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S.NO	Manuscript Number	Author Name	Affiliation	Paper Title
1	TMPT-2021-0718R1	Sunil Kumar ,Lokeswar Patnaik,Syed Mahammad Shafi,SAIKAT RANJAN MAITY	National Institute of Technology Silchar Department of Mechanical Engineering Ringgold ID 305242 INDIA	Relative effect of wear parameter on wear behavior of TiAlN coated tool steel and parametric optimization using MCDM method
2	TMPT-2021-0719R1	Khoman Kumar,Balaji Dabade,Lalit Wankhade	Department of Production Engineering, SGGS Institute of Engineering & Technology Nanded (Maharashtra)	Determination of Prediction model and optimization of process parameters for fabrication of Al-SiC composite using response surface methodology
3	TMPT-2021-0726R1	Mallapuram Bala Chennaiah,K Dilip Kumar,G Dilli Babu,Srinivasa Rao Rao,kamala Priya	Velagapudi Ramakrishna Siddhartha Engineering College	An Experimental Investigation on Emission Characteristics and Vibration Analysis of a Diesel Engine
4	TMPT-2021-0685R1	KAUSHIK KUMAR ,Ashutosh Ranjan,Arpan Kumar,APURBA KUMAR ROY	Birla Institute of Technology Ranchi, Jharkhand INDIA	Python Assisted Numerical Analysis of Heat Conduction for an Orthotropic Material
5	TMPT-2021-0716R1	VENKATA NAGA MOHAN MANCHIRAJU,Atul Ramesh Bhagat,Vijay Kumar Dwivedi	DRDO Advanced Systems Laboratory India	Generation of random microstructure in fiber reinforced composites and its comparison with carbon/carbon composite test samples through statistical analysis

6	TMPT-2021-0695R1	Anil Katarkar,Ajay Pingale,Sachin Belgamwar,Swapan Bhaumik	Ph.D. Scholar National Institute of Technology Agartala Mechanical Engineering, India	Fabrication of Cu@G composite coatings and their pool boiling performance with R134a and R-1234yf
7	TMPT-2021-0729R1	ANURAG NAMDEV,P.S. YADAV,RAJESH PUROHIT	Maulana Azad National Institute of Technology,MANIT BHOPAL	physical and Mechanical properties of hybrid composites using Kevlar fibre and NanoSiO ₂
8	TMPT-2021-0691R1	Padmakumar Muthuswamy	Kennametal Inc RD&E India	A novel wiper insert design and an experimental investigation to compare its performance in face milling
9	TMPT-2021-0684R1	Santosh Kumar Kumar Sahu,P.S.Rama sreekanth	Amrita Vishwa Vidyapeetham Amrita School of Engineering Bengalore: Amrita Vishwa Vidyapeetham Amrita School of Engineering Bengaluru	Mechanical, thermal and rheological properties of thermoplastic polymer nanocomposite reinforced with nanodiamond, carbon nanotube and graphite nanoplatelets
10	TMPT-2021-0679R1	Mahender T ,Balasundar I,Raghu T,AVSSKS Gupta	CMR Institute of Technology HYDERABAD, Telangana INDIA	Metamodels to describe the high temperature deformation behaviour of Al 2014+2wt% TiB ₂ composite
11	TMPT-2021-0698R1	Biswajit Majumder,Ajay Pingale,Anil Katarkar,Sachin Belgamwar,Swapan Bhaumik	National Institute of Technology Agartala	Developing Al@GNPs composite coating for pool boiling applications by combining mechanical milling, screen printing and sintering methods
12	TMPT-2021-0694R1	Nishant K Singh,Nitesh Kumar Singh,Dhiren Pandit,Kuldeep K Saxena	National Institute of Technology, Raipur	Recent Trends in Bio-Materials and Advances in Design of Spinal Fusion Implants
13	TMPT-2021-0689R1	Ayush Owhal,Ajay Pingale,Sachin Belgamwar	Birla Institute of Technology and Science Pilani Author Institution is Unverified India	Dveloping sustainable Zn-MWCNTs composite coatings using electrochemical codeposition method: Tribological and surface wetting behavior
14	TMPT-2021-0705R1	Vinayak Raghunath Malik ,KULDEEP KUMAR SAXENA	Gogte Institute of TechnologyRinggold ID 56966 Belagavi, Karnataka INDIA	Understanding Tool-Workpiece Interfacial Friction in Friction Stir Welding/Processing and its effect on Weld Formation
15	TMPT-2021-0737R1	Bandhavi Challa,Seeram Srinivasa Rao	Gokaraju Rangaraju Institute of Engineering and Technology Author Institution is Unverified INDIA	High Temperatures Deformation and Formability Evaluation Of $\alpha+\beta$ Brass Sheet by Experimental &Theoretical Approaches
16	TMPT-2021-0717R1	Royal Madan,Shubhankar Bhowmick	National Institute of Technology Raipur Raipur, INDIA	Material modelling and limit angular speed analysis of porous trigonometric functionally graded rotating disk

17	TMPT-2021-0687R1	Mohd Yunus Khan,P.S. Rao,B.S. Pabla	National Institute of Technical Teachers' Training and Research Chandigarh Author Institution is Unverified India	An Experimental Study on Magnetic Field-assisted-EDM Process for Inconel-625
18	TMPT-2021-0711R2	Jinesh Kumar Jain,Vishal Bhojak,Amar Patnaik,Kuldeep Kumar Saxena	Malaviya National Institute of Technology Department of Mechanical Engineering JAIPUR, Rajasthan INDIA	Investigation of annealing on CR-2 grade steel using Taguchi and Taguchi based Gray Relational Analysis
19	TMPT-2021-0686R1	SUDHEER KUMAR BATTULA,P.RAMAMURTHY RAJU,RATNAM. CH	Lakireddy Balireddy College of Engineering Author Institution is Unverified MYLAVARAM, ANDHRAPRADESH India	Dynamic Mechanical Properties of Magneto-rheological Polyurethane Elastomers in Comparison to Existing Antivibration Rubbers.
20	TMPT-2021-0722R1	Lokeswar Patnaik ,Bandi Venkata Ramana Reddy,Saikat Ranjan Maity,Sunil Kumar,Krishna Murari Pandey	National Institute of Technology Silchar Department of Mechanical Engineering INDIA	Enhancement of microstructure and mechanical performance of spray formed Al-6Si-18Pb Alloy by warm rolling
21	TMPT-2021-0683R1	Sahil Garg,Vishal Francis,KULDEEP Kumar Saxena,Prashant K. Jain,Lade Jayahari, Deepak Kumar	Lovely Professional University Faculty of Technology and Sciences Naya Nangal, India	Effect of Chemical and Heat Treatment on 3D Printed Parts: Nanoparticles Embedment Approach
22	TMPT-2021-0706R1	Kahtan A. Mohammed,Kareema M. Ziadan,Alaa S. AL-Kabbi,Kuldeep K Saxena,Rahman S. Zabibah,Ali Jawad Alrubaie,Jalal Hasan Mohammed,	Hilla university college Iraq	Optical, Morphological, Electrical Properties and white light photoresponse of CdSe Nanoparticles
23	TMPT-2021-0720	Omolayo Ikumapayi,Esther Akinlabi,Ayuba S. Osinubi,Nkosinathi Madushele,Olayinka O. Abegunde,Samuel O. Fatoba,Stephen A. Akinlabi	Afe Babalola University ,Nigeria	Characterizations of AA5083-H116 produced by friction stir spot welding technique
24	TMPT-2021-0736R1	Tanya Buddi,Durga Bhavani Bathula,Harrison Shagwira,F.M. Mwema,K. V. Durga Rajesh	Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, Telangana India	ANALYSIS ON BEHAVIOR OF Ti-6Al-4V & Ti-5553 BY PERFORMING TURNING OPERATION USING DEFORM-3D
25	TMPT-2021-0710R1	Omolayo Ikumapayi,Adeniran Afolalu,Adebayo T. Ogundipe,Osise O. Okwilagwe,Olamilekan R.	Afe Babalola University Nigeria	Development of Composite Filters from Biochars for Wastewater Treatment

		Oloyede,Adeyinka O. M. Adeoye Adeoye		
26	TMPT-2021-0727R1	Djukumar Baro,Sachindra Mahto	North Eastern Regional Institute of Science and Technology NIRJULI, Arunachal Pradesh India	Dynamics of viscoelastic material sandwich beam
27	TMPT-2022-0034R1	Ganesh Kakandikar,Omkar Kulkarni	MIT World Peace University Pune, Maharashtra INDIA	Formability Investigations with Microstructural Investigations for Zirconium 702 Thin Foils: Bio-Material Applications
28	TMPT-2021-0708R1	Tope Roseline Olorunfemi,Nnamdi Nwulu,Sikiru Ismail	University of Johannesburg - Auckland Park Bunting Road Campus,South Africa	Composites as candidate materials for photovoltaic cells
29	TMPT-2021-0703R1	Suresh Kumar Tummala,Phaneendra Babu Bobba,Satyanarayana Kosaraju	Gokaraju Rangaraju Institute of Engineering and Technology INDIA	SEM & EDAX Analysis of Super Capacitor
30	TMPT-2022-0009	Fredrick Mwema,Esther Akinlabi,.....	South Africa	Investigation into the Effects of milling input parameters on the material removal rate and surface roughness of polypropylene + 80wt.% Quarry dust composite during Machining

**Proceedings Of The Institution Of Mechanical Engineering, Part E : Journal Of Process
Mechanical Engineering (I.F 1.620)**

