian Institute of Technology Delhi, New Delhi, India	Numerical simulation of warm deep drawing incorporating strain rate effect in sheet material properties
63	303	Sandeep Pandre, Prathamesh Takalkar, Nitin Kotkunde, Swadesh Kumar Singh, Ahsan Ul Haq	Department of Mechanical Engineering, BITS Pilani Hyderabad Campus, Jawahar Nagar, Hyderabad- 500078, Telangana, India	Influence of temperatures and strain rates on Tensile Deformation Behaviour of DP 590 Steel
64	305	Kuldeep kumar , Anshul sharma , Abhishek bharti , Akash bansal , Ashish kumar , Bhaskar Chandra Kandpal , Nilesh Ramdas	Department of Mechanical Engineering, Inderprastha engineering college, Ghaziabad, U.P, India.	Machining response in turning stir cast aluminium alloy based metal matrix composite

65	306	S.R.. Banik, I.M.Iqbal, R.Nath, L.J. Bora, B.K. Singh, N.Mandal, M.R.Sankard	Department of Mechanical Engineering, National Institute of Technology Silchar-788010, India	State of art on Zirconia Toughened Alumina Cutting Tools
66	308	Priyaranjan Samal , Pandu R. Vundavilli, Arabinda Meher, Manas Mohan Mahapatra	School of Mechanical Sciences, Indian Institute of Technology, Bhubaneswar, 752050, India	Fabrication and mechanical properties of titanium carbide reinforced aluminium composites
67	312	MA Wahed,AK Gupta,SK Singh, NR Kotkunde	Bits hyd	Development of hardening models for Ti-6Al-4V alloy at elevated temperatures
68	320	Aditya N. Chaudhari , Kartikey Dixit, Gursimer S. Bhati, Bharat Singh, Piyush Singhal, Kuldeep K Saxena	Department of Mechanical Engineering, Institute of Engineering and Technology, GLA University Mathura, 281406, U.P., India	Welding Behaviour of Duplex Stainless Steel AISI 2205: A Review
69	322	Lokeswar Patnaik, Saikat Ranjan Maity, Sunil Kumar	Department of Mechanical Engineering, National Institute of Technology, Silchar- 788010, India	A Review on Slug Reversal During Punching And Blanking
70	323	Vikas Khatkar, Sakthi Vijayalakshmi AG, Manjunath R N, B K Behera	Department of Textile Technology, Indian Institute of Technology Delhi- New Delhi (INDIA)-110016	Formability Behaviour of 3D Solid Woven Orthogonal Structures with Varying Stuffer Binder Ratio
71	325	C.Anand Badrish, Nitin Kotkunde ,Omkar Salunke, Swadesh Kumar Singh	Department of Mechanical Engineering, BITS Pilani, Hyderabad, Telangana, 500078, India	Study of Anisotropic Material Behavior for Inconel 625 Alloy at Elevated Temperatures
72	327	B.V.R.Reddy, Ishwar Mazumdar, S.R.Maity, K.M.Pandey	Department of Mechanical Engineering, National Institute of Technology, Silchar, Assam, India-788010	Effect of Cold rolling on Microstructural properties of spray deposited Al-%18Pb and Al-%22Pb alloys
73	328	M Sandeep, L Jayahari, K. Satyanarayana*, V Vinod Kumar, M Dinesh	griet,hyd	Evaluation and Optimization of Tensile Strength Responses of copper at subzero temperature Using Taguchi Robust Design
74	330	P. Ramanjaneyulu, P. Venkataramaiah, K. Dharma Reddy	M.Tech, Production Engineering, Department of Mechanical Engineering, SVU College of Engineering, Tirupati – 517502, INDIA	Multi parameter optimization of deep drawing for cylindrical cup formation on brass sheets using Grey Relational Analysis
75	331	Prafull. S. Thakare, Sandip M. Salodkar, C.C.Handa	Ph.D.Scholar, Department of Mechanical Engineering, KDKCE, Nagpur, India 440 009	Experimental Investigation of Three-Roller Bending Operation for Multi-Pass Cylindrical Forming of Plates
76	335	Md Ahsan ul haq, K. Ajay Kumar, D. Baloji, M T naik, Swadesh Kumar singh, N. Nitin	griet,hyd	Comparison of formability of ASS316L from Room Temperature to Superplastic Region

77	336	B V S RAO	Assistant professor ,Department of Mechanical Engineering , ChaitanyaBharathi Institute Of Technology, Hyderabad	Determination Of Formability Of Bimetallic Sheet Using Forming Limit Diagram
78	342	D. Baloji, Md Ahsan ul haq, V Thirumala Rao, Tanya Buddi*, M T naik, Swadesh Kumar singh	Assistant professor ,Department of Mechanical Engineering , Gokaraju Rangaraju Institute of Enginerring and Technology, Hyderabad	Evaluation and Optimization of Tensile Strength Responses of ASS 316L at super plastic temperature Using Taguchi Robust Design
79	346	Gauri Mahalle, Nitin Kotkunde , Amit Kumar Gupta and Swadesh Kumar Singh	Department of Mechanical Engineering, BITS Pilani, Hyderabad, Telangana, 500078, India	Cowper-Symonds Strain Hardening Model for Flow Behaviour of Inconel 718 Alloy
80	350	Navneet Khanna , Chetan Agrawal, Prassan Shah, Johan Øllgaard Larsen, Vaibhav A Phadnis	Department of Mechanical Engineering, IITRAM, Ahmedabad 380026, Gujarat, India	Eco-friendly machining using retrofitted cryogenic machining system
81	502	Rajkumar Sharma , Piyush Singhal	Department of Mechanical Engineering, GLA University, Mathura 281406, India	Demand forecasting of engine oil for automotive and industrial lubricant manufacturing company using neural network
82	503	Nishant Ranjan, Rupinder Singh, IPS Ahuja	Production Engineering Department, Guru Nanak Dev Engineering College, Ludhiana-141006, India	Investigations for mechanical properties of PLA-HAp-CS based functional prototypes
83	504	Vindala Poojitha,T.Raghu,V.Panduran gadu	Defence Metallurgical Research Laboratory, Kanchanbagh, Hyderabad, 500058, India	Microstructure evolution and mechanical behaviour of pure aluminium and aluminium alloys processed through constrained groove pressing
84	505	Hoang Xuan Tu, Nguyen Quoc Tuan, Le Hong Ky, Tran Thi Hong, Luu Anh Tung, Jun Gong, Vu Ngoc Pi	Thai Nguyen University of Technology, Thai Nguyen city, Vietnam	Determination of optimum exchanged grinding wheel diameter when external grinding stainless steels
85	507	Hridayjit Kalita, Kaushik Kumar	Research Scholar, Dept. of Mechanical Engg., Birla Institute of Technology, Mesra, Ranchi, INDIA	Significance of Slip Line Field Model in Accommodating All Machining Complex Behaviour
86	508	Vikas Sharma, Dr.Joy Prakash Misra	Department of Mechanical Engineering, GLA University, Mathura,281406 India,	Optimization of process parameters on Combustor Material Using Taguchi & MCDM Method in Electro-Discharge Machining (EDM)
87	510	Santosh Kumar Sahu, Thrinadh Jadam, Saurav Datta	Department of Mechanical Engineering VSSUT, Burla, Sambalpur, Odisha-768018, INDIA	Performance of dielectric media (conventional EDM oil and distilled water) during machining of Inconel 825 super alloy

88	515	S. S. Sravanthi, Swati Ghosh Acharyya, Praveen Chapala	School of Engineering Sciences and Technology, University of Hyderabad, Hyderabad, 500046, India.	Effect of GMAW-brazing and Cold Metal Transfer Welding Techniques on the corrosion behaviour of Aluminium-Steel lap joints
89	519	Smrutirekha Pani, Manoj Masanta	Department of Mechanical Engineering, College of Engineering and Technology, Bhubaneswar-751003, India	Experimental Analysis of AA6063 Aluminium Alloy Machining by EDM with Hexagonal Shaped Tool Electrode
90	520	J. Das, S.R. Banik, S.R.S.K. Reddy, M.R. Sankar , P.S. Robi	Department of Mechanical Engineering, Indian Institute of Technology, Guwahati, Guwahati-781039, India	Review on process parameters effect on fatigue crack growth rate in friction stir welding
91	524	Asif Ahmad, Shahnawaj Alam	Assistant Professor, Department of Mechanical Engineering, Pranveer Singh Institute of Technology, Kanpur, 209305, Uttar Pradesh-India	Parametric optimization of TIG welding using Response Surface Methodology
92	525	Diptikanta Das , Devashish Kumar Roy, Mantra Prasad Satpathy, Basanta Kumar Nand	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-751024, India	Compressive, impact and flexural behaviour of Al based metal matrix composites
93	526	P.Umamaheswarrao, D.Ranga Raju, KNS Suman, B.Ravi Sankar	Department of Mechanical Engineering, Bapatla Engineering college, Bapatla, A.P India	A Brief Note on the Application of Surface Defect Machining for Hard Turning
94	530	Nambula Harshith, Yerramachu Devendra T Jagadesh	Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham, Amritapuri, India	Investigations into surface integrity and cylindricity error during peck drilling of aerospace alloy using graphite, MOS2 and blasocut lubricant
95	534	Nilkumar Prajapati, Ankit Kumar Pandey, and P. P. Date	Department of Mechanical Engineering, Indian Institute of Technology, Bombay, Powai, Mumbai, India-400076	Sustainable manufacturing process for recycling of aluminum alloy waste into direct product by high-pressure torsion process
96	536	S Rajamanickam ,J Prasanna	Research scholar, Department of Mechanical Engineering, CEG, Anna University, Chennai 600025, India	Multi Objective Optimization during Small Hole Electrical Discharge Machining (EDM) using TOPSIS
97	537	D.K.Jesthi, R.K. Nayak, B.K.Nanda, D. Das	School of Mechanical Engineering, KIIT, Deemed to be University, Bhubaneswar-751024	Assessment of Abrasive Jet Machining of Carbon and Glass Fiber Reinforced Polymer Hybrid Composites
98	540	Renu.K.Shastri , Chinmaya P. Mohanty, Prashant S. Jadhav	School of Mechanical and Civil Engineering, MITAOE, Pune, 412105, India	Study of the Effect of Cryogenically treated tools during Rapid Drill Electro-discharge machining of Ti-6Al-4V alloy
99	541	Deepika Shaw, Chikesh Ranjan	Dept. of Mechanical Engineering, RTC Institute of Technology, Anandi, Ormanjhi, Ranchi, 835213, India	Design and Development of Vacuum Operated Vertical Wall Climber System

100	544	Soumik Roy , Sudipta Chand, Ramanuj Kumar, Rabin Kumar Das	School of Mechanical Engineering, Kalinga Institute of Industrial Technology Deemed to be University, Bhubaneswar, Odisha, India	A Brief Review on Machining Operations Conducted Using Different Machining Inserts Under Minimum Quantity Lubrication Environment
101	549	Alok Ranjan Pradhan, Sarojrani Pattnaik, Mihir Kumar Sutar	Veer Surendra Sai University of Technology, Burla, Odisha-768018, India	Improving the Filling System for a Defect Free Casting: A Review
102	550	Vikrant Charak, Amit Kumar Sinha	School of Mechanical Engginerring, Shri Mata Vaishno devi University, katra, Jammu and kashmir, India-182320	Divergent Linkage Reconfigurable Mould for Rapid Prototyping
103	551	Sampath Velpula, K.Eswaraiah, S.chandramouli	Assistant Professor, Department of Mechanical Engineering, VBIT Medchal-501301, India	Prediction Of Electric Discharge Machining Process Parameters Using Artificial Neural Network
104	552	M.R. Kumar,, Vikrant Singh, Vinay Kumar Rai, Dheeraj jaiswal, C.K. Behera	Dept of Metallurgical Engg, IIT (BHU),Varanasi - 221005,India	Investigation on mixing heat effect of Bi-In and In-Sn system at 730 K
105	554	Pai Namit Narasimhan, Shivansh Mehrotra, Avinash Ravi Raja, Meghanshu Vashista and Mohd Zaheer Khan Yusufzai	Department of Mechanical Engineering, PDPM IITDM, Jabalpur - 482005, India	Development of hybrid welding processes incorporating GMAW and SMAW
106	556	Arka Mondal, , Prithwiraj Roy, Souren Mitra	Jadavpur University,188 Raja S.C. Mallick Road, Kolkata-700032, India	Experimental Study of Machining Characteristics of Ti6Al4V in EDM Using Tapered Tool
107	558	Sarada Prasad Parida, Pankaj Charan Jena	Department of Production Engineering, Veer Surendra Sai University of Technology, Burla, Odisha, India-768018	An Overview: Different Manufacturing Techniques used for Fabricating Functionally Graded Material
108	559	Syed Irfan S, Vijay Kumar M, Rudresha N	JNTUH,Assistant Professor,Mechanical Dept,SPHN,Hydrabad,501510,India	Optimization Of Machining Parameters In Cnc Turning Of En45 By Taguchi's Orthogonal Array Experiments
109	603	Bharat Singh , Piyush Singhal, Kuldeep K Saxena	Department of Mechanical Engineering, Institute of Engineering and Technology, GLA University Mathura, 281406, U.P., India	Investigation of Thermal Efficiency and Depth of Penetration during GTAW Process
110	607	Kamal Kumar , Uma Batra	Department of Mechanical Engineering, Punjab Engineering College, Chandigarh, India-160012	Fabrication of High Aspect Ratio WC-Co Micro Electrodes for μ -EDM Application
111	610	Jeeoot Singh , Tripti Agarwal, Sashi Yadav	Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur(U.P)-273010, India	Study of Vertex Shedding Phenomenon in Vortex Flow Meter

112	611	Jitendra Kumar, Tarun Soota, S.K. Rajput	Bundelkhand Institute of Engineering and Technology, Jhansi, 284128,U.P.,India.	Modelling and optimization of EN 31 work material on wire electric discharge machining
113	615	B K Nanda , Diptikanta Das, R K Nayak, S. B. Mishra,B.C Routara, and D.Dhupal	KIIT Deemed to be University, Bhubaneswar-751024, India	Fluidised Bed Hot Abrasive Jet Machining of Borosilicate Glass with Zircon Sand
114	617	K. Aruna Prabha, Balla Srinivasa Prasad	VNRVJIET,Bachupally,Hyderabad,India	Machining of Steam Turbine Blade on 5-Axis CNC Machine
115	622	Dhiren R. Patel, M. B. Kiran	Department of Mechanical Engineering, school of Technology, PDPU, Gandhinagar, 382007, Gujarat, India	Experimental analysis on relationship between roughness parameters and texture features of 6082T6 sandblasted components
116	625	Pawan Yadav, S. C. Jayaswal	Mechanical Engineering Department, Madan Mohan Malaviya University of Technology, Gorakhpur 273016 Uttar Pradesh, India	Study of Media in Abrasive Flow Machining and its Hybrid Processes
117	626	Rahul Davis, Abhishek Singh, Sabindra Kachhap	Department of Mechanical Engineering, National Institute of Technology - Patna (NIT-P), Ashok Rajpath, Patna, 800005, India	Experimental Investigation of the Effect of Input Control Variables of Near Dry Electrical Discharge Drilling Process
118	630	Rohit Sureban , Vinayak Kulkarni, V. N. Gaitonde	School of Mechanical Engineering, K.L.E. Technological University, Hubballi	Modern Optimization Techniques for Advanced Machining Processes – A Review
119	631	Anubhav Singh, Avinash Ravi Raja, Mohd Zaheer Khan Yusufzai and Meghanshu Vashista	Department of Production Engineering, Birla Institute of Technology Mesra, Ranchi - 835215, India	Magnetic response of mild steel at various analyzing parameters
120	633	R. S. Vidyarthi and D. K. Dwivedi	Department of Mechanical Engineering BITS-Pilani, Hyderabad campus, Hyderabad, Telangana-500078, India	Weldability Evaluation of 409 FSS with A-TIG Welding Process
121	634	K. Mandal S. Sarkar, S. Mitra and D. Bose	Production Engineering Department, Jadavpur University, Kolkata,700032, INDIA	Multi-Attribute Optimization in WEDM of Light Metal Alloy
122	636	S. Biswas, N. Roy, R. Biswas, A.S. Kuar	Department of Production Engineering, Jadavpur University, Kolkata, 700032, India	Experimental Investigation of Varying Laser Pass on Micro-channel Characteristics of Thick PMMA by Laser Transmission Micro-machining
123	637	Vikas Kumar, Rajesh Kumar, Harmesh Kumar	Department of Mechanical Engineering, U.I.E.T. (Panjab University), Chandigarh, 160025, INDIA	Rheological Characterization of Vegetable Oil based Magnetorheological Finishing Fluid

124	638	Rabinarayan Baga, Amlana Pandaa*, Ashok Kumar Sahoo, Ramanuj Kumara	School of Mechanical Engineering, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar-24, Odisha, India	A Perspective Review on Surface Integrity and Its Machining Behavior of AISI 4340 Hardened Alloy Steel
125	642	Samarjit Swain, Isham Panigrahi, Ashok Kumar Sahoo, Amlana Panda	School of Mechanical Engineering, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar-24, Odisha, India	Study on Machining Performances during Hard Turning Process Using Vibration Signal Under MQL Environment: A Review
126	647	Shashank Ranjan Chaurasia, M. Sarviya	Research Scholar Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, MP, India	Thermal Performance analysis of CuO Nanofluid flow in a pipe with helical screw twist tape
127	650	Prashant S Humnabad and Dr M S Ganesh Prasad	Assistant Professor, Department of Mechanical Engineering, Sir M Visvesvaraya Institute of Technology, Bengaluru, Karnataka, India.	Process Optimization of Friction Stir Welded AA7XXX and Steel With Different Preheating Conditions
128	651	O. F. Biswas , A. Sen, G. Kibria, B. Doloi, B. Bhattacharyya	Department of Mechanical Engineering, Aliah University, Kolkata 700156, India	Experimental Analysis of Fiber Laser Milling Process for Generating Microchannel on Zirconia (ZrO ₂)
129	655	Amlana Panda , Ashok Kumar Sahoo, Ramanuj Kumar, Rabin Kumar Das	School of Mechanical Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar-24, Odisha, India	Analysis of Machinability Aspects during Hard Turning of Bearing Steel
130	662	Ranjith.R, Somu.C ,Tharanitharan.G, Venkatajalapathi.T, Naveenkumar M	Department of Mechanical Engineering,SNS College of technology, Coimbatore-641035, Tamilnadu, India	Integrated Taguchi cum Grey Rational Experimental Analysis (GREAT) for Optimization and Machining Characterization of Cryogenic Cooled AA6063 Aluminium Alloys
131	664	Yash Nigam, Ghanshyam Singh, Arnav Prakash	Undergraduate Student, Department of Mechanical Engineering, Jaypee University, Anoopshahr, U.P, 203390, India	Design of Parametric Modeller for Centrifugal Compressors using Engineering Materials
132	667	Rajesh Boorla , Prabeena T	Assistant Professor, Department of Mechanical Engineering, S R Engineering College, Warangal, Telangana, India.	Fabrication of Patient Specific Knee Implant by Fused Deposition Modeling
133	668	Anjali Nihore, Fozia Aziz, Nidhi Oswal, Pranat Jain, Oroosa Subohi and Nitish Gupta	Department of Applied Chemistry and Chemical Technology, Shri G. S. Institute of Technology and Science, 23 M. Visvesvaraya Marg, Indore(MP) 452003	Synthesis and Characterization of Copper doped Nickel ferrite Prepared by Sol-gel Method

134	703	Merugu Rakesh, Saurav Datta, Siba Sankar Mahapatra	Department of Mechanical Engineering National Institute of Technology, Rourkela-769008, Odisha, India	Effects of Depth of Cut during Machining of Inconel 718 using Uncoated WC Tool
135	707	Praveen Patnaik Saurav Datta, Siba Sankar Mahapatra	Department of Mechanical Engineering National Institute of Technology, Rourkela-769008, Odisha, India	WEDM Performance of Ti-6Al-4V: Emphasis on Multi-Cut Strategy and Effects of Electrode Wire
136	710	Santosh Kumar Saha, Biswajit Deyb, Saurav Datta	Department of Mechanical Engineering, VSSUT, Burla, Sambalpur, Odisha-768018, INDIA	Selection of appropriate powder-mixed dielectric media (kerosene and used transformer oil) for desired EDM performance on Inconel 718 super alloys
137	716	Ajay K Verma, Priyanshu Shukla , Vikky Kumhar, Vishal Rastogi	Department of Mechanical Engineering, FET-SSGI, Shri Shankaracharya Technical Campus, Junwani, Bhilai, Chhattisgarh 490020, India	Analysis of natural frequency parameters of partially cracked orthotropic composite square plates
138	721	Dr. Bharatesh Adappa Danawade , Dr. Ravindra Rachappa Malagi	Department of Mechanical Engineering, Gharda Institute of Technology, University of Mumbai,Lavel 405 708, India	Design and manufacturing of wood filled steel tubes for structural applications
139	722	Vivekanand Shukla,P. C. Vishwakarma, Jeeoot Singh	Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur(U.P)- 273010, India	Buckling Analysis of Symmetric and Antisymmetric Laminated Plates with Meshfree Approach
140	727	Abhay Chaturvedi, Sanit Bhatkar , P.S.Sarkar, Shashank Chaturvedi , Manoj Kumar Gupta, A.S.Patil	Homi Bhabha National Institute, Mumbai-400094	3D Geometric modeling of Aluminum based foam using micro Computed Tomography technique
141	730	Swarup S. Deshmukh, Vijay S. Jadhav, Ramakant Shrivastava	Department of Mechanical Engineering, Government College of Engineering Karad-415124, Maharashtra, India	Review on Single and Multi-objective Optimization Process Parameters of EDM Using Taguchi Method and Grey Relational Analysis
142	731	Vivek Jangid, Abhishek Kumar Singh, Abhishek Mishra	Department of Mechanical Engineering, National Institute of Technology Delhi, Sector A-7, Narela, Delhi – 110040, India	Wear Simulation of Artificial Hip Joints: Effect of Materials
143	735	Rati Saluja , K M Moeed	Associate Professor,Department of Mechanical Engineering, Goel Institute of Technology and Management, Lucknow, UP, 226021, India.	Experimental investigation of solidification-mode and response surface modeling of ferrite-content in Grade 304L pulse GMA welded plates