S.No	Paper Id	Author Nmae	ArticleTitle
1	JPME-22-0294	Dr. Chetan Nikhare	Effect of oscillation on the deformation behavior of single point incremental formed part
2	JPME-22-0271	Dr. Chetan Nikhare	Deformation behavior of advanced high strength steel with different strain hardening exponents during tube hydroforging
3	JPME-22-0248	Dr. Kuldeep Saxsena	Effects of nano filler powder during microwave-based joining of SS304 butt joints
4	JPME-22-0272	Dr. Nitin Kotkunde	Analysis of Forming Characteristics for Dual Phase Steel under Warm Incremental Forming Process
5	JPME-22-0273	Dr. Nitin Kotkunde	Flow Stress and Work Hardening Behaviour of Mg-3Al-1Zn Alloy
6	JPME-22-0280	Dr. Fredrick Mwema / Prof. Esther Akinlabi	Temperature Analysis in CNC Milling of Medical-Grade Poly (methyl methacrylate) (PMMA)"
7	JPME-22-0289	Ashish Kumar / Prof. Rajesh Purohit	Investigation of wear and friction characteristic of Al/(Si3N4)np Nano Composites under as-cast and Heat-treated conditions
8	JPME-22-0291	Dhiren Pandit	Influence of Foaming Agents on Mechanical and Microstructure Characterization of AA6061 Metal Foams
9	JPME-22-0257	Nayan, Niraj	Microstructure and work hardening behavior of Al-Cu-Li alloy (AA2198) in different temper conditions
10	JPME-22-0316	Dr. Amit Sharma	Empirical modeling and multi-objective optimization for Nd-YAG laser cutting of Al 6061-T6 alloy sheet

11	JPME-22-0295	Ved Prakash and Prof. D. Ravi Kumar	Numerical analysis of non-isothermal warm deep drawing of an Al-Mg alloy using different yield criteria and experimental validation
12	JPME-22-0298	Dr. Kurra Suresh	A comparative study on the effect of grid printing methods and camera hardware in automatic strain measurement through CGA
13	JPME-22-0311	Ashutosh Panchal, Dr. AK Singh	On the Development of Gelcasting Process for Tungsten and Its Alloys
14	JPME-22-0258	Dr. Niraj Nayan	Microstructure and tensile properties of Al-Cu-Li alloy: Effect of Strain Path
15	JPME-22-0326	Prof. Sujith Ravindran/ Dr. Kurra Suresh	A Study on Tensile Flow and Strain Hardening Behaviour of β -Titanium at Elevated Temperatures
16	JPME-22-0336	Dr. AK Singh	Structure, Processing, Property Correlation of Metastable β Titanium Ti-5Al-5Mo-5V-3Cr alloy
17	JPEM-22-0340	Dr. Nikhil (IIT BHU)	tensile properties of cross cryo-rolled and room temperature rolled 6063 Al alloy
18	JPEM-22-0318	Dr. Vijay Verma	Estimation of fatigue crack growth rate in different zones of friction stir welded AA7039
19	JPME-22-0344	Dr Tanya	Evaluation of Mechanical and Physical Properties of Coconut Fibre Biocomposite Reinforced with Soya Adhesive
20	JPME-22-0309	Dharmendra Singh	Influence of Processing and Microstructure on the Corrosion Behavior of UFG Al 5083 Alloy

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S.No	Paper ID	Author	Title	Registered Status
1	IJDM-D-22-00281	khoman kumar	Experimental Investigation and Parameters Optimization for better wear performance at elevated temperature of aluminium Composites using RSM and GRA	Registered
2	IJDM-D-22-00297	Viswas mahesh	Conceptual Design on Optimal Thickness Selection of Natural Compliant Composite for Ballistic Protection	Registered
3	IJDM-D-22-00277	Pankaj Sharma	Computational characteristics of an exponentially functionally graded piezoelectric beam	Registered
4	IJDM-D-22-00279	Sunil Kumar	Wear parameter optimization for CrN/TiAlSiN coating using novel BWM integrated TODIM decision-making approach	Registered
5	IJDM-D-22-00292	khoman kumar	Experimental Investigation on Tribological performance and Development of wear prediction equation of Aluminium composite at elevated temperatures	Un Registered
6	IJDM-D-22-00306	Sharad Gaikwad	Simulation Based Design and Development of a Trepanning Tool for Stainless Stee	Un Registered
7	IJDM-D-22-00299	Vivek Kumar	Applying ANN – PSO Algorithm to Maximize the Compressive Strength and Split Tensile Strength of Blended Self Curing Concrete on the Impact of Supplementary Cementitious Materials	Un Registered

8	IJDM-D-22-00302	Sachindra Mahato	Analysis and parametric optimization in hard turning of titanium Grade-I using grey relational analysis	Un Registered
9	IJDM-D-22-00301	Vinod Yadav	Inverse method to find the friction factor in metal forming process based on asperity-based deformation	Un Registered
10	IJDM-D-22-00296	Manish	Study of Hydrogen Embrittlement in Austenite Stainless Steel Type 316L: A review	Un Registered
11	IJDM-D-22-00283	Omolayo	Modeling of viscosity of composite of TiO ₂ -Al ₂ O ₃ and ethylene glycol nanofluid by artificial neural network: experimental correlation	Un Registered
12	IJDM-D-22-00303		Finite element and numerical analysis for structural responses of natural Fibre based epoxy composite	Registered
13	IJDM-D-22-00312		Computational Modelling of Tensile Flow Parameters for 2219Al Alloys Microalloyed with Cd	Registered
14	IJDM-D-22-00311		Experimental Investigation and optimization for friction and wear behavior of aluminum LM 25/h-BN /B ₄ C composites via mixture design and Desirability Approach	Registered
15	IJDM-D-22-00306		"Simulation Based Design and Development of a Trepanning Tool for Stainless Steel	Un Registered
16	IJDM-D-22-00318		Optimization of Mechanical Properties of High Strength Dual Phase Steel through Thermo-Mechanical Simulation	Un Registered

17	IJDM-D-22-00331		Experimental investigation and optimization of powder metallurgy processing parameters of Si3N4/HfC/MoS2 reinforced with Al 7075	Registered
18	IJDM-D-22-00336		Numerical and experimental analysis of residual stress in dissimilar metals of Inconel 718 and AISI 316 developed in GTAW process	Registered
19	IJDM-D-22-00290	khoman kumar	Digital Manufacturing Approach for Process Simulation and Layout Optimization	Un Registered
20	IJDM-D-22-00319	A.Anitha lakshmi	Hot Forming Behaviour of Tailor Welded Aluminium (AA6061- AA8011) Alloy sheets using Friction Stir Welding	Un Registered
21	IJDM-D-22-00275	Mayurkumar Makhesana	Optimization of MQL parameters and experimental investigations using vegetable oil-based cutting fluid during machining of AISI 4140	Registered

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1	Ranjan Kumar and Kaushik Kumar	Birla Institute of Technology, Mesra, Ranchi	Piezoelectric Smart Material Based Self-Charging Supercapacitor – An Extensive Review
2	K. Sunil Kumar Reddy, M.Kannan, R.Karthikeyan	Associate Professor, Mechanical Engg. Department, GRIET, Hyderabad.	Investigation of Mechanical and Thermal properties of Hybrid Metal Matrix Composites (Al 7475/ CSA/Graphite)

3	Balaji Viswanadhapalli, Bupesh Raja V.K, Bharat Singh	Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad-500090, India	MICROSTRUCTURAL FEATURES AND MECHANICAL BEHAVIOR OF LASER WELDED MAGNESIUM ALLOY SHEET
4	MurahariKolli, Satyanarayana Kosaraju, DevarajuAruri Medikondur Nageswararao	Lakireddy Bali Reddy College of Engineering, Mylavaram, Andhra Pradesh	Influence of Rotary Assisted Electrical Discharge Machining of 17-4PH Stainless Steel Using Taguchi Technique
5	Baloji Dharavatha, M.T. Naika, Anand Badrish, Tanya buddi, Soni Kumari, Kuldeep K Saxena	Department of Mechanical Engineering, JNTUH, Hyderabad 500072, India	Experimental and Finite Element Studies of Stretch Forming Process for ASS 316L at Elevated Temperature
6	Bandhavi Challa, Seeram Srinivasa Rao	Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad-500090, TS, India;	Hot Deformation Behavior and Strain Rate Sensitivity of $\alpha+\beta$ Brass Sheet by Uniaxial Material Constitutive Equations
7	Ashish Kumar, Ravindra Singh Rana, Rajesh Purohit	Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, India.	Modeling of dry conditioned sliding wear and friction behavior of Heat-treated Silicon nitride strengthened Al metal matrix nanocomposites
8	Roopesh Kumar, Abhijeet Ganguly and Rajesh Purohit	Research Scholar, Department of Mechanical Engineering, CSIT Durg, India	Production of Bamboo Fibre Reinforced Epoxy Hybrid Composite with Nano SiO ₂ Particles

9	J. Somasekar, G.Ramesh, Gandikota Ramu, P.Dileep Kumar Reddy, Karanam Madhavi, J. Praveen	Department of CSE, Gopalan College of Engineering and Management, Bangalore, India	The Beneficial Preprocessing Technique for SEM Image Analysis of Polymer Nanocomposites to Assist in Accurate Filler Content Estimation
10	V Dharma Singh, M Manzoor Hussain, and Swadesh Kumar Singh	Mechanical Engineering Department, Muffakham Jah College of Engineering and Technology Hyderabad-500034, Telangana, India	Study of Coefficient of Friction and Springback Analysis of Brass in Bending at Elevated Temperature Conditions
11	Sarada Prasad Parida, Pankaj Charan Jena	Department of Production Engineering, Veer Surendra Sai University of Technology, Burla, Odisha, India, 768018	Multi-fillers GFRP laminated composite plates: Fabrication & Properties
12	Susmitha Valli Gogula, K.Madhavi, Gopala Krishna. P, Tanya Buddi	Department of Computer Science Engineering, GRIET, Bachupally, Hyderabad, Telangana 500090, India	An IOT based application for sorting materials and sanitary from household/medical waste
13	Tanya Buddi, Susmitha Valli Gogula, Kuldeep K Saxena	Department of Mechanical Engineering, GRIET, Bachupally, Hyderabad, Telangana 500090, India	Manufacturing and Evaluation of Mechanical Properties by identifying Temperature and Moisture content with IOT for rice husk particleboards
14	A. Anitha Lakshmi , Srinivasa Rao Ch. , Piyush Singhal	Department of Mechanical Engineering, GRIET, Hyderabad, India	EFFECT OF FORMABILITY PROCESS PARAMETERS IN DYNAMIC STRAIN AGEING REGION OF AUSTENITIC STAINLESS STEEL
15	K. Limbadri, Kurra Suresh, Swadesh Kumar Singh	MLR Institute of Technology, Hyderabad, 500043.	Comparative study of flow stress modeling of Zircaloy-4 sheets manufactured from different routes