144	737	Rajinder Singh, R. K. Saxena, Kishore Khanna and V.K. Gupta	Department of Mechanical Engg., Punjabi University, Patiala, India-147002, India	Modelling Creep Response of a Functionally Graded Rotating Disc with Exponential Reinforcement Gradient
145	741	Parmeshwar P. Ritapure , Yashwant R. Kharde	Department of Mechanical Engineering, ZCOER, Pune-411041, Maharashtra, India	Evaluation of Mechanical, Microstructure and Sliding Wear Characteristics of Different Al-Zn Alloy and Composite: A Comparative Research
146	746	B.V.R. Reddy S.R. Maity, K.M. Pandey	Department of Mechanical Engineering, National Institute of Technology, Silchar, Assam, India-788010	Effect of warm rolling on microstructure, porosity and hardness of spray formed LM25 alloy
147	747	Rajesh Kannan A, N. Siva Shanmugam and Naveenkumar S	Department of Mechanical Engineering, National Institute of Technology, Tiruchirappalli – 620015, India	Effect of Arc Length Correction on Weld Bead Geometry and Mechanical Properties of AISI 316L Weldments by Cold Metal Transfer (CMT) Process
148	751	Sanjib Jaypuria, Trupti Ranjan Mahapatra, Omkar Jaypuria	Mechanical Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur – 721302, India	Metaheuristic Tuned ANFIS Model for Input-Output Modeling of Friction Stir Welding
149	752	Prabhat Pradhan, Mihir Kumar Sutar , Sarojrani Pattnaik	Mechanical Engineering Department, Veer Surendra Sai University of Technology Burla	A state of the art in Functionally Graded Materials and their Analysis
150	755	Shiba Narayan Sahu, Sagar Kumar Murmu, Narayan Chandra Nayak	Department of Production Engineering, Parala Maharaja Engineering College, Brahmapur-761003, Odisha, India	Multi-objective Optimization of EDM Process with Performance Appraisal of GA based Algorithms in Neural Network Environment
151	756	Chung Duong Dinh, Yen Nguyen Thi Ngoc, Duc Lam Tri, Quan Nguyen Huu Khanh1, Duy Chinh Nguyen, Long Giang Bach	Faculty of Pharmacy, Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam	Extraction conditions of Polyphenol, Flavonoid compounds with Antioxidant activity from Veronia amygdalina Del. Leaves: Modeling and optimization of the process using the response surface methodology RSM
152	901	Karmjit Singh, Ibrahim Sultan	School of Engineering and IT, Federation University, Mt Helen campus, 3350, Australia	Parameters Optimization for Sustainable Machining by using Taguchi Method.
153	905	Dhruv Bhatt, Ashish Goyal	Manipal university jaipur,303007,india	Multi-objective optimization of machining parameters in wire EDM for AISI-304
154	912	K Anil, K Satyanarayana*, Md Ahsan ul haq, K. Ajay Kumar	griet,hyd	Evaluation and Optimization of Tensile Strength Responses of ASS 316L at subzero temperature Using Taguchi Robust Design
155	914	Sasmit Yadav, Rajesh Kumar Verma	Madan Mohan Malaviya University of Technology,Gorakhpur,273010,India	Multi Criteria optimization approaches in Electric Discharge Machining

156	915	Suswagata Poria , Goutam Sutradhar, Prasanta Sahoo	Department of Mechanical Engineering, Jadavpur University, Kolkata, 700032, India	Design of Experiments Analysis of Abrasive Wear Behavior of Stir Cast Al-TiB ₂ Composites
157	920	Swarup S. Deshmukh, Shaikh Zubair A, Vijay S. Jadhav, Ramakant Shrivastava	Department of Mechanical Engineering, Government College of Engineering Karad-415124, Maharashtra, India	Optimization Process Parameters of Wire Electric Discharge Machining on AISI 4140 Using Taguchi Method and Grey Relational Analysis
158	932	Battula Narayana, Sriram Venkatesh	Dept. of Mechanical Engineering, University college of Technology(A), OU, Hyderabad-500007, India	Parametric Optimization for a Quality Prototype From Selective Laser Sintering
159	940	Shalini Mohanty,Subham S. Singh, B.C. Routara, B. K. Nanda, R.K.Nayak	Indian Institute of Technology (IIT-ISM) Dhanbad, Jharkhand-826004, India	A Comparative study on machining of AlSiCp metal matrix composite using Electrical discharge machine with and without nano powder suspension in dielectric
160	941	M. Tukaram Bai, P. Venkateswarlu	Assistant Professor, Andhra University College of Engineering, Visakhapatnam, India.	Optimization studies for lead biosorption on Sargassum tenerrimum (Brown Algae) using experimental design: Response Surface Methodology
161	946	D. Pramanik, S. Goswami, A.S Kuar, S. Sarkar and S. Mitra	Production Engineering Department, Jadavpur University, Kolkata-700032, India.	A Parametric Study of Kerf deviation in Fiber Laser Micro Cutting on Ti6Al4V Superalloy
162	947	Murali Vangalapati, K.Balaji, A.Gopichand	Swarandhra College of Engineering & Technology, Narasapur, A.P.-534280	Ann Modeling And Analysis Of Friction Welded Aa6061 Aluminum Alloy
163	951	D. Sai Chaitanya Kishore , S.M. Jameel Basha	Associate Professor of Mechanical Engineering, Srinivasa Ramanujan Institute Of Technology, Rotarypuram, BK Samudram, Anantapur, 515701, Andhra Pradesh, India.	Optimization of Process Parameters in Surface Finishing of Al6061 by using Magnetic Abrasive Finishing Process
164	952	Gyanesh Sharan,Rabindra Kumar Patel	Assistant professor,Madhav Institute of technology and Science,Gwalior-474005,India	Optimization of cutting parameters of turning for hardness of AISI 4140 alloy steel
165	957	Ch.Soujanya,G.Akhila Priya, PenkiRamu,C.Naveen Kumar	PG Student,VNRVJIET,Hyderabad,Telangana,India	A Novel Technique to Design Optimum Bituminous Mix Designs Based on R Studio and Autograph with Integration
166	964	A. Ranjan, S. Chakraborty, D. Kumar, D. Bose	Research scholar, IIT Kharagpur, Kharagpur, 721302, India	Multi-objective Optimization of a Hybrid Machining Process Abrasive Powder Mixed WEDM of Inconel 718 using Particle Swarm Optimization Technique
167	972	Lakshman Sondhi, Ritesh Kumar,Shubhashis Sanyal and Shubhankar Bhowmick	Department of Mechanical Engineering, National Institute of Technology, Raipur 492010, India	Limit Elastic Yield Pressure of Internally and Externally Pressurized Functionally Graded Thick Cylinder

168	981	V.V.D.Sahithi, T.Malayadri, N. Srilatha	Assistant Professor,VNRVJIET,Hyderabad and 50090,INDIA	Optimization Of Turning Parameters On Surface Roughness Based On Taguchi Technique
169	986	Punitha Chamarthi,RajeshNagadolla	Chadalawada ramanamma Engineering Ciollege, Tirupati, 517501, India	Grey Fuzzy Optimization of CNC turning parameters on AA6082/Sic/Gr Hybrid MMC
170	1102	Kunal, Apurba Kumar Roy and Kaushik Kumar	Research Scholar, Dept. of Mechanical Engg., Birla Institute of Technology, Mesra, Ranchi, INDIA	CFD Assisted Investigation on Adiabatic Film Cooling Effectiveness over a Flat Plate
171	1106	G Lakshmi Srinivas, , Arshad Javed	Birla Institute of Technology and science-Pilani, Hyderabad Campus, Hyderabad, Telangana-500078, India.	Topology optimization of industrial manipulator-link considering dynamic loading
172	1109	K. S. Vivek , U. Kusuma Lakshmi Priyanka, C. Ravi Kumar Reddy, K. S. Sai Ram	Department of Civil Engineering, VVIT, Guntur – 522508, A. P., India	Non – Linear Finite Element Analysis of Mild Steel Gusset Plates
173	1120	J. Kandasamy,KVRK Subrahmanyam D Kamal Kumar	Department of Mechanical Engineering, MVSREC, Nadergul 501 510, India	Finite Element Simulation and Experimental Investigations on Flow behavior of Aluminum Alloys in Equal Channel Angular Pressing
174	1121	Y. M. Chordiya, M. D. Goel	M.Tech. Student, Department of Applied Mechanics, Visvesvaraya National Institute of Technology (VNIT), Nagpur – 440 010, India	Low Velocity Impact Behavior of Aluminum Cenosphere Syntactic Foam
175	1125	Vivekanand Shukla,P. C. Vishwakarma, Jigyasa Singh ,Jeeoot SIngh	Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur(U.P)- 273010, India	Vibration Analysis of angle-ply Laminated Plates with RBF based Meshless Approach
176	1130	Sunil Kumar , Saikat Ranjan Maity, Lokeswar Patnaik	Department of Mechanical Engineering, National Institute of Technology, Silchar- 788010, India	Box-Behnken Analysis Of Surface Modification Of Aluminium Alloy AA6061 Using Roller Burnishing
177	1131	Shubham Kamlesh Shah , Ruby Mishra, Divyajyotidevi Prasanna, Gourishankar Mohapatro	School of Mechanical Engineering., KIIT Deemed to be University, Bhubaneswar 751024, India	Fabrication and Deviation Analysis of a 5-Axis Robotic Arm Using Image Processing Technique
178	1134	Rajasree G. Krishnan, Greeshma S, Shivon D' Morris, Suryasree S. Rameshan, Beena S	Department of Chemistry, Amrita Vishwa Vidyapeetham, Amritapuri, Clappana P.O, Kollam, 690525, India.	Electrochemical Sensor for Vitamin B 12 in Pharmaceutical Analysis
179	1138	Radhika Sridhar , Ravi Prasad	Research Scholar, National Institute of Technology, Warangal, Telangana, India	Vibration Based Damaged Detection of Steel Fiber Reinforced concrete

180	1140	Swapnil U. Deokar, Prashant K. Jain	Department of Mechanical Engineering, SKNCOE Pune 411041, India	Analysis of springback and force behavior in single point incremental sheet forming though FEA
181	1145	Shivanshu Dixit, S.S.Padhee	Department Of Mechanical Engineering, IIT Ropar, Ropar,140001, India	Finite Element Analysis of Fiber Reinforced Hybrid Composites
182	1153	Prasanth Kumar Mallipudi and N.Ramanaiah	Asst.Professor, Anil Neerukonda Institute of Technology & Sciences, Visakhapatnam, India-531162	Effect of Carbon Black on the Performance of Nitrile Rubber For Analyzing Free Layered Surface Damping Treatment
183	1156	Hitesh Arora, Rupinder Singh, Gurinder Singh Brar	Department of Mechanical Engineering, Lovely Professional University, Phagwara (Punjab) 144411 INDIA	Prediction of Temperature Distribution and Displacement of Carbon Steel Plates by FEM
184	1159	Appurva Jain,Abhishek Mishra	National Institute of Technology Delhi, Delhi 110040, India	Comparative Study of Macroscopic Rupture Criteria
185	1209	Sukhjinder Singh Sandhu, Tejeet Singh and V.K. Gupta	Assistant Professor, Department of Mechanical Engineering, S.B.S.S.T.C., Ferozpur, 152004, INDIA	Analysis of Steady State Creep Behaviour in Spherical Vessels Made of Composite Material
186	1215	Balaji R, Mukesh Nadarajan,Ashish Selokar, Sreenu S Kumar ,Sivakumar S	Department of Mechanical Engineering, Hindustan Institute of Technology and Science, Chennai, India.	Design and Analysis of Disk Brake under Tribological Behaviour of Materials
187	1225	Anand C. Mattikalli ,Dr. Rajashekar V. Kurahatti	Maratha Mandal Engineering College, Belagavi-590005,India	Finite Element Based Investigation Of Aluminum Annular For Static And Dynamic Behaviour
188	1229	Aazim Shafi Lone , Showkat Ahmad Kantha, Azher Jameel, G. A. Harmain	Research Scholar, Department of Mechanical Engineering, National Institute of Technology Srinagar,Hazratbal, 190006, India	A state of art review on the modeling of Contact type Nonlinearities by Extended Finite Element method
189	1235	Showkat Ahmad Kanth , Aazim Shafi Lone, G. A. Harmain, Azher Jameel	Research Scholar, Department of Mechanical Engineering, National Institute of Technology Srinagar, 190006, India	Elasto Plastic Crack Growth by XFEM: A Review
190	1239	Kanhu Charan Nayak , Susanta Kumar Sahoo	Department of Mechanical Engineering, IIT Bombay, Mumbai 400076, India	Experimental and Finite Element Analysis of Closed-die Combined Extrusion-forging process: Development of Socket Adopter
191	1241	Ranjan K. Behera , Sudhansu S Patro, Kamal Kishore Joshi	School of Mechanical Engineering,Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar, Odisha-751024, India	Stability Analysis of Stiffened FG Sandwich Plates Based on FEA
192	1249	B. K. Patle, Alok Jha, Anish Pandey, N. Gudadhe, S. K.	Department of Mechanical Engineering, CVR College of Engg. Hyderabad, India	The optimized path for a mobile robot using fuzzy decision function

		Kashyap		
193	1250	Dhirendra Pratap Singh, Sanjay Mishra, Rajesh Kumar Porwal	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh, India	Modal Analysis of Ultrasonic Horn using Finite Element Method
194	1301	O.O Ayodele, T.J Komape, M.A Awotunde, M.B Shongwe, B.A Obadele, B.J Babalola and P.A Olubambi	Centre for Nanoengineering and Tribocorrosion, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, Doornfontein Campus, Johannesburg, 2094, South Africa	Fabrication and effect of milling time on spark plasma sintered Ti6Al4V/Gr composite
195	1302	Sridhar G, Ananda G K, Ramesha H, Shivappa.D	Research Scholar, Department of Mechanical Engineering, Visvesvaraya Technological University, Karnataka 590018, India	Thermal Optimization for Al12SiMg with Influence of Magnesium Oxide Particulate Composites
196	1303	Ranvijay Kumar, Rupinder Singh, IPS Ahuja, KN Karn	Production Engineering Department, Guru Nanak Dev Engineering College, Ludhiana-141006, India	Processing of Melt Flow Compatible Thermoplastic Composites for Solid State Welding Applications
197	1306	M. K. Gupta, Ajaya Bharti, Binayaka Nahak, N. K. Choudhar, Anil Kumar	Department of Mechanical Engineering, Motilal Nehru National Institute of Technology Allahabad, Allahabad-211004, India	Thermal Characteristics of Sisal Composites Containing Charcoal Particles
198	1307	Samuel Ranti Oke, Oluwasegun Eso Falodun, Mphahlele R. Mahlatse, Oladeji Oluremi Ige, Peter Apata Olubambi	Center for Nanoengineering and Tribocorrosion, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, Johannesburg, South Africa	Investigation on densification and microstructure of Al-TiO2 composite produced by Spark plasma sintering
199	1309	Pranav Dev Srivyas, M.S. Charoo	Mechanical Engineering Department, NIT, Srinagar, HAZRATBAL, 190006, J&K, INDIA	Application of Hybrid Aluminum Matrix Composite in Automotive Industry
200	1310	Sachin U Belgamwar, Ajay D. Pingale, Niti Nipun Sharma	Mechanical Engineering Department, Birla Institute of Technology and Science, Pilani, Rajasthan 333031, India	Investigation on electrical properties of Cu matrix composite reinforced by multi-walled carbon nanotubes
201	1311	Oluwasegun Eso Falodun, Samuel Ranti Oke, Feyisayo Victoria Adams, Samuel Olukayode Akinwamide, Oladeji Oluremi Ige, Thato Tshephea and Peter Apata Olubambi	Centre for Nanoengineering and Tribocorrosion, University of Johannesburg, 2006, South Africa	Fabrication and Microstructural Characterization of Nanoparticle TiN Reinforced Al-Mg-Si Matrix Composite

202	1312	Jatinder Kumar, Dilbag Singh, Nirmal S. Kalsi	Department of Research Innovation and Consultancy, IKG Punjab Technical University, Kapurthala, 144603, Punjab, INDIA	Tribological, physical and microstructural characterization of silicon carbide reinforced aluminium matrix composites: A Review
203	1315	N Akhil, Penki Ramu, Shivashankar kalyan shetty	PG Student, VNRVJIET, Hyderabad, Telangana, India	Experimental investigations on the rut resistant surface layer with Inclusion of Marble Dust and Sisal Fibers
204	1319	Rajiv Kumar, Ankush Anand	School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra-182320, J&K, India	Tribological behavior of natural fiber reinforced epoxy based composites: A review
205	1320	K. Siva Prasad, G. Chaitanya	Assistant Professor, Mechanical Engineering Department, V R Siddhartha Engineering College, Vijayawada-5200 079, India	Analysis of delamination in drilling of GFRP composites using Taguchi Technique
206	1321	Diptikanta Das , Chandrika Samal, Anil Kumar Chaubey, Ramesh Kumar Nayak	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-751024, India	Influence of thermal treatment and reinforcement content on properties of aluminium matrix composites: a case study
207	1322	Mohit Agarwal, Rudresh Naik, Sneha Shetgar and D. Purnima	Department of Chemical Engineering, BITS-Pilani, Hyderabad Campus, Jawaharnagar, Shamirpet mandal, Hyderabad-500078, INDIA	Surface treatment of jute fibre using eco-friendly method and its use in PP composites
208	1323	Binayaka Nahak, M. K. Gupta, Anil Kumar	Department of Mechanical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004, India	Mechanical and Water Absorption Properties of Sisal Composites: Effect of Charcoal Particles Loading
209	1325	Pravat Ranjan Pati	Department of Mechanical Engineering Faculty of Science & Technology, ICFAI Foundation for Higher Education, Hyderabad	Characterization of glass-epoxy composites using red brick dust particles
210	1326	Bhagyashri Sarde, Dr. Y.D. Patil	Research Scholar, Applied Mechanics Department, Sardar Vallbhabhai National Institute of Technology, Surat, 395007, India	Recent Research Status on Polymer Composite Used in Concrete-An Overview
211	1327	Okoro Avwersuoghene Moses*, Cosssa Themba Edmond, Thaba Thapelo Precious, Lephuthing Senzeni Siphon, Oke Samuel Ranti, Olubambi Peter Apata	Centre for Nanoengineering and Tribocorrosion, Department of Metallurgy, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, 2028, Johannesburg, Republic of South Africa	Dispersion characteristics, microstructural evolution and sintering behaviour of Al ₂ O ₃ -Ti ₆ Al ₄ V composites fabricated by spark plasma sintering
212	1329	Pathan Yasin, M Venkata Ramana, C Krishna Vamshia	Cvr college of Engineering, Vastu nagar, Hyderabad and 501510, India	A study of continuous Henequen/Epoxy composites

		and K Pradeep		
213	1330	Nipun Sinha and Kaushik Kumar	undergraduate Student, Dept. of Mechanical Engg, Birla Institute of Technology, Mesra, Ranchi, India	Optimization of Volumetric Composition and Cross-Section of Carbon Reinforced Epoxy based Polymeric Composite Tubes in Space frame Chassis
214	1331	Ankita Awasthi, Kuldeep K Saxena	Department of Mechanical Engineering, College of Engineering and Technology-IILM, Greater Noida, U.P., India	Evaluation of Mechanical Properties of Orange Peel Reinforced Epoxy Composite
215	1335	S.Geetha, M.Selvakumar	Professor, Rajalakshmi Engineering College ,Chennai-602105, India	A composite for the Future-Concrete Composite Reinforced with Shape Memory Alloy Fibres
216	1336	Samuel Ranti Oke , Oluwasegun Eso Falodun, Buhle Gladness Motsa, Oladeji Oluremi Ige, Peter Apata Olubambi	Center for Nanoengineering and Tribocorrosion, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, Johannesburg, South Africa	Spark plasma sintering of Al-Ti-Al ₂ O ₃ composite
217	1339	Subhrajyoti Saroj,Radha Kant Sarangi ,Diptikanta Das and Ramesh Kumar Nayak	School of Mechanical Engineering, KIIT, Deemed to be University, Bhubaneswar-751024	Enhancement Mechanical and Vibrational Properties of Plywood for Packaging and Container Applications
218	1340	Diptikanta Das, , Milind Sharma, Chandrika Samal, Ramesh Kumar Nayak	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-751024, India	Investigation of mechanical properties of SiCp reinforced Al 7075 metal matrix composites: a case study
219	1344	S. Praharaj, A. Singha, D. Rout	School of Applied Sciences(Physics), KIIT Deemed to be University, Bhubaneswar 751024, Odisha, India	High Temperature Electrical Conductivity and Modulus Study of a Lead-Free Na _{0.5} Bi _{0.5} TiO ₃ -SrTiO ₃ Ceramic
220	1345	Vivekanand Shukla, Jeeoot Singh	Department of Mechanical Engineering Madan Mohan Malaviya University of Technology, Gorakhpur(U.P)-273010, India	Analysis of Laminated plates for Patch Loads
221	1346	Akhila Raman, K.S Ananthakrishnan, M.R Adithyakrishnan, Geethu S, Neeraja J,Kannan Reji, Parvathy G, Adwaith S, Aswin Suresh, Jitha S Jayan, Appukuttan Saritha	Department of Chemistry, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Clappana PO, Kollam, Kerala	Modeling of dielectric properties of Chlorobutyl rubber nanocomposites
222	1349	Nagappa Siddgonde, Anup Ghosha	Department of Aerospace Engineering, Indian Institute of Technology Kharagpur, India-721302	Thermo-mechanical Modelling of 5-harness Satin Weave C/C Composites at High Temperature