16	Anurag Namdev, Amit Telang and Rajesh Purohit	Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, (M.P.), India.	An experimental assessment of abrasive wear behavior of GNP/Carbon fiber/epoxy hybrid composites
17	Suresh Kumar Tummala, Indira Priyadarshini T	EEE Department, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, INDIA	Morphological Operations and Histogram analysis of SEM Images using Python
18	Aarjoo Jaimina, Nitin Kotkunde, AyushMorchhale, Aditya Raj Ananda, Anurag Sadhukhana, Swadesh Kumar Singh	Mechanical Engineering Department, BITS Pilani- Hyderabad Campus, Hyderabad, Telangana, India;	Temperature and Strain Rate Dependent Anisotropic Plastic Deformation Behavior of AZ31B Mg Alloy
19	Nitin Muttil, Sandeep Chaudhary, K.eswar Prasad, Swadesh Kumar Singh	Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad, 500090, India.	Waste tyre recycling: A review of potential applications with a focus on permeable pavements
20	Samir Kumar Panda, Sweta Rout, Debasish Panigrahi, Debabrata Dhupal	Department of Production Engineering, Veer Surendra Sai University of Technology, Burla, 768018, India	Experimental Investigation on Dimensional Characteristics and Surface Morphology of Microchannels Fabricated on Smart Ceramic by DPSS Nd:YAG Laser

MATPR

S.NO	Manuscript Number	Paper ID	Author Name	Affiliation	Paper Title	Registered Status
1	MATPR-D-21-08087R1	105	Sarafadeen Tunde Azeeza*, Peter Madindwa Mashininia	Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Doornfontein campus, Johannesburg 2028, South Africa	Mathematical modeling of friction stir welding and processing – a short review	Registered
2	MATPR-D-21-11078R1	110	Surajkumar Narhari Tekale , Dhananjay R. Dolas	JNEC: Mahatma Gandhi Missions Jawaharlal Nehru Engineering College INDIA	Study of fabrication methods and various reinforcements with Aluminium for automotive application- A review	Registered
3	MATPR-D-22-01488	112	Ferdaous AGHZIEL SADFAa,1 , <i>Mouhcine BEN AICHAb</i> , Mounir ZAHERA, <i>Adil HAFIDI ALAOUId</i> , <i>Yves BURTSHELL</i>	Mechanical and Civil Engineering Laboratory, FSTT, Abdelmalek Essaâdi University, Tangier, Morocco	New test for the determination of static segregation of selfcompacting concrete: three-circles test	Registered
4	MATPR-D-21-08073R1	114	Sarafadeen Tunde Azeeza*, Peter Madindwa Mashininia	Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Doornfontein campus, Johannesburg 2028, South Africa	Radiography examination of friction stir welds of dissimilar aluminum alloys	Registered
5	MATPR-D-22-02882	120	Mohammad Zaher Serdara , Barlas Özdan Çağlayanb , and Sami G. Al-Ghamdia	Division of Sustainable Development, College of Science and Engineering, Hamad Bin Khalifa University, Qatar Foundation, Doha 122104, Qatar	A Special Characteristic of an Earthquake Response Spectrum Detected in Turkey	Registered
6	MATPR-D-21-08074R1	122	Sarafadeen Tunde Azeeza*, Peter Madindwa Mashininia	Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Doornfontein campus, Johannesburg 2028, South Africa	Reliability and properties enhancement of as-cast aluminum alloy through gating system design	Registered
7	MATPR-D-22-00576R1	125	Arpan Kumar	Dept. of Computer Sc., Ramakrishna Mission Vidyamandira, Belur, Howrah, INDIA	Virtual Prediction of Material Properties	Registered

8	MATPR-D-22-00143R1	129	Bhupendra Kumar, Amit Joshi, K. K. S. Mer, Lalta Prasad, Manoj Kumar Pathak, Kuldeep K. Saxena	G. B. Pant Institute of Engineering and Technology, Pauri Mechanical Engineering Pauri (Garhwal)	The impact of centrifugal casting processing parameters on the wear behaviour of Al alloy/Al ₂ O ₃ functionally graded Materials	Registered
9	MATPR-D-22-00061R1	130	AkshatSharma,AyushVerma, DevashishVashisth,PradeepKhanna	Netaji Subhas Institute of Technology: Netaji Subhas University of Technology Search for articles by this author in MEDLINE® New Delhi, Delhi INDIA	Prediction of Bead Geometry Parameters in MIG Welded Aluminium Alloy 8011 Plates	Registered
10	MATPR-D-22-00504R1	136	P V R K Reddy,*, Dr. D Ravi Prasad	Department of Civil Engineering, National Institute of Technology, Waranagal, 506004, India	A study on workability, strength and microstructure characteristics of graphene oxide and fly ash based concrete	Registered
11	MATPR-D-22-00252R1	142	Haitham M. Wadullah, Mohsin Talib Mohammed, Tariq Khalid Abdulrazzaq	Mechanical of Power Department, Faculty of Engineering Technical College, Northern Technical University, Mosul, Iraq	Structure and Characteristics of Nb ₂ O ₅ Nanocoating Thin Film For Biomedical Applications	Registered
12	MATPR-D-22-01025	146	Joan Nyikaa, Megersa Dinka	University of Johannesburg, Department of Civil Engineering Science, APK Campus 2006, Johannesburg, South Africa	Sustainable Management of Textile Solid Waste Materials: The Progress and Prospects	Registered
13	MATPR-D-22-00353R1	149	Rasmeet Singha,1, Jagmehak Kaurb , Kashvi Guptab, Mandeep Singhc , Rahul Kanaoujiyad, Navneet Kaure	School of Chemical and Biomolecular Engineering, The University of Sydney, Camperdown, Sydney, New South Wales 2006, Australia	Recent advances and applications of polymeric materials in healthcare sector and COVID-19 management	Registered
14	MATPR-D-22-00577R1	152	Meeravali Karumanchi* , Nerella Ruben, Indira Mikkili3	Department of Civil Engineering, Vignan's Foundation for Science, Technology, and Research (Deemed to be University), Vadlamudi, Guntur-522213, A.P, India	An integrated approach on extraction methodologies of nanosilica from cultivated agricultural wastes and microstructural characteristics – A review	Registered
15	MATPR-D-22-00749R1	156	Joan Nyika, Megersa Dinka	University of Johannesburg, Department of Civil Engineering Science, APK Campus 2006, Johannesburg, South Africa	Recycling Plastic Waste Materials for Building and Construction Materials: A Minireview	Registered

16	MATPR-D-22-01022R1	160	D.Sonia , Venu Malagavelli , Praveen Kumar Balguri	Department of Civil Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, 500043, India	Strength Assessment of PVC Pipes filled with Geo-Polymer Concrete as Slender Column	Registered
17	MATPR-D-22-02100	161	Navdeep Singha, Akshit Gupta* ^b , and Md Marghoobul Haquec	Assistant Professor, Department of Civil Engineering, Dr B R Ambedkar National Institute of Technology, Jalandhar, 144011, India	A review on the influence of copper slag as a natural fine aggregate replacement on the mechanical properties of concrete	Registered
18	MATPR-D-22-01021R1	164	Thejaswini Vaddeboina , Gude Rama krishna , Praveen Kumar Balguri	Department of Civil Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, 500043, India	Effect of Steel Slag on the Properties of Self Compacting Concrete	Registered
19	MATPR-D-22-00610R1	167	*S. Sathees Kumara , K Viswanath Allamrajua , Pravat Ranjan Patia , Praveen Kumar Gandlaa	Department of Mechanical Engineering, Institute of Aeronautical Engineering, Hyderabad – 500043, Telangana, India.	Exploration of tribological estimation on alumina reinforced polymer mixtures evaluated by ANOVA approach	Registered
20	MATPR-D-22-00896R1	168	Zarghaam Rizvia , Arshi Aminb , Joan Chetam Christine Arpa , Frank Wuttkeal	Geomechanics & Geotechnics, Kiel University, Germany	Fracture Toughness Mode I of Glass Fibers improved Soil	Registered
21	MATPR-D-22-00836R2	172	V Dharam Singh and M Manzoor Hussain	Mechanical Engineering Department, Muffakham Jah College of Engineering and Technology Hyderabad-500034, Telangana, India	A Comparison of Formability on Brass alloy at Room and 773 K Temperature	Registered
22	MATPR-D-22-02000R1	179	Ramya Golli , Chandana Thummaneni , Meena Vangalapati	M.Tech student, Department of chemical engineering, Andhra University College of Engineering(A), Visakhapatnam 530003, India	Green Synthesis and Characterization for the extraction of Kaempferol from Brassica oleracea var. italica - Antibacterial activity	Registered
23	MATPR-D-22-01229R1	182	Aditya Maithani, Ishan Sahni , Vijesh V. Joshic	Vijesh V Joshi, PhD Vellore Institute of Technology: VIT University INDIA	A Review of Thermal, Physical, Electrical Properties of	Registered

					Spider Silk and their Experimental Setups	
24	MATPR-D-22-01382R1	185	C. Sumalatha* , P.V. Chandra Sekhar Rao , V.V.Subba Rao,M.S.K.Deepak	Assistant Professor, Maturi Venkata Subba Rao Engineering College, Nadergul,Hyderabad,Telangana,501510, India.	Effect of grain refiner, modifier and graphene on the mechanical properties of hyper eutectic Al-Si alloys by experimental and numerical investigation	Registered
25	MATPR-D-22-01957R1	189	Sasmita Sahu, Sourav Paikaray ,Dinesh Kumar Behera, Bijaya Bijeta Nayak	KIIT Deemed to be University, Bhubaneswar, 751024, India	Fault Detection in Structural Elements: Using Flexible Fuzzy Logic Model	Registered
26	MATPR-D-22-01994R1	191	Sachin ¹ , Shubham Pal ¹ , Renuka Bokolia ¹	Department of Applied Physics, Delhi Technological University, New Delhi, India	Shape Controlled Synthesis of Gold Nanoparticles by tweaking of VP and their Dye Degradation Capability	Registered
27	MATPR-D-22-01954R1	192	Haruna Muhd Inuwaa , Anil Kumara , Avinash Ravi Rajab , Sudesh Singha*	Mechanical Engineering, School of Engineering and Technology, Sharda University, Greater Noida, U.P., India- 221310	Status of Industry 4.0 applications in Healthcare 4.0 and Pharma 4.0	Registered
28	MATPR-D-22-01737R1	197	Piyush Agrawal and Shushant Singh	Department of Mechanical Engineering, Uttaranchal University,Dehradun (248007),India	Numerical simulation analysis to estimate stress fields along the rectangular crack tip in foams	Registered
29	MATPR-D-22-02340	202	Nicky P. Patela , Kamlesh V. Chauhana*	CHAMOS Matrusanstha Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology (CSPIT), Charotar University of Science and Technology (CHARUSAT), Changa-388421, Gujarat, India	Consequences of Variation in Oxygen Partial Pressure on Zirconium Oxide Thin Films	Registered
30	MATPR-D-22-02467	203	Shashwath Patil*, P. Sudhakar Rao , M. S. Prabhudev, Mohd Yunus Khan, G. Anjaiah	M.Tech Scholar, Department of Mechanical Engineering, National Institute of Technical Teachers Training and Research, Chandigarh, India.	Optimization of Cutting Parameters During CNC Milling of EN24 Steel with	Registered

					Tungsten Carbide Coated Inserts: A Critical Review	
31	MATPR-D-22-01081	208	A. Somaiaha*1, B. Anjaneya Prasad, N. Kishore Nath	Research Scholar, J.N.T.University, Hyderabad, 500085, India	A Comprehensive Review: Characterization of Glass Fiber Reinforced Polymer Composites with Fillers from a Thermo-Mechanical Perspective	Registered
32	MATPR-D-22-01005R1	211	Priyadarsini Morampudi, Sumalatha Gurrapu*	(VNR Vignana Jyothi Institute of Engineering & Technology, Mechanical Engineering Department, Hyderabad, Telangana, India)	Modelling and Analysis of a Customized Die for Blow Moulding Machine	Registered
33	MATPR-D-22-02299R1	212	Bikash Banerjeea , Sushovan Chatterjeeb* , Jinia Dattaa , Sabarni Dutta Sahaa	Abacus Institute of Engineering & Management, Hooghly, West Bengal, India.	Application of phase changing materials in a CSP plant for thermal energy storage: A review on recent developments	Registered
34	MATPR-D-22-01430R1	215	Vineet Khened*,Shubham Bhandarkar ,Pankaj Dhattrak	PG Students, School of Mechanical Engineering, Dr. Vishwanath Karad, MIT-WPU, Pune, India	Dental Implant Thread Profile Optimization using Taguchi Approach	Registered
35	MATPR-D-22-02878	220	Prem Nath Yadav,Gurpreet Singh ,Arnab Chanda	Centre for Biomedical Engineering, Indian Institute of Technology (IIT) Delhi, India	Biomechanical Modeling of Cerebral Aneurysm	Registered
36	MATPR-D-22-02848	221	Chandrashekhar S. Malalli,* , B.R. Ramji	Research scholar, Department of Industrial Engineering and Management, BMS college of Engineering, Bengaluru, India	MECHANICAL CHARACTERIZATION OF NATURAL FIBER REINFORCED POLYMER COMPOSITES AND THEIR APPLICATION IN PROSTHESIS: A REVIEW	Registered
37	MATPR-D-22-02873	228	Harihar Tarai, Priyaranjan Samal* , Pandu R. Vundavilli, B. Surekha	School of Mechanical Sciences, Indian Institute of Technology Bhubaneswar, Odisha, India, 752050.	Experimental Study of Microstructural and Mechanical Characterization of Silicon-Bronze Copper Alloy	Registered

					(C87600) Hybrid Composites Reinforced with SiC-Gr Particles by Stir Casting	
38	MATPR-D-22-02869	229	M. Naveen Kumara , B. Sundeep Kumara , R. Vasanth Naika , A. Anitha Lakshmib	UG scholars, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India	Effect of Formability Parameters on Tailor Welded Blanks AA6061 and AA8011 Sheets	Registered
39	MATPR-D-22-02936	231	Abhishek M. Thotea	School of Mechanical Engineering, Dr. Vishwanath Karad MIT - World Peace University, Pune, Maharashtra, India – 411038	Determining the desired position of mini-implants in an orthodontic treatment for correction of deep overbite	Registered
40	MATPR-D-22-02956	236	Ankita Banwala, Renuka Bokoliaa	Department of Applied Physics, Delhi Technological University, Delhi	Preparation and characterisations of Yb ₃ + substituted BaBi ₂ -yNb ₂ YbyO ₉ ferroelectric ceramic	Registered
41	MATPR-D-22-02945	238	Gurpreet Singh, Inderdeep Singh	Department of Physical Sciences, Sant Baba Bhag Singh University(144030), Jalandhar, India	New Laplace variational iterative Technique to solve Two-Dimensional Schrodinger equations	Registered
42	MATPR-D-22-02794	242	Noor Najm Ali H. Ataiwi Rana A. Anae	University of Thi – Qar, Iraq	Effect of Indium Coating on Corrosion Behavior of AZ31 Mg Alloy by DC Sputtering	Registered
43	MATPR-D-22-02801	244	Pratik Kumar Singha , Monika Singha , Saurabh Mishraa*	Centre for Advanced Studies, Dr APJAKTU Lucknow, Lucknow, U.P. -226031, India	Tin-Oxide Nanoparticles for Detecting Hazardous Gas: Synthesis and Characterization	Registered
44	MATPR-D-22-02621R1	249	R.P. Barota*, M.P. Sutariab	Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology, Charotar University of Science and Technology (CHARUSAT), Changa – 388421. Gujarat, India.	Effect of Multiple Remelting on Behaviour of AlSi5Cu3 Aluminium Alloy	Registered

45	MATPR-D-22-02259R1	250	Surendra Kumar Saini	Department of Mechanical Engineering, Poornima College of Engineering Jaipur, Rajasthan-302022, India	Response Parameters Modeling of Abrasive Jet Machined Composite using Artificial Neural Network	Registered
46	MATPR-D-22-02865R1	251	Phanibhatla Hari Hara Rohith Sharma*, Basavaraj V. Deshmukhb	PG Student, Department of Civil Engineering, Marri Laxman Reddy Institute of Technology and Management, Hyderabad, India.	CORRODED STEEL REBAR EMBEDDED IN FRP WRAPPED CONCRETE RECEIVES ACTIVE PROTECTION	Registered
47	MATPR-D-22-03156	258	Pritesh Singha , Vaishali Dudejaa and Amrish K. Panwara*1	Department of Applied Physics, Delhi Technological University, Delhi, India- 110042	Electrochemical Performance of NCA based Cathodes for Variable Thickness of Electrode through Modelling and Simulation	Registered
48	MATPR-D-22-02596R1	261	Md Piyar Uddina, Dr. Arindam Majumderb, Dr. John Deb Barmac, Pravin Kumard	Mechanical Engineering Department, National Institute Of Technology, Agartala, Tripura, 799046, India	Study of the performance of Cu-Gr composite tool during EDM of AISI 1020 mild steel	Registered
49	MATPR-D-22-01865R1	264	Bhaskar Chandra Kandpala, Nitin Johri b, Lavish Kumar c, Anjul Tyagi d, Vaibhav Joshi e, Ujjwal Gupta f	Department of Mechanical Engineering, Inderprastha Engineering College, Ghaziabad, India	Stir casting technology for magnesium-based metal matrix composites for bio-implants - A Review	Registered
50	MATPR-D-22-03264	268	G.Ujwala Devia, P.KiranReddya ,P.Naveen Kumara, J.Sai Kumara, B.P.Madhusudana*	Dept. of Electronics and Communication Engineering, Lakireddy Bail Reddy College of Engineering(Autonomous), Mylavaram	ARM based smart energy management system for home automation	Registered
51	MATPR-D-21-10583	306	Ayush Verma, Devashish Vashisth, Akshat Sharma, Pradeep Khanna	Students, Department of Mechanical Engineering, NSUT, New Delhi, India	Mathematical Analysis of the Effects of Input Parameters on Angular Distortion of MIG Welded Aluminum 8011 Plates	Registered
52	MATPR-D-21-10779R1	310	Syed Irfan Ahmed , Praveen Kumar Balguri *, D Govardhan , Syed Habeeb	Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad, India- 500 043	Numerical study and heat transfer analysis of Nickel-Chromium and Titanium carbide gas turbine blades cooling	Registered