223	1351	Ashish Naik, Sarojrani Pattnaik, Mihir Kumar Sutar	Mechanical Engineering Department, Veer Surendra Sai University of Technology Burla	Mechanical properties of Bagasse fiber based biocomposites: A Review
224	1354	Sudip Banerjee Suswagata Poria, Goutam Sutradhar, Prasanta Sahoo	Department of Mechanical Engineering, Jadavpur University, Kolkata, 700032, India	Design of Experiments Analysis of Friction Behavior of Mg-WC Nano-composites using Taguchi Methodology
225	1355	Arabinda Meher , Manas Mohan Mahapatra, Priyaranjan Samal, Pandu R Vundavilli, S P Madavan	School of Mechanical Sciences, Indian Institute of Technology Bhubaneswar, Odisha - 752050, India	Synthesis, microstructure and mechanical properties of magnesium matrix composites fabricated by stir casting
226	1356	L.N.K. Sai. Madupu , K.S.Sai Ram	Department of Civil Engineering, R.V.R & J.C. College of Engineering, Guntur, Andhra Pradesh, India.	Strengthening of Axially Loaded Reinforced Concrete Rectangular Columns with GFRP Strips
227	1358	Smaranika Nayak, R.K.Nayak , I.Panigrahi, A.K.Sahoo	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-751024	Tribo-Mechanical Responses of Glass Fiber Reinforced Polymer Hybrid Nanocomposites
228	1359	Manjunath R N, Vikas Khatkar, B K Behera	Department of Textile Technology, Indian Institute of Technology Delhi- New Delhi (INDIA)-110016	Comparative assessment of Static and Dynamic Mechanical Properties of Glass and PET fiber Reinforced Epoxy Composites
229	1360	Shijo Thomas, Lava Kumar Pillari, Umasankar V, Joe Pious	Department of Mechanical Engineering, Faculty of Engineering, CHRIST (Deemed to be University), Bangalore, 560 074, India.	Effect of sonication in enhancing the uniformity of MWCNT distribution in aluminium alloy AA2219 matrix
230	1363	Prakhar Kumar Kharwar, Rajesh Kumar Verma	Madan Mohan Malaviya University of Technology, Gorakhpur, 273010, India	Carbon Nano Tube in polymer nanocomposites
231	1369	S K Sahoo, Asha Gokul2, K Srinivas, R N Rao and M K Buragohain	Mechanical Engineering Department, National Institute of Technology (NIT), Warangal-506 004, India	Comparison of NMR and microwave NDE methods for defect detection in composite structures
232	1370	K.Kaviyarasan, R.Soundararajan , P.Seenuvasaperumal A. Sathishkumar J Pradheep kumar	Assistant Professor, Department of Mechanical Engg, Sri Krishna college of Tech, CBE-641042, India	Experimental Investigation of Dry Sliding Wear Behaviour on Ceramic Reinforced Magnesium Composite by Powder Metallurgy Technique
233	1371	Piyush Gulati, Rohan Ande, Dinesh Kumar Shukla, Hitesh Dhingra	School of Mechanical Engineering, Lovely Professional University, Phagwara, Punjab, India	Microstructural and Wear Characteristics of Friction Stir Processed Al-7075/SiC Reinforced Aluminium Composite
234	1372	Shijo Thomas, Umasankar V, Cecil Josepha, Joseph	Department of Mechanical Engineering, Faculty of Engineering, CHRIST (Deemed to be University), Bangalore, 560 074, India.	Self lubricating property of MWCNT in AA2219 composites during high energy ball milling

235	1379	Preeti Ranjan Pani, R.K.Nayak , B.C.Routara, P.C. Sekhar	School of Mechanical Engineering,KIIT,deemed to beUniversity, Bhubaneswar-751024	Flexural and Specific Wear Rate of Seawater Aged Bamboo, Jute and Glass Fiber Reinforced Polymer Hybrid Composites
236	1382	Mukesh, S.S. Godara	Department of Mechanical Engineering, Rajasthan Technical University Kota, Rajasthan 324010, INDIA	Effect of chemical modification of fiber surface on natural fiber composites: A review
237	1386	S. Rathod, A. Raghubanshi, Yogesh Srivastav, Vinayaka R Kiragi, D. P. Mondal	Department of Mechanical Engineering, Malviya National institute of Technology, Jaipur -302006, India	Dry Sliding Wear Behaviour study of Alumina-silicate Short Fiber Reinforced AA2014-Al Alloy composite
238	1387	Prabina Kumar Patnaik, Priyadarshi Tapas Ranjan Swain , Abhilash Purohit	Department of Mechanical Engineering, Gandhi Institute of Engineering and Technology, Gunupur - 765022, India	Selection of composite materials for structural applications through MCDM approach
239	1390	Mulugundam Siva Surya , T Venkata Nilesh	Assistant Professor, GITAM University, Hyderabad and 502329,India	Synthesis and Mechanical Behaviour of (Al/SiC) Functionally Graded Material Using Powder Metallurgy Technique
240	1391	Pushpendra Kumar Jain, Prashant Baredar, S. C. Soni	Associate Professor, Mechanical Engineering Deptt, Sagar Institute of Research & Technology, Bhopal- 462041, India	Development Of Silicon Carbide Particle Reinforced Aluminium 6101 Metal Matrix Composite Using Two- Step Stir Casting
241	1392	Samuel Olukayode Akinwamide, Serge Mudinga Lemika, Feyikayo Adams, Ojo Jeremiah Akinribide, Bolanle Tolulope Abe, Peter Apatu Olubambi	Centre for Tribocorrosion and Nanoengineering, University of Johannesburg, Johannesburg 2006 South Africa	An investigation on the Corrosion Behavior of Al (Mg- TiFe-SiC) Matrix Composite in Acidic and Chloride Media
242	1394	Sourav Khandai, R.K. Nayak , Ankit Kumar and R. Kumar	School of Mechanical Engineering, KIIT, Deemed to be University, Bhubaneswar-751024	Assessment of Mechanical and Tribological Properties of Flax/Kenaf/Glass/Carbon Fiber Reinforced Polymer Composites
243	1395	Venkatesha Prasanna. G , Neeraj Kumar Jha & Akhil Kumar. K	Department of Mechanical Engineering, CVR College of Engineering, Hyderabad 501510, India	Optimisation & Mechanical Testing Of Hybrid BioComposites
244	1396	Uyen Vy Vo, Thi Hiep Nguyen, Manon Gallais, Hieu Vu-Quang, Cuu Khoa Nguyen, Tri Duc Lam, Duy Chinh Nguyen, Long Giang Bach, Dai Hai Nguyen	Graduate University of Science and Technology, Vietnam Academy of Science and Technology, Hanoi, Vietnam	Porous nanosilica hybrids biocompatible polymer for enhancing anticancer drugs loading efficiency and targeted delivery
245	1397	Rajidi Shashidhar Reddy, Abhay Gupta, Satyajit Panda	Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati-781039, India.	The effective properties of the electro-viscoelastic composite using energy method

246	1398	R.Vishnuvardhan, Rahul R Kothari, S.Sivakumar	Department of Mechanical Engineering, Hindustan Institute of Technology and Science, Chennai-603103, India	Experimental Investigation on Mechanical Properties of Sisal Fiber Reinforced Epoxy Composite
247	1399	Swarnjit Singh, Dharmpal Deepak, V.K. Gupta	Trainee Engineer (Mechanical), Chenab Valley Power Projects Limited, Chenab Nagar-II, Kishtwar-182206, India	Effect of layering pattern on the mechanical properties of jute-linen reinforced polypropylene hybrid laminated composites
248	1403	Rajidi Shashidhar Reddy and Satyajit Panda	Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Guwahati-781039, India.	The energy-based method for effective dynamic properties of viscoelastic composite
249	1404	Deepak Kumar, Pradeep K. Singh	Ph.D. Scholar, Dept. of Mechanical Engineering, Sant Longowal Institute of Engineering & Technology, Longowal, 148106, India	Investigation of Tribological Behaviour of Al-4032 Based Metal Matrix Composite using Taguchi's Optimization Approach
250	1415	Indradeep Kumar, C. Dhanasekaran	Research Scholar, Department of Mechanical Engineering, VELS Institute of Science, Technology & Advanced Studies (VISTAS), Chennai-600117, India	Computational Modelling Of Nano-Composites (Single Walled Carbon Nanotubes) For Engine
251	1418	Abhilash Purohit, Alok Satapathy, Priyadarshi Tapas Ranjan Swain, Prabina Kumar Patnaik	Veer Surendra Sai University of Technology, Burla-768018, India	A study on erosion wear behavior of ld sludge reinforced polypropylene composite
252	1419	G. Srinivasa Gupta, N. Kiran Kumar, K.Ajay Kumar	VNR VJIET, Bachupally, Nizampeta (S.O.), Hyderabad-500090, India	Analytical and numerical investigation on inter laminar stress pattern in FRP Composites
253	1425	M.Srinivas, I.Srikanth,G.RamaRao,G.Swami Naidu	Research scholar JNTU Kakinada CMR Institute of Technology,Hyderabad,India.	Effect of Volume Fraction of Reinforcement Layers on the Mechanical Properties of S-glass-Carbon-Epoxy Hybrid Composites
254	1426	Sasmita Kar, Saojrani Pattnaik, Mihir Kumar Sutar	Department of Mechanical Engineering, Veer Surendra Sai University of Technology Burla, Odisha	Development of Pseudo ductile behavior of carbon fiber reinforced composites-An Overview
255	1429	RajanaVenkatesh,VamsikrishnaKolli,BarnikSaha Roy	PG Scholar, Department of Mechanical Engineering, NIT Agartala, Tripura-799046, India	Experimental investigation of Aluminium Matrix Composite production and joining
256	1432	Dharmpal Deepak, NavrattanGoyal, Pankaj Rana, V.K. Gupta	Assistant Professor, Department of Mechanical Engineering, Punjabi University, Patiala-147002, India	Effect of varying reinforcement content on the mechanical properties of hemp-recycled HDPE composites
257	1436	Ranjan K. Behera , Sarwar Akhtar	School of Mechanical Engineering,Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar, Odisha-751024, India	Prediction of Eigen-frequency of Stiffened Sandwich Composite Plates Using Finite Elements

258	1437	Shaik Mubina, Asit Kumar Khanra, Bhaskar Prasad Saha	International Advance Reearch Centre for Powder Metallurgy and New Materials, Balapu, 500005, Hyderabad, Telangana, India	Optimization of processing parameters, physical and mechanical properties of SiC – CNF composites using Taguchi approach
259	1440	N.Mohan, Ashok Kumar.R,Rajesh.K, S.Padmanaban,Ramanath Prabhu,Preetham.S, M.Akshay Prasad	Department of Industrial Engineering and Management, Dr.Ambedkar Institute of Technology, Bangalore.India.	Investigation on Tribological Behaviour of Bio-Based Pongamia Pinnata Seed Cake Waste filled Basalt Epoxy Composite
260	1441	G.Ashok Kumar, J.Sai Revanth, Dr.K.Srividya, Ch.Mohan Sumanth, M.Somaiah Chowdary, T.Venkateswara Rao	B.Tech student, Mechanical Engineering Department, Prasad V Potluri Siddhartha Institute of Technology,Vijayawada-520007, India	Thermo Gravimetric analysis of Vetiveria zizanioides /Jute/Glass fiber reinforced hybrid polymeric composites
261	1444	S.S. Godara, P.K. Mahato	Research Scholar, Department of Mechanical Engineering, IIT(ISM) Dhanbad, Jharkhand 826004, INDIA	Potential Applications of Hybrid Nanocomposites
262	1446	P.Thimothy, Siva Sankara Raju and Ch. Ratnam	Associate Professor, Department of Mechanical Engineering, Miracle engineering college, Vizianagaram -535216, India	Development and Accretion of Tribological Performance on Al-CSA Composites using Orthogonal Array
263	1451	Amarkumar Malge, T. Sankarappa, T. Sujatha, J. S. Ashwajeet, G.B.Devidas	Department of Physics, Gulbarga University, Kalaburagi 585106, Karnataka, India.	Study Of Polaron Transport Mechanism In Rare Earth Nano Particles Doped Zinc-Molybdenum-Boro-Tellurite Glasses
264	1456	Harjit Singh, Tejeet Singh	Department of Research Innovation and Consultancy, I.K Gujral Punjab Technical University, Kapurthala, 144603, Punjab, INDIA	Effect of fillers of various sizes on mechanical characterization of natural fiber polymer hybrid composites: A review
265	1459	B shanti sree,Aparna Yaramma,B Srinivasa Rao,Kanchana latha Chittur	Department of Physics,Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad Telangana,India	Green fabrication And Characterization of In ₂ O ₃ -SnO ₂ Nanocomposite from Acacia Gum
266	1463	Sudipta Chand, P. Chandrasekhar , R.K. Sarangi, R.K. Nayak	KIIT Deemed to be University, Patia, Bhubaneswar, 751024, India	Influence of B ₄ C Particles on Processing and Strengthening Mechanisms in Aluminum Metal Matrix Composites - a Review
267	1468	Manojit Das, Debadutta Mishra, Trupti Ranjan Mahapatra	Department of Production Engineering, Veer Surendra Sai University of Technology (VSSUT), Burla – 768018, India	Machinability of Metal Matrix Composites: A Review
268	1472	R.Saravanan, T.Malyadri, M.S.Srinivasa Rao	Dean Academics & Professor of Mech. Engg., Ellenki College of Engg. and Tech., Hyderabad	Synthesize and Characterization of Maleic acid Treated Banana Fiber Composites

		Nagasrisaihari Sunkara		
269	1475	Hiral H. Parikh, Piyush P. Gohil	Department of Mechanical Engineering, School of Engineering and Technology, Navrachana University, Vadodara 391410, India	Sliding Wear Experimental Investigation and Prediction Using Response Surface Method: Fillers Filled Fiber Reinforced Composites
270	1480	Sandhya Rani Borukatia, B. Durga Prasad, Dr. A. Ramesh	Research Scholar in JNTUA, Anantapuramu.	Development and Characterization of Natural Fiber Reinforced Composite Material with the use of Carbon Fiber
271	1482	P. Vasanthakumar, K. Sekar, Koduru Venkatesh	Department of Mechanical Engineering, National Institute of Technology Calicut, Kerala 673601, India.	Recent developments in powder metallurgy based aluminium alloy composite for aerospace applications
272	1486	Deepen Banoriya, Rajesh Purohit, R. K. Dwivedi, Umesh Baghel	Research Scholar, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, (M.P.), India	Development and Testing of Polyurethane based Composites using Rapid Prototyping Techniques for Biomedical Applications-A Review
273	1502	M.R. Kumar, C.K. Behera, S. Mohan, S. Aich	Dept of Metallurgical Engg, IIT (BHU), Varanasi - 221005, India	Synthesis and Characterization of Titanium and Titanium Nitride Deposition on High Speed Steel Substrate
274	1503	Dinh Nhat Do, Tan Tai Dang, Quang Tuan Le, Tri Duc Lam, Long Giang Bach, Duy Chinh Nguyen, Tran Quoc Toan	Faculty of Chemical Engineering and Food Technology, Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam	Extraction of saponin from gleditsia peel and applications on natural dishwashing liquid detergent
275	1504	Trieu Tuan Anh, Le Thi Duyen, Le My Hang, Tri Duc Lam, Long Giang Bach, Duy Chinh Nguyen, Tran Quoc Toan	Faculty of Chemical Engineering and Food Technology, Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam	Effect of drying temperature and storage time on Ocimum gratissimum Linn. leaf essential oil from Central Highlands, Vietnam
276	1505	Ranganath, B. Koteswararao	Asst. Professor, Department of Mechanical Engineering, K L University, Vaddeswaram, Guntur-522502, India	Experiment Analysis to examine the effects of adhesive and adherent type of geometrical configuration on joint failure loads
277	1506	O.S. FATOBA; E.T. AKINLABI; S.A. AKINLAB; F.M. MWEMA	Department of Mechanical Engineering Science, University of Johannesburg, South Africa	Characterization of Laser Additive Manufactured Al-Si Coating on Titanium Alloy
278	1507	Anup Kulkarni, Dheerendra K. Dwivedi, M. Vasudevan	Department of Mechanical and Industrial Engineering, Indian Institute of Technology, Roorkee-247667, India	Effect of oxide fluxes on activated TIG welding of AISI 316L austenitic stainless steel
279	1508	Sanjib Jaypuria, Swagatika Khandai, Trupti Ranjan Mahapatra, Amresh Singh	Mechanical Engineering Department, Indian Institute of Technology Kharagpur, Kharagpur - 721302, India	Development of Activated Flux for Deep Penetration in GTAW

280	1510	Jagadeesh G V, Srinivasu Gangi Setti	Department of Mechanical Engineering, National Institute of Technology, Raipur, Chhattisgarh, India-492-010	An Experimental Study on the Surface Finish of Ball Burnished Magnesium (Rare Earth base) Alloy
281	1512	U. Das, R. Das , V. Toppo and S. Muthukumar	Department of Manufacturing Engineering, National Institute of Foundry and Forge Technology, Hatia, Ranchi, Jharkhand-834003, India.	Experimental Study on Tensile and Bending Behavior of Friction Stir Welded Butt Joints of Dissimilar Aluminum Alloys
282	1514	Sumit Sharma, Gopal Nandan, P K Rohatgi, Ravi Prakash	Mechanical Engineering Department, Amity University Uttar Pradesh, Noida, India	Recent advances in self-healing materials
283	1518	M.R. Sankar, S. Saxena, S.R. Banik, I.M. Iqbale, R. Nath, L.J. Bora, K.K. Gajrani	Department of Mechanical Engineering, Indian Institute of Technology Guwahati, Assam – 781039, India.	Experimental Study and Artificial Neural Network Modeling of Machining with Minimum Quantity Cutting Fluid
284	1520	Rajeev Arora	Department of Mechanical Engineering, A.N.A College of engineering and technology, Bareilly, India	Adsorption of Heavy Metals–A Review
285	1521	Ganesh Dongre, Avadhoot Rajurkar, Ramesh Gondil, Akhil Mamidwar, Jacob Philip	Dy.General Manager, PPF, Vikram Sarabhai Space Centre, Thiruvananthapuram, Kerala	Removal of Surface Spatter and Recast layer by Chemical Cleaning
286	1524	Pranav Dev Srivayas, M.S. Charoo	Mechanical Engineering Department, NIT, Srinagar, HAZRATBAL, 190006, J&K, INDIA	Effect of Lubricants Additive: Use and Benefit
287	1525	Kamlesh Kumar, Sushanta Chandra Deheri, Manoj Masanta	Department of Mechanical Engineering, National Institute of Technology Rourkela, Rourkela-769008, India.	Effect of Activated flux on TIG Welding of 304 Austenitic Stainless Steel
288	1529	Jyotsna Agarwal	Assistant Professor, MSRUAS, Bangalore-560058, India	Waste Management of Residual Black Ash in Barium Industries
289	1530	Ashutosh Pratap Singh, Bharat Singh, Kuldeep K Saxena	Department of Mechanical Engineering, Institute of Engineering and Technology, GLA University Mathura, 281406, U.P., India	Precipitation Behaviour of Microalloyed Steel During Hot Deformation
290	1533	Chetan A. Somani,D. I. Lalwani	Mechanical Engineering Department, SVNIT, Surat 395007, Gujarat, India	Experimental Investigation of TIG-MIG Hybrid Welding Process on Austenitic Stainless Steel
291	1534	I. Dey, R. Saha, S. K. Ghosh	Department of Metallurgy and Materials Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103, India	Influence of microalloying in high carbon pearlitic steel
292	1535	K. Vivekananda, Anshuman Kumar and S. K. Sahoo	Department of Mechanical Engineering, Faculty of Science and Technology, ICFAI Foundation for Higher Education, Hyderabad, Telangana, India.	Prediction of UVAT Response parameters by Using Linear Regression Analysis

293	1538	Rohith K , Shreyas S, Vishnu Appaiah K.B., Sheshank R.V., Ganesh B.B, Vinod B.	Department of Mechanical Engineering, Vidyavardhaka College of Engineering, Mysore 570002, India	Recent Material Advancement for Marine Application
294	1541	S.Shama, V.Bramaramba, S.Sen	Department of Metallurgical and materials Engineering National Institute of Technology, Rourkela-769008, Odisha, India	A Study of the Low-Temperature Property of Nodular Iron
295	1542	Akant Kumar Singh, Siddharth, Sanjay Yadav, Prashant Kumar Singh	Department of Mechanical Engineering, I.T.S Engineering College, Greater Noida (UP), 201308, India	Transmission Efficiency of Functionally Graded Material Based HDPE Spur Gears
296	1545	Leema M, Gayathri Sreekumar, Akhil Sivan, Zeena S. Pillai	Department of Chemistry, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam - 690525, Kerala, India	Synthesis of silver nanoparticles from a bioactive precursor
297	1547	P.S.Gowthaman, S.Jeyakumar	Assistant Professor a, P.S.N.A College of Engineering&Technology,Dindigul-624622, TamilNadu, India.	A Review on machining of High Temperature Aeronautics Super-alloys using WEDM
298	1549	Thi Van Linh Nguyen, Tan Thanh Vo, Tri Duc Lam, Long Giang Bach	Faculty of Chemical Engineering and Food Technology , Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam.	Water blanching conditions on the quality of green asparagus butt segment (<i>Asparagus officinalis</i> L.)
299	1550	P S V V S Narayana, P S V V Srihari	Assistant Professor, Aditya Engineering College, Surampalem 533437, India	Biofilm Resistant Surfaces and Coatings on Implants: A Review
300	1551	K. Sudha Rani, G.V.S. Sarma, K. Gouru Naidu, K.V. Ramesh	Department of Chemical Engineering, Andhra University, Visakhapatnam-530003, India.	Adsorptive Removal Of Chromium By Modified Laterite
301	1560	Simantini Majumdar, Pintu Senb, Ruma Ray	Department of Physics, Jadavpur University, Kolkata-700032, India	Ionic interactions and transport properties in chitosan-starch based blend solid biopolymer electrolytes
302	1564	Rutash Mittal, Major Singh and Pardeep Kumar	Mechanical Engineering Department, MIMIT Malout-152107, Punjab, India	Characterization of detonation gun thermal spray coatings on SA213T91 in simulated boiler environment
303	1565	Athira Krishnan, Beena S, Mamatha Chandran	Department of Chemistry, Amrita Vishwa Vidyapeetham, Amritapuri 690 525, India.	Fabrication and evaluation of CeO ₂ -Fe ₂ O ₃ mixed oxide for hydrogen evolution by photo water splitting reaction under visible light irradiation
304	1566	L. V. Kamble , S. N. Soman	Associate Professor, Mechanical Engineering Department, The M. S. University of Baroda, Vadodara, 390001, India.	Influence of Bobbin tool design on Quality of welds made by FSW of Aluminium Alloys