53	MATPR-D-21-10223R1	315	Deepak Pathak, SP Pandey, Rudra Pratap Singh, Vincent Balu	Research Scholar, School of Engineering & Information Technology Sanskriti University, Mathura-281401, INDIA	Influence of External Axial Magnetic Field on Shielded Metal Arc Weld Properties for High Strength Low Alloy Steel	Registered
54	MATPR-D-21-12172R1	321	D.G. Puttaraju* H.G. Hanumantharaju	Department of Mechanical Engineering, UVCE Bangalore, India	FINITE ELEMENT ANALYSIS AND VALIDATION OF TENSILE PROPERTIES OF CARBON FIBER REINFORCED POLYMER MATRIX COMPOSITES	Registered
55	MATPR-D-22-00636R1	326	A.B. Keshav Kumar, N. Bhuvaneswari, S. Nalini Jayanthi*	Department of Aeronautical Engineering, KCG College of Technology, Chennai-600 097	Analysis of indentation size effect behaviour in nonlinear optical LT-TTzs single crystal	Registered
56	MATPR-D-22-00895R1	330	Rajul Sharma, Aniruddha Jaiswal, Vinit Kumar Jha, A.V. Ullas, Gopal Ji*, Rajiv Prakash	Centre for Advanced Studies, Dr APJAKTU Lucknow, Lucknow, U.P. -226031, India	Drop cast coating of Leather dye on copper and investigation of its corrosion behavior in sodium chloride solutions	Registered
57	MATPR-D-22-00704R1	334	Usama Umera, Muneer Khan Mohammed, Mustufa Haider Abidi, Hisham Alkhalefah, Hossam Kishawy	Advanced Manufacturing Institute, King Saud University, Riyadh-11421, Saudi Arabia	Modeling the effect of particle size while machining Aluminum based metal matrix composite using an equivalent homogenous material approach	Registered
58	MATPR-D-22-00399R1	337	Sunday A. Afolalu1, Omolayo M. Ikumapayi1, *, Temitayo S. Ogedengbe2, Rasaq A. Kazeem3, Adebayo T. Ogundipe	Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360101, Nigeria	Waste Pollution, Wastewater and Effluent Treatment Methods - An Overview	Registered

59	MATPR-D-22-00711R1	338	S. Irfan Sadaq* , Syeda Romana, N. B. V. Lakshmi Kumari, Dr. G Prasanna Kumar, S. Shahar Banu	Assistant Professor, Mechanical Engineering Department, MuffakhamJah College of Engineering & Technology, Hyderabad, Telangana, India	ANALYSIS OF OPTIMUM STACKING SEQUENCE OF GFRP COMPOSITE LAMINATE UNDER AXIAL LOADING CONDITION	Registered
60	MATPR-D-22-01016R1	341	D Saritha, CH Sandeep, R Sujithra	Department of Chemistry, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, TS- 500075, India	Current Advancement on Anode Materials for Na-ion Batteries: Review	Registered
61	MATPR-D-22-01010	340	M D Gouse Mohiuddin , Venu Malagavelli , Praveen kumar Balguri	Department of Civil Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, 500043, India	Influence of Wollastonite - GGBS on Properties of Ternary Blended Self Compacting Concrete	Registered
62	MATPR-D-22-01015R1	344	Chirojyoti Chakma, Amit Kumar, Dipak Chandra Das1 , Pritam Das	Department of Mechanical Engineering, NIT Agartala, Agartala - 799046, India	Simulation of temperature management inside rubber smokehouses of perspex, steel, and ash-brick materials	Registered
63	MATPR-D-22-00346R1	345	Omolayo M. Ikumapayi1, *, Sunday A. Afolalu1, Joseph F. Kayode1 , Rasaan A. Kazeem2, Saheed Akandel	Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360101, Nigeria	A concise overview of deep drawing in the metal forming operation	Registered
64	MATPR-D-22-01007R1	347	Amit Kumar1, Rajat Dhawan2 , Ruby Gupta3 and Jyotsna Sharma1*	Department of Physics, Amity School of Applied Sciences, Amity University Haryana, Gurugram - 122051, India.	Generation of ion cyclotron instability by parametric coupling of gyrating ion beam with lower hybrid wave in a complex plasma	Registered
65	MATPR-D-22-01082R1	348	Sandipan Deb* , Kanade Paresh Mahesh, Sagnik Pal, Ajoy Kumar Das	Department of Mechanical Engineering, National Institute of Technology Agartala, Agartala, 799046, India	Influence of horizontal enhanced tube on flow boiling heat transfer characteristics of environmentally friendly refrigerant R-407c	Registered
66	MATPR-D-22-00505R1	350	Pradeep Kumar Singha* , Manoj Kumara	Department of Mechanical Engineering, Dr.B R Ambedkar National Institute of Technology, Jalandhar, Punjab 144011, India	Hypervelocity Impact Behavior of Projectile Penetration on Spacecraft Structure: A Review	Registered

67	MATPR-D-21-12173R1	355	O.A Osuchukwu* a, d, A. Salihi a, I. Abdullahia, D.O Obada	Department of Mechanical Engineering, Bayero University, Kano, 700241, Kano State, Nigeria	Synthesis and characterization of sol-gel derived hydroxyapatite from a novel mix of two natural biowastes and their potentials for biomedical applications	Registered
68	MATPR-D-22-01852R1	358	Amit Kumar1, Dipak Chandra Das, Pritam Das	Department of Mechanical Engineering, NIT Agartala, Agartala - 799046, India	Significance of surface morphology of materials on flow boiling heat transfer using R-407c	Registered
69	MATPR-D-22-01024R1	362	Vivudh Gupta*, Pawandeep Singh, Balbir Singh, R.K. Mishra	School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, 182320, Jammu & Kashmir, India	Vegetable Oil based Dielectric Fluids for Electrical Discharge Machining Process: Advancements and Challenges	Registered
70	MATPR-D-22-01995	368	Gurpreet Singh, Vivek Gupta, Arnab Chanda	Centre for Biomedical Engineering, Indian Institute of Technology (IIT) Delhi, India	Artificial Skin with Varying Biomechanical Properties	Registered
71	MATPR-D-22-01080R1	381	Prikshit Yadav, Pradeep Khanna	Department of Mechanical Engineering, NSUT, New Delhi-110078, India	Mathematical analysis of effect of input parameters on weld bead geometry and weld dilution for weld surfacing of 308L stainless steel on low carbon steel	Registered
72	MATPR-D-22-02001	384	Manthan Dhisale, Jitesh Vasavada, Asim Tewari	Department of Mechanical Engineering, Indian Institute of Technology, Bombay, Mumbai 400076, India	An approach to optimize cooling channel parameters of Low Pressure Die Casting Process for reducing shrinkage porosity in Aluminium alloy wheels	Registered
73	MATPR-D-22-01535R1	389	Mulugundam Siva Surya	Mechanical Engineering Department, GITAM School of Technology, Hyderabad, 502329, India	Optimization of Turning Parameters While Ti-6Al-4V Titanium Alloy for Surface Roughness and Material Removal Rate Using	Registered

					Response Surface Methodology	
74	MATPR-D-22-01998R1	398	Mohd. Gufrana, Avinash Mishraa , Rabesh Kumar Singha*, Anuj Kumar Sharmaa, Ankit Dixitb, Ashiv Shahb*	Centre for Advanced Studies, Dr. A P J Abdul Kalam Technical University, Lucknow- 226031, Uttar Pradesh, India.	Dependence of process planning strategy on deposition ratio in wire arc additive manufacturing	Registered
75	MATPR-D-22-01999R1	400	Raad Suhail Ahmed Adnan	Department Materials of Engineering, University of Technology- Iraq,Baghdad,10066 ,Iraq	The Effect of Tin addition on Wear Resistance of Cu-Al-Ni Shape Memory Alloy	Registered
76	MATPR-D-22-01996R1	407	Prikshit Yadava, Pradeep Khanna	Student, Associate Professor, Department of Mechanical Engineering, NSUT, New Delhi- 110078, India	Effect of input parameters on weld bead geometry and weld dilution for weld surfacing of flux cored 308L stainless steel on low carbon steel	Registered
77	MATPR-D-22-02951	409	M. Akhil Sharma1, Ch. Sravan Kumar1, M. Nithin Kunal Reddy1 and Dr. B. Tanya	UG Scholars, Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering andTechnology, Hyderabad, Telangana 500090, India	Study on Mechanical Properties of AZ31-Mg Alloy and Effect of Deformation Using Constrained Groove Pressing	Registered
78	MATPR-D-22-01959R1	410	Swatantra Kumar, D.S. Srinivasu	Department of Mechanical Engineering, Indian Institute of Technology Madras, Chennai India,	Optimal number of thermal hotspots selection on motorized milling spindle to predict its thermal deformation	Registered
79	MATPR-D-22-01626R1	415	R.Saravana Sathiya Prabhahar*1 , N.Vasiraja, Magesh Shankar E R	Associate Professor, Department of Mechanical Engineering, Mepco Schlenk Engineering College, Sivakasi – 626005, India	Application of Prosopis juliflora based bio oil in natural fibre reinforced composite laminates	Registered
80	MATPR-D-22-02954	422	Vivek Kumar, Mohit Kumar, Mukhtiyar Singh	Department of Applied Physics Delhi Technological University, Delhi-110042, India	Investigation of electronic, mechanical and thermoelectric properties of quaternary Heusler	Registered

					compounds ZrRhTiZ (Z=In, Al)	
81	MATPR-D-22-02957	429	Naresh Kumar Wagri, , Anand Petareb, Abhishek Agrawalc , Ravi Raic, Rajkumar Malviyad, Sunil Doharec, Kamal Kishore	Department of Applied Physics and Electronics, Umeå University, Umeå SE-90187, Sweden	An overview of the machinability of alloy steel	Registered
82	MATPR-D-22-02942	430	P K Mandal1, Amal Michael Saji2, Akash Kurian Lalu2, Akshay Krishnan2, Aswin S Nair2, Manu M Jacob11	Assistant Professor in the Department of Metallurgical and Materials Engineering	Microstructural Study and Mechanical Properties of TIG Welded Inconel 617 Superalloy	Registered
83	MATPR-D-22-02733	437	K. Satyanarayana, B.Sai Harshvardhan, Yaswant Krishna Uppada	GRIET	Experimental studies and optimization of WEDM process in machining of Nitronic 60 using zinc coated copper wire	Registered
84	MATPR-D-22-02789	438	Akash Sinhaa,* , M. Zunaida	Department of Mechanical Engineering, Delhi Technological University, Delhi 110042, India	Numerical Study of 3-D Helical Passive Micromixer having Both Inlets at Offset with Blood as Fluid	Registered
85	MATPR-D-22-02735	442	Rita Kumari Sahu a* , Ratnakar Das b , B.C.Routaraa, Bijaya Bijeta Nayak a , Sasmita Sahu	School of Mechanical Engineering Engineering, KIIT (Deemed to be University), Bhubaneswar 751024, Odisha, India	Multi-Hole Extrusion Process: A Review	Registered
86	MATPR-D-22-02799	448	Fairuz Septiningruma , Nofrijon Sofyanb, Donanta Dhaneswarac, M.V.Reddyd , Akhmad Herman Yuwono	Department of Metallurgical and Materials Engineering, Universitas Indonesia, Depok, 16424, Indonesia	One-Dimensional Silver-Titania Nanocomposites as Modification of Photoanode for Enhanced Dye-sensitized Solar Cells – A Review	Registered