305	1567	Shalok Bharti , Varun Dutta Sanjay Sharma, Rajiv Kumar	Post Graduate Student, School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, India, 182320	A study on the effect of Friction Stir Processing on the hardness of Aluminum 6000 series
306	1571	G. Mandal, S. K. Ghosh , S. Chatterjee	Department of Metallurgy and Materials Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103, India	Effects of TMCP and QT on Microstructure and Properties of Ultrahigh Strength Steel
307	1574	N. K. Tewary, A. Gupta, G. Mandal, S. K. Ghosh, A. Das, P. Datta and A. Ghosh	Department of Metallurgy & Materials Engineering, Indian Institute of Engineering Science and Technology, Shibpur, Howrah -711103, India	Improvement of corrosion performance of DI pipe by newly invented CNSL based paint
308	1578	Balaji R , Sivakumar S, Mukesh Nadarajan, Ashish Selokar	Department of Mechanical Engineering, Hindustan Institute of Technology and Science, Chennai, India.	Effect of Surface Grinding on CFRP using Rotary Ultrasonic Machining
309	1582	Rajiv Kumar Yadav, Anadh Gandhi, Kumar Abhishek, Siba Sankar Mahapatra, Goutam Nandi	Department of Mechanical Engineering, Jadavpur University Kolkata-700032, West Bengal, India.	Effect of Feed and Nose radius on various machinability criteria in dry machining of Inconel 825
310	1583	V.S.Ganachari, U.N.Chate,L.Y.Waghmode, S.A.Mullya	Mechanical Engineering Department, ADCET, Ashta 416301, India	A Comparative Study of the Performance of the Dry and Near Dry EDM Processes in Machining of Spring Steel Material
311	1586	Anup A. Junankar, Jayant K. Purohit, Amir R. Sayed	Research Scholar, Poornima University, Jaipur	Minimum Quantity Lubrication System for Metal-Cutting Process: Sustainable Manufacturing Process
312	1589	Kamal Kishore Joshi, Ranjan K. Behera , Sambit Kumar Mohapatra, Sudhansu S Patro	School of Mechanical Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar-751024, India	Machinability Assessment of Inconel 800HT and its prediction using a hybrid fuzzy controller in EDM
313	1591	Bhat Shariq Ahmad, Charoo. M.S.	Mechanical Engineering Department, NIT Srinagar,190006, Jammu & Kashmir, INDIA	Effect of Additives on the Tribological Properties of Various Greases-A Review
314	1594	P.S.Yadav, Rajesh Purohit, Anil Kothari	Research Scholar, Department of Mechanical Engineering, Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal, (M.P.), India.	Study Of Friction And Wear Behaviour Of Epoxy/Nano Sio2 Based Polymer Matrix Composite- A Review
315	1597	Lakshman Sondhi, Amit Kumar Thawait,Subhashis Sanyal, and Shubhankar Bhowmick	Department of Mechanical Engineering,National Institute of Technology Raipur (C.G)-492010, India	Stress and Deformation Analysis of Variable Thickness Clamped Rotating Disk of Functionally Graded Orthotropic Material

316	1598	Anahad Pandey, Ramanuj Kumar, Ashok Kumar Sahoo, Amlana Panda, Ramesh Nayak	School of Mechanical Engineerin, KIIT Deemed to be University, Bhubaneswar 751024, India	A Brief Review on Ionic Fluids and its Application in Machining
317	1599	Thinh Van Pham, Thuan Van Tran, Trinh Duy Nguyen, Nguyen Thi Hong Tham, Phan Thanh Tri Quang, Dao Thi To Uyen, Nhan Thi Hong Le, Dai-Viet N. Vo, Nguyen Trung Thanh, Long Giang Bach	NTT Hi-Tech Institute, Nguyen Tat Thanh University, Ho Chi Minh City, Vietnam	Adsorption behavior of Congo red dye from aqueous solutions onto exfoliated graphite as an adsorbent: Kinetic and isotherm studies
318	1603	D. Harsha Vardhan*, A. Ramesh, B. Chandra Mohan Reddy	Research Scholar, Department of Mechanical Engineering, JNTUA Anantapur, Andhra Pradesh, India.	A Review On Materials Used For Marine Propellers
319	1604	Ankit kumar pandey, and S. S. Mahapatra	Department of Mechanical Engineering, Indian Institute of Technology, Bombay, Powai, Mumbai, India-400076	Investigation of Weld Zone obtained by Friction Stir Spot Welding (FSSW) of Aluminium-6061 Alloy
320	1605	Tobby Michael Agwe, Sneha Gupta ,Richard Okello Enen and Ireen Kabazira	M.Tech (Civil) Environmental Engineering Finalist Student, Madan Mohan Malaviya University of Technology, Gorakhpur (U.P.), 273010 India	Functionalities Analysis of Hand Crushed Chippings From Ngeta and Akia Rock Quarries in Lira District, Uganda, East Africa for their Suitability as Surfacing Materials for Low Volume Traffic Roads in Lira And Neighboring Districts
321	1609	Ranu Maurya, Rajesh Kumar Porwal, Rajnish Singhc	Faculty of Mechanical Engineering, Shri Ramswaroop Memorial University, Lucknow, India	Concerning Drifts to Optimization Techniques of Wire-EDM Process for Titanium Based Super Alloys: A Review
322	1610	Gagandeep Singh Kohli, Tejeet Singh, Harwinder Singh	Ph.D Research Scholar, IKGPTU, Jalandhar, 144603, India	Effect Of Temperature Gradient On Creep Analysis Of Functionally Graded Cylinder
323	1612	Ramai Ranjan Panigrahi, Amlana Panda*, Ashok Kumar Sahoo, Ramanuj Kumar	School of Mechanical Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar-24, Odisha, India	Machining Performance Measures of High Temperature Heat Resistant Super alloys: A Review
324	1618	A Kiran Kumar, P Venkataramaiah	Research scholar, Department of mechanical engineering, S.V. University, Tirupati, 517502, India	Heat assisted machining of Inconel 718 Alloy using Abaqus/Explicit
325	1622	L.Viswanadham , R.N.Rao, Ch.Sri Chaitanya, I.M.Chhabra, N.V.N.Rao	Department of Mechanical Engineering, National Institute of Technology, Warangal, India - 506004.	Effect of Material Addition on the Vibration Response of a Cantilever Beam

		Pasapudi		
326	1623	Sunil Sinhmar , Dheerendra Kumar Dwivedi	Mechanical & Industrial Engineering Department, Indian Institute of Technology Roorkee, Roorkee 247667, Uttarakhand, India	Investigation of mechanical and corrosion behavior of friction stir weld joint of aluminium alloy
327	1624	N.Roy, A. S.Kuar, S.Mitra	Department of Production Engineering, Jadavpur University, Kolkata,700032,INDIA	Multi-objective Optimization of Nanosecond Pulsed Laser Microgrooving of Hydroxyapatite Bioceramic
328	1629	Veeresh Murthy, Dileep Kumar. S, Saju. K. K, B. M. Rajaprakash, R. Rajashekar	Research scholar, Department of Mechanical Engineering, UVCE, Bangalore, INDIA	Optimization of Friction Stir Processing parameters for manufacturing silicon carbide reinforced aluminum 7075-T651 surface composite
329	1633	Shubhang G Kadadevaru, Vinayak N Kulkarni, V.N.Gaitonde	School of Mechanical Engineering, KLE Technological University, Huballi-580031, Karnataka, India	A Review on Surface Integrity Studies in Machining of Biomedical Alloys
330	1638	M.Peeru Naik , K.T.Balaram Padal	Scholar, Andhra University, Visakhapatnam, AP-530003, India	A review on friction and wear performance of Al-Si alloy/steel tribopair
331	1641	Soham Deshpande, Yogesh Deshpandea	Department of Industrial Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur	A Review On Cooling Systems Used In Machining Processes
332	1642	Sanjay Kumar Gupta, Shivansh Mehrotra, Avinash Ravi Raja, M.Vashista and M.Z. Khan Yusufzai	Department of Mechanical Engineering, PDPM IITDM Jabalpur- 482005, India	Effect of welding speed on weld bead geometry and percentage dilution in gas metal arc welding of SS409L
333	1649	B Prasad Kumar ,P Venkataramaiah, J Siddi Ganesh	Research Scholar, Department of Mechanical Engineering, S.V. University, Tirupati-517502	Optimization Of Process Parameters In Injection Moulding Of A Polymer Composite Product By Using GRA
334	1643	Sambit Kumar Mohapatra, Swayam Bikash Mishra, Kamal Kishore Joshi, Swastik Pradhan	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar, 751024, India	Effect of the hot deformation on mechanical and wear characteristics of the P/M AMC
335	1650	Varun Dutta, Lalit Thakur, Balbir Singh	School of Energy Management, Shri Mata Vaishno Devi University, Katra, India, 182320	A study on the effect of Friction Stir Processing technique for the marine applications
336	1652	Abhijith G, Abhishek R, Adithyan S, Adwaith P, Sivaselvi K	Department of Mechanical Engineering, Amrita Vishwa Vidyapeetham, Amritapuri, Kollam, 690525, India	Reinforcement of Bitumen Using Low Density Polyethylene and Green Sand
337	1655	Gyan Sagar Sinha P Muthukumar	Kalinga Institute of Industrial Technology, Bhubaneswar 751024, India	Material Characterization Role in Porous Media Combustion Stability and Performance

338	1654	Tusar Ranjan Soren, Ramanuj Kumar, Isham Panigrahi, Ashok Kumar Sahoo, Amlana Pandaa, Rabin Kumar Das	School of Mechanical Engineering, Kalinga Institute of Industrial Technology, Deemed to be University, Bhubaneswar-24, Odisha, India	Machinability behavior of Aluminium Alloys: A Brief Study
339	1670	Rejithamol R, Keerthy P R, Beena S	Department of Chemistry, Amrita Vishwa Vidyapeetham, Amritapuri, Clappana P.O, Kollam, 690525, India	A novel disposable pencil graphite electrode for the voltametric determination of cysteamine
340	1672	Ch.Priyadarsini, Dr.V.S.N. Venkata Ramana, K.Aruna Prabha, S.Swetha	VNRVJIET,Bachupally,Hyderabad,India.	A Review on Ball, Roller, Low Plasticity Burnishing Process
341	1674	Ratnam Ch, Sudheer Kumar B., Rohinikumar Ch.	Department of Mechanical Engineering,Andhra University, Visakhapatnam, A.P, India	Investigation of the Influence of Twin Pin Tool Geometry in Friction Stir Welding of Dissimilar Al alloys
342	1678	Rahul Naik, Somasekhara Rao T.	Department of Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, Karnataka, India-575025	Preparation and Characterization of flexible PVDF based polymer film for energy harvesting applications
343	1681	Asif Ahmad, Shahnawaj Alam	Assistant Professor, Department of Mechanical Engineering, Pranveer Singh Institute of Technology, Kanpur, 209305,Uttar Pradesh-India	Integration of RSM with Grey based Taguchi Method for optimization of pulsed TIG welding process parameters
344	1684	Arun Kumar Sharma, Prashant Baredar	Research Scholar Energy Centre, Maulana Azad National Institute of Technology, Bhopal,India	Study on Roof Tiles Developed by using Industrial Waste
345	1689	Navneet Khanna, Krupansh Desai, Arjun Sheth, Johan Øllgaard Larsen	Department of Mechanical Engineering, IITRAM, Ahmedabad 380026, Gujarat, India	CFRP Machining on Indigenously Developing Cryogenic Machining Facility: An Initial Study
346	1693	Barsharani Dash, Manojit Das,Monalisa Das, Trupti R Mahapatra,Debadutta Mishra	Department of Production Engineering, Veer Surendra Sai University of Technology (VSSUT), Burla – 768018, India	A Concise Review on Machinability of NiTi Shape Memory Alloys
347	1701	Krishna Kumar, Kamal Sharma, Sujit Verma, Neeraj Upadhyay	GLA University, Mathura-281406, India	Experimental Performance Investigation of Graphene-Paraffin Wax Nanocomposite for Thermal Energy Storage
348	1706	K.Logesh, S. Baskar , Md Azeemudeen.M, B.Praveen Reddy,Gajavalli Venkata Subba Sai Jayanth, Netragaonkar Adesh Sunilrao	Department of Mechanical Engineering, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, India-600062	Analysis of Cascade Vapour Refrigeration System with Various Refrigerants