87	MATPR-D-22-02544R1	451	Gaurav Bharadwaj*a, Sudhanshu Dograb	Department of Mechanical Engineering, GLA University, Mathura-281406,	Exergetic performance evaluation of SAH with inclined ribs used as coarseness in triangular duct	Registered
88	MATPR-D-22-02694	454	Shubham Gupta a , Subhodip Chatterjee a, Arnab Chanda a	Centre for Biomedical Engineering, Indian Institute of Technology (IIT), Delhi, India	Effect of Footwear Material Wear on Slips and Falls	Registered
89	MATPR-D-22-02258R1	457	Ashish Khinchia ,Pankaj Sharmab	Mechanical Engineering Department, Rajasthan Technical University, Kota – 324010, Rajasthan, India	A convergence behavior of HDQ and GDQ method to analyze vibration characteristics of different configurations of FGM beams	Registered
90	MATPR-D-22-03161	458	Prabhat Kr Diweddia, Rakesh Kr. Singha, P. Kourb1, Nishant Kumara , Pawan Kumarc, Manoranjan Kar	Department of Nanotechnology, Aryabhata University, 801103, India	Study of Structural, Optical, and Toxicity of Iron-based Nano Particle Kasis Bhasma	Registered
91	MATPR-D-22-03136	460	K.Vamshinatha,* , N.Niteesh kumara , R.Tarun kumara, D.S.Nagarajub , Sateesh.Nc, Ram Subbaiahd	B.Tech ME students, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, TS, India	Analysis of the effect of the process parameters on the mechanical strength of 3D printed and adhesively bonded PETG single lap joint	Registered
92	MATPR-D-22-03135	461	Prakashama , L Siva Rama Krishna, A Seshu Kumar, J Kandasamy	Assistant professor, Maturi Venkata Subba Rao(MVSR) Engineering College, Hyderabad,501510, India	Microstructure Characterization and Mechanical Properties of 2.25Cr-1Mo Steel Pipes Using Pulsed Current GTAW	Registered
93	MATPR-D-22-03139	465	Sahadevuda Sai Rakesh Singh1* , Rayala Venkata Praneeth1, Valluri Sai Sankalp1,and S. Sravan Sashank2,Dr. R. Karthikeyan2	UG students, Mechanical Engineering Department,GRIET, Bahcupally, Hyderabad, India	WELDING, MECHANICAL PROPERTIES AND MICROSTRUCTURE OF DIFFERENT GRADES OF AUSTENITIC STAINLESS STEELS: A REVIEW	Registered

94	MATPR-D-22-03147	468	Meenakshi*, Prashant saurav1, and Kamal Kishor1	TIFAC- Centre of Relevance and Excellence in Fiber Optics and Optical Communication Department of Applied Physics, Delhi Technological University, Bawana Road, Delhi-110042, India.	Design and Simulation of metamaterial under the THz frequency for short-range wireless communication and Military purposes	Registered
95	MATPR-D-22-03152	473	Yogesh G. Joshia*, Dinesh R. Zanwarb, Archit A. Meshramc, Harshit Fulekarc, Pratyush Gajghatec	Ph.D. Research Scholar, Shri Ramdeobaba College of Engineering and Management, Nagpur-440013	Synthesis and Thermophysical Properties of Functionalized Graphene Quantum Dots for Enhancing Heat transfer of Conventional fluid	Registered
96	MATPR-D-21-10778	711	B Chandra Mohan Naik, Praveen Kumar Balguri*, D.Govardhan, Kavati Aakaanksha	Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad, India- 500 043	Modelling and numerical analysis of aluminium SITVC C-D nozzle for thrust vector control	Registered
97	MATPR-D-21-09867R1	714	Lavanya Kundurua*, N.Yedukondalub, S.C.Rakesh Roshan, Suresh Sripada, M.Sainath	Department of physics, JNTU, Hyderabad, 500085, Telangana, India	Structural phase transition and electronic structure of binary CaO and SrO under high pressure	Registered
98	MATPR-D-22-00647R1	722	Sheeba Maxwalt, Kumutha Rahupathy, Siva Nandhini Suresh, Ramesh Subramani, Charumathi Pushparaj	Department of Zoology, PSGR Krishnammal College for Women, Coimbatore, Tamil Nadu – 641004, India	Synthesis of eco-friendly nanocomposite with silver nanoparticle to increase the antimicrobial activity	Registered
99	MATPR-D-21-12333R1	726	Brij Bhushan*, Shreya Kotnala, Arunima Nayak	Department of Chemistry, Graphic Era University, Dehradun-248002, India	Fabrication of a Biogenic Inorganic-Organic Hybrid Composite Adsorbent: Optimization and Physico-chemical studies	Registered
100	MATPR-D-22-01159	731	Farook Sayyad*, Shabnam Sayyad, M I Ansari	Professor, Mechanical Engineering Department., Dr. D. Y. Patil School of Engineering, Pune, India	Experimental Study of Hardness and Corrosion Properties of AZ91 Magnesium Alloy after	Registered

					Electroless Nano Composite Coating	
101	MATPR-D-22-00561R1	734	Saugata Sarkera, Homayra Tabassum Mumua, Md. Al-Aminb,c, Md. Zahangir Alamc, M A Gafurb,	Department of materials and metallurgical engineering, Bangladesh University of Engineering and Technology, Dhaka 1000, Bangladesh	Impacts of inclusion of additives on physical, microstructural, and mechanical properties of Alumina and Zirconia toughened alumina (ZTA) ceramic composite: A review	Registered
102	MATPR-D-22-00258R1	736	Sunday A. Afolalu1, Omolayo M. Ikumapayi1*, Adeyinka O. M Adeoye1, Kazeem A. Bello2, Adebayo T. Ogundipe3, Moses O. Banjoko4	Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, 360101, Nigeria	Performance assessment of varying nanoparticles in a base mineral oil for domestic refrigeration system	Registered
103	MATPR-D-22-01008R1	741	Kummitha Anji Reddy, Gude Rama Krishna, Praveen Kumar Balguri	Department of Civil Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, 500043, India	Experimental Investigation on the Properties of SCC Containing Metakaolin and Polypropylene Fibre	Registered
104	MATPR-D-22-01011R1	745	Yasa Manohar Reddy*, J S R Prasad, Praveen Kumar Balguri	Department of Civil Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, 500043, India,	Durability and Strength Properties of Concrete by Using Egg Shell Powder and Copper Slag	Registered
105	MATPR-D-22-01432	750	K Velmurugana, S Saravanasankara and S Bathrinatha*	Department of Mechanical Engineering, Kalasalingam Academy of Research and Education, Krishnankoil- 626126, Tamilnadu, India.	Smart Maintenance Management Approach: Critical review of present practices and future trends in SMEs 4.0	Registered
106	MATPR-D-22-01122R1	753	Bhaskar Kandpal, Nitin Johri, Pramod Bhatia, Chris Masih, Karan Kumar	Department of Mechanical Engineering, Inderprastha Engineering College, Ghaziabad,U.P,India	Analyzing the microstructure and mechanical properties in LM6 Aluminium casting in sand	Registered

					casting process	
107	MATPR-D-22-01017R1	756	Ajith Reddy Moola, Jose Santo, Pavan Kumar Penumakala*	Department of Mechanical Engineering, Birla Institute of Technology and Science-Pilani, Hyderabad Campus, India, 500078	Multiscale analysis for predicting elastic properties of 3D printed polymer-graphene nanocomposites.	Registered
108	MATPR-D-22-01532R1	762	Vasiraja N, Saravana Sathiya Prabhahar R, Joseph Daniel S	Associate Professor, Department of Mechanical Engineering, Mepco Schlenk Engineering College, Sivakasi & 626005, India	Tensile and Flexural characteristic of Functionally Graded Carbon Fiber Reinforced Composites with Alumina and Ytria Stabilized Zirconia Fillers for Bone Implant	Registered
109	MATPR-D-22-02078R1	775	R.P. Barot*, M.P. Sutaria	Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology	Effect of Casting Thickness on Mechanical Properties of AISi5Cu3 Aluminium Alloy	Registered
110	MATPR-D-22-02871	776	Ch. Bandhavi, Edugu Srinath , I. Reddy Guru Charanb, Mohammad Althaf , V.Sri Bhargava sai	Assistant Profeseor, Department of Mechanical Engineering, GRIET, Hyderabad, Telangana 500090, India	Modelling And Validation OF Sheet Metal Forming Process of Brass at Elevated Temperatures	Registered
111	MATPR-D-22-02861	784	S. SANDEEP KUMAR RAOa , N. GIRISH BABU b , B. KAMAL TEJc, S. SRAVAN SASHANKd, J.VENKATA SURESHe	ug scholor of Mechanical Engineering studying in Gokaraju Rangaraju College of Engineering and Technology, Bachupally, Hyderabad, Telangana, 500090	EXPERIMENTAL INVESTIGATION ON ALUMINIUM ALLOY AA6061 AND AA8011 USING FRICTION STIR WELDING	Registered
112	MATPR-D-22-02852	788	Na Shewa Kuwmar *, T. Jaya Krishna	PG Student, Department of Civil Engineering, Marri Laxman Reddy Institute of Technology and Management, Hyderabad, India	A STUDY FOR EFFECT OF STEEL FIBRE ON STRENGTH OF CONVENTIONAL CONCRETE	Registered

113	MATPR-D-22-02864	795	Baldev Singh ¹ ,Dinakar Reddy ¹ ,Siddharth Chowdary ¹ and S. Sravan Sashank ² ,R Karthikeyan ³	UG student Mechanical Engineering, Gokaraju Rangaraju Institute Of Engineering And Technology Hyderabad	DISSIMILAR JOINING OF DIFFERENT GRADES OF FERRITIC STAINLESS STEEL: A REVIEW	Registered
114	MATPR-D-22-02859	799	D. Harinder ¹ , B Chandu ^{2*} M Aditya Raj ³	Assistant Professor, Department of Civil Engineering, VNRVJIET, Hyderabad, Telangana	Evaluation of Different Types of Soil Subgrade Using Glass Powder for Low-Volume Roads (LVRs)	Registered
115	MATPR-D-22-02853	809	Namburi Rajesh Varma , DSVSMRK Chekravarthy	PG Student, Department of Civil Engineering, Marri Laxman Reddy Institute of Technology and Management,Hyderabad,India.	AN EXPERIMENTATION MADE ON PLASTIC AND DEMOLISHED WASTE IN CONCRETE MIX	Registered
116	MATPR-D-22-02877	810	Saswat Khataia , Ashok Kumar Sahoo [*] , Ramanuj Kumara and Amlana Pandaa	School of Mechanical Engineering, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar-24, Odisha, India	On Machining Behaviour of Various Cutting Inserts: A Review on Hardened Steel	Registered
117	MATPR-D-22-02389R1	819	Rohith Renish Ra, [*] G.Maneeshab , P.Jeyaramana,T.Niruban Projotha, ¹	Department of Mechanical Engineering, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai, Tamil Nadu, 600062, India.	Experimental Investigation on Performance and Emissions of a VCR Engine Fuelled by Biodiesel/Diesel Blends	Registered
118	MATPR-D-22-02958	822	Tripti Gaura, Rahul Sharmaa , Rishu Chaujarb [*]	Department of Applied Physics, Delhi Technological University, Delhi, India- 110042	Quantum ATK Analysis of Silicon NanowireFET with a Cylindrical Metallic Wrap-Around Gate varied with Dielectrics	Registered
119	MATPR-D-22-02961	823	Divyanshi Nagpala, Tanisha Bhadauriaa, M. Jayasimhadria [*]	Luminescent Materials Research Lab, Department of Applied Physics, Delhi Technological University, Bawana Road, Delhi- 110 042, India.	Structural and spectroscopic studies of Eu ³⁺ activated potassium bismuth molybdate phosphor for optoelectronic device applications	Registered

120	MATPR-D-22-02941	826	Nicky P. Patela*, Kamlesh V. Chauhana	CHAMOS Matrusanstha Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology (CSPIT), Charotar University of Science and Technology (CHARUSAT), Changa-388421, Gujarat, India	Structural, Optical and Electrical Study of ZnO:Al Thin Films: A Review	Registered
121	MATPR-D-22-02939	827	Kamlesh V. Chauhana*, Dattatraya G. Subhedara, Ankit V. Parmara	CHAMOS Matrusanstha Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology (CSPIT), Charotar University of Science and Technology (CHARUSAT), Changa-388421, Gujarat, India	Experimental Investigation of oxygen gas variation on wettability properties of chromium oxynitride coatings	Registered
122	MATPR-D-22-02639	832	P. Satyanarayanaa, Shivraj Narayan Yeole*, Kode Jaya Prakasha1	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Telangana 500090, India	Insights on surface characterization of 3D printed polymeric parts	Registered
123	MATPR-D-22-02798	839	Hiba A. Abdullaha, Raad Suhail Ahmed Adnana,, Rana A. Anaeea	Department Materials of Engineering, University of Technology- Iraq,Baghdad,10066 ,Iraq 1	Deposition of CaO to Protect Carbon Steel by Electrophoretic Method	Registered
124	MATPR-D-22-02795	841	A.Ajay Raja, Vundavalli Venkata Sravanthb, Dinesh Kamireddic, A. Sai Gowthamd, Venkata Rao Poibae Pulipati Kingf, Meena Vangalapatig*	M.tech student, Department of chemical engineering , Andhra University College of Engineering (A), Visakhapatnam, 530003, India	Corrosion behaviour of iron in 1M sulphuric acid with presence of Aegle Marmelos as Green Inhibitor	Registered
125	MATPR-D-22-02697	845	Sateesh. N, Subbiah. R, Nookaraju. BCh, Siva Nagaraju. D	Professor, Gokaraju Rangaraju Institute of Engineering and Technology,Hyderabad, TS, India	ACHIEVING SAFETY AND WEIGHT REDUCTION IN AUTOMOBILES WITH THE APPLICATION OF COMPOSITE	Registered
126	MATPR-D-22-02792	846	Komal Chhikara, Shubham Gupta , Arnab Chanda	Centre for Biomedical Engineering, Indian Institute of Technology (IIT) Delhi, India	Development of a Novel Foot Orthosis for Plantar Pain Reduction	Registered
127	MATPR-D-22-02796R1	849	Anshul Tripathi* , Pritam Das, Tushar Aggarwal, Sahil	Manav Rachna University, Faridabad, Haryana, India	Efficiency Enhancement of a Hybrid Vertical Axis Wind Turbine by Utilizing Optimum Parameters	Registered

128	MATPR-D-22-03140	851	S. Ravi Sekhar ^{1*} , M.Raju ² , D.Govardhan ³ , R.Karthikeyan ⁴ , S.Sravan Sashank ⁵	Assistant Professor in Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering & Technology. Hyderabad, India.	OPTIMIZATION OF FRICTION SURFACED DEPOSITS OF ALUMINIUM ALLOY 6068 OVER LOW CARBON STEEL	Registered
129	MATPR-D-22-03144	855	Prashant Sharma [*] , Neha Sharma [*] , Arun Kumar Parashara	Department of Civil Engineering, GLA University, Mathura, 281406, India	Analysis of the Effects of Phase Changing Material on Concrete Pavement	Registered
130	MATPR-D-22-03145	859	Thamatam Jayanth Reddy ¹ , B. Dhanush, G. Sattya Viikrama Reddy ¹ , A. Sravan Putra ¹ , B. Krishna Mohan ²	UG students, Mechanical Engineering Department, GRIET, Bahcupally, Hyderabad, India	Machining of Super Alloys Using Coated Inserts. A Review	Registered
131	MATPR-D-22-03157	865	Anshul Nikhade, Anita Nag	Research Scholar, Department of Civil Engineering, School of Engineering & Technology, G.H Rasoni University, Amaravati & Assistant Professor, KDKCE, Nagpur	Effective utilization of Sugarcane Bagasse Ash, Rice Husk Ash & Metakaolin in concrete	Registered
132	MATPR-D-22-02619R1	874	Kamlesh V. Chauhana, Mayur K. Desai ^{a*} , Akshar C. Patela	CHAMOS Matrusansta Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology (CSPIT), Charotar University of Science and Technology (CHARUSAT), Changa-388421, Gujarat, India	Recent Progress in the Development and Anti-Icing Applications of Superhydrophobic Coatings	Registered
133	MATPR-D-22-02732R1	879	Dushyant Patil ¹ , Manthan Dhisalea, Chinmay Gandhshreewara, Prasad Deshpandeb, Amber Vermaa, Bimlesh Shaha	Department of Mechanical Engineering, Indian Institute of Technology Bombay, Mumbai 400076, India	Modelling of 3D Topographic Parameters of Machined surfaces using Artificial Neural Network Regression Approach	Registered
134	MATPR-D-22-02617R1	881	Yogesh G. Joshia [*] , Dinesh R. Zanwar ^b , Rohit Tiwaric, Aniket Wastranec, Shubham Gorlec, Sanket Baraic	Ph.D. Research Scholar, Shri Ramdeobaba College of Engineering and Management, Nagpur-440013	Effect of Multi-Walled Carbon Nanotube on Thermophysical Properties of Polyester and Mineral Oil	Registered

135	MATPR-D-22-02597R1	884	Usama Umera, Muneer Khan Mohammeda, Syed Hammad Miana, Mustufa Haider Abidia, Khaja Moiduddina, Hossam Kishawyb	Advanced Manufacturing Institute, King Saud University, Riyadh-11421, Saudi Arabia	Modeling Residual Stresses in Hard Turning with Self-propelled Rotary Tools	Registered
136	MATPR-D-22-02618R1	889	Naveen Kumara, Soni Kumari* ^b Kumar Abhishekc Goutam Nandia, Nabendu Ghosha	Department of Mechanical Engineering Jadavpur University Kolkata 700032	Study On Various Parameters of WEDM Using Different Optimization Techniques: A Review	Registered
137	MATPR-D-21-09087R1	1002	S.M.Khot a, Amey Pramod Marathe	Department of Mechanical Engineering, Fr. C. Rodrigues Institute of Technology, Vashi, University of Mumbai, MS-400703 India	DEVELOPMENT AND TESTING OF LOW COST MAGNETO RHEOLOGICAL (MR) FLUID USING FLAKE SHAPED MAGNETIZABLE PARTICLES	Registered
138	MATPR-D-21-09960R1	1006	Kavati Aakaankshaa, Syed Habeeba, Praveen Kumar Balguri* ^a , D. Govardhana	Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad, India- 500 043	Numerical modelling and simulation of an aluminum diffuser and brake plate of the hyperloop vehicle	Registered
139	MATPR-D-21-10468	1010	Shiny Shamma Kota, Praveen Kumar Balguri *, D Govardhan	Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad-500043, India	Optimization of grinding depth to avoid grind-induced burns in 35NCD16 alloy	Registered
140	MATPR-D-21-09073R1	1014	P.J.Baggaa, K.S.Bajaja, M.A.Makhesanaa, K.M.Patela	Mechanical Engineering Department, Institute of Technology, Nirma University, Ahmedabad 382481, INDIA	An online tool life prediction system for CNC turning using computer vision techniques	Registered
141	MATPR-D-22-00782R1	1018	Trong-Ha Nguyen ^{1*} , Van-Long Phan, Xuan-Hieu Nguyen and Van-Mao Nguyen	Department of Civil Engineering, Vinh University, Vinh 461010, Vietnam	Sensitivity analysis of structures and environmental parameter for the speed limits of the car running on the corroded steel girder bridge over time	Registered