349	1708	Hadeel Salih Mahdi and Azra Parveen	Department of Applied Physics, Z.H. College of Engineering & Technology, Aligarh Muslim University, Aligarh-202002, India	Biosynthesis, Characterization and Antibacterial Activity of Gold Nanoparticles (Au-NPs) using Black Lemon Extract
350	1711	Rashi Tyagi, karthikeyan Darmanglam, Vijay Kumar, Alok Kumar Das, Amitava Mandal	Department of Mechanical Engineering, Indian Institute of Technology (ISM), Dhanbad-826004, India	Deposition of WS ₂ and Cu nanopowder coating using EDC process and its analysis
351	1712	Adwaith S, Aswin Suresh, Akhila Raman, Kannan Reji, Parvathy G, Ananthkrishnan, Adithyakrishnan, Jitha S Jayan, Appukuttan Saritha	Department of Chemistry, Amrita School of Arts and Sciences, Amrita Vishwavidyapeetham, Amritapuri, Clappana PO, Kollam, Kerala	Effective reuse of CIIR nanocomposite based CPC by the evaluation of thermal decontamination as well as gas barrier properties
352	1716	K.Logesh a, S. Baskar, Krithick Vignesh.R, Mekala Jagadeesh, Gantyada Anand Ratna Kumar, S. Damodar Reddy	Department of Mechanical Engineering, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, India-600062	Performance Analysis Flow and Heat Transfer Characteristics of Secondary Refrigerant Based SiO ₂ Nanofluid
353	1723	Burney Jose, Sreedha Sambhudevan and Balakrishnan Shankar	Department of Chemistry, Amrita Vishwa Vidyapeetham, Amritapuri, India	Mechanical and Conducting Properties of Polyaniline Doped Natural Rubber Nanocomposites
354	1730	V.R.Myneni, Thanusha punugoti, N.Sasi Kala, N.R.Kanidarapu, Meena Vangalapati	Department of Chemical Engineering, ESEC, Erode-63805	Modelling and Optimization of Methylene Blue Adsorption onto Magnesium Oxide Nanoparticles loaded onto Activated Carbon (MgONP-AC): Response Surface Methodology and Artificial Neural Networks
355	1740	Wani Khalid Shafi, M.S.Charoo	Department of Mechanical engineering, National institute of technology, Hazratbal, Srinagar, 190006, India	Rheological Properties Of Sesame Oil Mixed With H-Bn Nanoparticles As Industrial Lubricant
356	1745	Praveen Kumar Balguri, D. G. Harris Samuel, Udayabhaskararao Thumu	Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad-500 043, India;	Silver Quantum Clusters: Effective Nanofillers for Improving the Fracture Toughness of Epoxy Composites
357	1750	Sruthi T, Jami Ashok, Monica Nissy S, Ch. Koteswara rao, Meena Vangalapati	Research Scholar Department of Chemical Engineering, Andhra University, Visakhapatnam, AP, India	Extraction and removal of Nickel from battery waste, using Nano sized activated carbon of Coconut shell and Tamarind seed powders in a column
358	1755	Parvathy Ajith, Aswathy.S. Murali, Sreehari. H, Bindhya. S. Vinod, Amrita Anil, Smitha Chandran. S	Department of Chemistry, Amrita School of Arts & Sciences, Amritapuri, Amrita Vishwa Vidyapeetham, Amrita University, Clappana PO, Kollam.690525, Kerala, India	Green Synthesis of Silver Nanoparticles using Calotropis gigantea extract and its Applications in Antimicrobial and Larvicidal activity.

359	1759	Ravikiran Balaga ,K.Ramji ,T.Subrahmanyam c,K.Raghu babu	Center for Nanotechnolgy,AUCE(A),Andhra University,Visakhapatnam,India,530003	Effect of temperature, total weight concentration and ratio of Fe2O3 and f-MWCNTs on thermal conductivity of water based hybrid nanofluids
360	1762	D V S Girisha, D.Sri Vivekb,T.Sruthic, Ch. Koteshwara raod and Meena Vangalapatie	B.tech Student, Department of Mechanical Engineering, Andhra University, Visakhapatnam,AP, India	Synthesis And Characterization Of Silver Nanoparticles Using Acidified Neem Saw Dust
361	1765	Prashant N. Ulhea, U. D. Patil,C. R. Patil	Kavayitiri Bahinabai Chaudhari North Maharashtra University,Jalgaon and 425001, India	Synthesis, Characterization and dye absorbing properties of cellulose acetate from used cigarette buds
362	1770	Richa Bhargava, Shakeel Khan, Naseem Ahmad and Mohd Mohsin Nizam Ansari	Department of Applied Physics, Z.H College of Engineering and Technology, Aligarh Muslim University, Aligarh-202002, India	Mg(OH)2/rGO nanocomposites for high performance electrodes
363	1773	Soumikh Roy , Ramanuj Kumar, Ashok Kumar Sahoo, Rabin Kumar Das	School of Mechanical Engineering, Kalinga Institute of Industrial Technology Deemed to be University, Bhubaneswar, Odisha, India	A Brief Review on Effects of Conventional and Nano Particle Based Machining Fluid on Machining Performance of Minimum Quantity Lubrication Machining
364	1777	Sarojrani Pattnaik , Mihir Kumar Sutar	Veer Surendra Sai University of Technology Burla	Graphene Base Nanocomposites: An overview
365	1778	Madhurima Das, Somenath Roy	Functional Material & Device Division, CSIR-Central Glass and Ceramic research Institute, 196, Raja S.C. Mullick Road, Kolkata-700032, India.	Preparation, Characterization and Properties of Newly Synthesized SnO2-Polycarbazole Nanocomposite via Room Temperature Solution Phase Synthesis Process
366	1779	Deepak, Rajesh Deb, Manjula G. Nair, Sudipt Halder, A. L. Sharma and Saumya R. Mohapatra	Department of Physics, National Institute of Technology Silchar, Silchar – 788010, Assam	Liquid Phase Exfoliation of MoS2 Nano-sheets and Observation of Resistive Switching Memory in MoS2 Nano-sheets-PVDF-HFP Composite Films
367	1782	B.VijayKiran, K.Mallikarjuna Rao,D.LingaRaju	Assistant Professor, Mechanical Engineering Department, B.V.Raju Institute of Technology, Narsapur and 502313, India.	An Investigation on Mechanical Properties of Hybrid Polymer Nanocomposite
368	1789	K.Logesh, S. Baskar, B.Yuvan Siddarth, K.Arun Sherwin, P.Naresh	Department of Mechanical Engineering, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, India-600062	Multi-walled carbon nanotube mixed with isopropyl alcohol Nano fluid for heat transfer applications
369	1790	Indradeep Kumar C. Dhanasekaran	Research Scholar, Department of Mechanical Engineering, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai-600117, India	A Review on Nano-Casing Of Jet Engine And Diesel Engine Using Single-Walled Carbon Nanotubes

370	1791	Krishna Chaitanya Katakam*, Natraj Yedla	Computational Materials Engineering Group, Department of Metallurgical and Materials Engineering National Institute of Technology Rourkela-769008, India	Influence Of Single Linear Surface Defect Orientation To Loading Direction In Nickel Nanowire Using Molecular Dynamics In Large Scale
371	1798	Sonam Chakraborty, Sucheta Sau and Mrinal Pal	CSIR-Central Glass and Ceramic Research Institute, Kolkata 700032, India	Impact of morphology on the electrical and photocatalytic property of CdS nanostructures
372	1803	Rajesh Kumar, Lalit M Bharadwaj, Arun K Lall	Department of Mechanical Engineering, UIET, Panjab University, Chandigarh-160014, India	Speed and load characterization of actin-myosin nanomotor
373	1804	Abhijeet Patil , Prashant Dhanke, Vivek Kore,Nitin Kanse	Chemical Engineering Department, PVPIT Budhgaon, Sangli (MH) 416 304	Thumba methyl ester production using prepared novel TiO ₂ nano-catalyst in ultrasonic cavitation reactor
374	1809	K. Kumari,R. Ramteke and M. R. Rahman	Department of Metallurgical and Materials Engineering, National Institute of Technology, Karnataka-575025, India	Complex Impedance Spectroscopy Properties of Fe ₃ BO ₆ Nanocrystallites Prepared by Combustion Method
375	1810	Sangharatna Ramteke, Raghuram Maddineni, H.Chelladurai	PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur (MP) India.	Formulation, stability analysis and characterization of boric acid based engine oil nanofluid for heat transfer application
376	1814	K.Logesh, S. Baskar, Reetesh Tiwari , Harish R a, Ajay S,Netragaonkar adesh sunilrao	Department of Mechanical Engineering, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, India- 600062	Al ₂ O ₃ /Ethylene Glycol-Carbon Nano Tube Nanofluids for heat transfer enhancement
377	1817	Indradeep Kumar, C. Dhanasekaran	Research Scholar, Department of Mechanical Engineering, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai-600117, India	Nanomaterial-Based Energy Storage And Supply System In Aircraft
378	1825	Virendra Kumar Yadav & M.H. Fulekar	School of Nanosciences, Central university of Gujarat, Gandhinagar-382030	Green synthesis and characterization of amorphous silica nanoparticles from fly ash
379	1829	K.Logesh, V.Ramesh,Thilak Kumar. P. B, Vijaya Kumar. P, Akash. B	Department of Mechanical Engineering, Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science and Technology, Avadi, Chennai, Tamil Nadu, India- 600062	Preparation and property studies of SiO ₂ /H ₂ O nanofluid
380	1835	B. Madhusudhana Reddy, Anand P	Research Scholar, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, India – 600 062	Exploration of properties of Al 5056/CNT metal matrix nano composites

381	1842	A.Vijay Kumar, C.H.Ratnam, V.V.S. Kesava Rao, Ch. Rohini Kumar	Department of Mechanical Engineering, Raghu Engineering College, Visakhapatnam, 531162, India	Study on influence of Die Angle in Cold Extrusion on Properties of Nano Sic Reinforced 6061 Aluminum Alloy
382	1844	Elvin Mathew Sebastian, Suyash Kumar Jain, Rajesh Purohit and R. S. Rana	Mechanical Engineering Department, MANIT Bhopal, M.P. 462003.	Nanolithography and its current advancements
383	1852	Sujit Kumar Verma , B.S.S. Daniel	Department of Mechanical Engineering GLA University Mathura, U.P., India-281406	Characterization of shape memory Nano alloy, Cu74Zn22Al4 (wt %) using high energy ball milling.
384	1857	Rajesh Purohit, Ramnarayan Singh, R. S. Rana and Mohammad Taufik	Mechanical Engineering Department, MANIT Bhopal, M.P. 462003	Nano Finishing Of Magnetic & Non Magnetic Materials By Using Magnetic Abrasive Finishing Process