142	MATPR-D-21-11208R1	1020	Dharmender Singh Rana, Nagesh Thakur, Dilbag Singh*, Pankaj Sonia	Department of Physics, Himachal Pradesh University, Summer Hill, Shimla (H.P.) India	Molybdenum and Tungsten Disulfide based Nanocomposites as Chemical Sensor: A Review	Registered
143	MATPR-D-22-00253R1	1025	Kalepu Sambasivarao*, Ramanaiah. Nallu	Department of Mechanical Engineering, Andhra University, India - 530003	Optimization of Stir Casting process parameters for Al2024-NITINOL composites through ANOVA	Registered
144	MATPR-D-21-11540R1	1027	Priyaranjan Samal	Indian Institute of Technology Bhubaneswar Bhubaneswar, Odisha INDIA	Combining effect of annealing and reinforcement content on mechanical behavior of multi-walled CNT reinforced AA5052 composites	Registered
145	MATPR-D-22-00498R1	1036	Devashish Vashisth, Akshat Sharma, Ayush Verma, Pradeep Khanna	Students, Department of Mechanical Engineering, NSUT, New Delhi, India	Mathematical Investigation to Predict Dilution in MIG Welded Aluminium 8011 Plates	Registered
146	MATPR-D-22-03036	1039	Kyama Praneetha1, Maddela Apoorva1, Thumpuru Prasanna Laxmi1, and S. Ravi Sekhar2, S. Sravan Sashank2	UG Students, Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	EXPERIMENTAL INVESTIGATION ON ALUMINIUM ALLOY AA6082 AND AA2014 USING THE FRICTION STIR WELDING	Registered
147	MATPR-D-22-00713	1040	S.Geetha*, M.Selvakumar, S.Muthu Lakshmi	Professor, Department of Civil Engineering, Rajalakshmi Engineering College, Chennai, India 602105	Properties of Aerated Concrete with Steel Sludge waste from Automobile Industry	Registered
148	MATPR-D-22-00637R1	1042	Bikash Banerjee*, Kuntal Mondal, Sourav Adhikary, Shib Nath Paul, Susmita Pramanik, Sushovan Chatterjee	Mechanical Engineering Department, Abacus Institute of Engineering and Management, Mogra, Hooghly, 712148, India	Optimization of process parameters in ultrasonic machining using integrated AHP-TOPSIS method	Registered

149	MATPR-D-22-00897R1	1055	Biswajit Majumder, *, Ajay D. Pingale, Anil S. Katarkar, Sachin U. Belgamwar, Swapan Bhaumik	Department of Mechanical Engineering, National Institute of Technology Agartala, Tripura, 799046, India	Fabrication of aluminum coatings via thermal evaporation technique for enhancement of pool boiling performance of R-600a	Registered
150	MATPR-D-22-01009R1	1059	Puli Kodanda Pavan Sai, J S R Prasada, Praveen Kumar Balgurib	Department of Civil Engineering, Institute of Aeronautical Engineering, Hyderabad, Telangana, 500043, India	Analysis of Scrap Tyre Rubber Pad Base Isolated Structure Using MATLAB	Registered
151	MATPR-D-22-01023R1	1060	Pawandeep Singha*, Vivudh Guptab, R.K. Mishrac and Balbir Singh	School of Mechanical Engineering, Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir 182320, India	Mechanical and tribological behaviour of aluminium based functionally graded materials: A Review	Registered
152	MATPR-D-22-01013R1	1061	Debashree Debadatta Beheraa, Shiv Sankar Dasb, Siba Prasad Mishrac, R.C. Mohantya, A.M. Mohantya, Bijaya Bijeta Nayakd	Department of Mechanical Engineering, Centurion University of Technology and Management, Odisha-752050, India	Simulation of Solar Operated Grass Cutting Machine Using PVSYST Software	Registered
153	MATPR-D-22-01095R1	1065	Vishal Yashwant Bhisea, Bhagwan F. Jogi	PhD Research Scholar, Dept. of Mechanical Engineering, Dr. Babasaheb Ambedkar Technological University Lonere, Raigad 402103, India.	Recent Developments on Sustainable Lubricants by using Vegetable Oil based Nanofluids in Machining	Registered
154	MATPR-D-22-01474R1	1066	Sanchit Kumar Kharea, Gurpreet Singh Phull	PhD Scholar, School of Mechanical Engineering, Lovely Professional University, Jalandhar-144411, Punjab, India	Analysis and Optimization of Machining Parameters of Ti-6Al-4V under High-Speed Machining	Registered
155	MATPR-D-22-01853R1	1067	Engammagari Ganesha, P.V. Ramana,*, M.K. Shrimali	Research Scholar, NCDMM, Malaviya National Institute of Technology Jaipur-302017, India	Solved Structural Dynamic Mathematical Models Via Novel Technique Approach	Registered
156	MATPR-D-22-01079R1	1069	Keshav Dahiya, Pranav Mehrotra, Pradeep Khanna	Student, Department of Mechanical Engineering, NSUT, New Delhi, India	Mathematical Modelling to Predict Angular Distortion in MIG Welding of Aluminium 6063 Plates	Registered

157	MATPR-D-22-00507R1	1075	Mallika Malhotra, Kashish, Samridhi, and Pradeep Khanna	Student, Department of Mechanical Engineering, NSUT, New Delhi, India	Prediction of Angular Distortion in Flux-Cored Arc Welding of Stainless Steel 301 Plates by Mathematical Modelling.	Registered
158	MATPR-D-22-01020R1	1079	Sonu Kumar*, Rajat Dhawan, D. K. Singh, Hitendra K. Malika	Plasma Waves and Particle Acceleration Laboratory, Department of Physics, Indian Institute of Technology Delhi, New Delhi – 110016, India	Diagnostic of Laser Wakefield Acceleration with Ultra – short Laser Pulse by using Smilei PIC code	Registered
159	MATPR-D-22-01627R1	1081	Ameer Mohamed Akeel, Ramanuj Kumar*, P. Chandrasekhar, Amlana Panda, Ashok Kumar Sahoo	School of Mechanical Engineering, KIIT Deemed to be University, Bhubaneswar-24	Hard to cut metal alloys machining: Aspects of cooling strategies, cutting tools and simulations	Registered
160	MATPR-D-22-01533R1	1082	Soni Kumaria Pardeepb Dinbandhuc	Department of Mechanical Engineering, GLA University, Mathura U.P, India	Stress Analysis of An Infinite Plate with Single Hole by using Airy's Stress Function	Registered
161	MATPR-D-22-02855	1084	Sama Saikirana, Babbepalli sashank, Budime akhil, Tanya Buddi	UG students Mechanical Engineering Department, GRIET, Hyderabad 500072, India	The study of mechanical and microstructural properties of the AZ31 magnesium alloy using constrained groove pressing at elevated temperature: A review	Registered
162	MATPR-D-22-01958R1	1089	S.M. Khot @ and Sha Husain S. Maghrabi ,	Department of Mechanical Engineering, FR.C. Rodrigues Institution of Technology, Navi Mumbai– 400703, India.	Experimental Investigation of Stability Analysis of Liquid Containing Structure	Registered
163	MATPR-D-22-01738R1	1092	Gangadhar W. Bandewad, Sunil N Pawar, Pramod B Shinde, Chetan P Kamble	Deen Dayal Upadhyay KAUSHAL Kendra, Dr. Babasaheb Ambedkar Marathwada University Aurangabad, Maharashtra 431004, India	Design and optimization of microheater for smart gas sensor applications	Registered
164	MATPR-D-22-01782R1	1093	Piyush Agrawal and Shushant Singh	Department of Mechanical Engineering, Uttaranchal University, Dehradun, 248007, India	Fatigue loading effects on stress fields along the rectangular tip in foams with increasing Meshing effect	Registered

165	MATPR-D-22-02872	1094	E. Abhishek Chary, Shaik Usman Ali Basha, Yata Dheeraj, Duvva Suresh Kumar	UG Student, Department of Mechanical Engineering, GRIET, Hyderabad, Telangana 500090, India	Taguchi optimization in machining Dual-phase steel (DP980) with WEDM using brass wire	Registered
166	MATPR-D-22-02856	1095	Charn Singh, Dr.Vanita Aggarwal	Assistant Professor, Civil Engineering Department MMEC, MMDU, Mullana, Ambala 133207 India	Experimental Investigation of Concrete Strength properties by Partial Replacement of Cement-Sand with Marble-Granite Powder	Registered
167	MATPR-D-22-02510	1099	Anshul Tripathi* , Pritam Das, Tushar Aggarwal, Sahil	Manav Rachna University, Faridabad, Haryana, India	Diminution of Chatter Vibration in Single Point Cutting Tool Holder using Finite Element Analysis (FEA)	Registered
168	MATPR-D-22-02860	1104	Akhil Samadam, Rishith Vallepalli, K. Neeraj Kumar, M. Sreekanth, R Raman Goud	UG students, Dept. Of Mechanical Engineering, GRIET, Hyderabad-90	Mechanical Properties Evaluation and Behaviour of CelluloseHDPE composite	Registered
169	MATPR-D-22-02784	1107	B.Naresh*,M. Saravanan	PG Student, Department of Civil Engineering, Marri Laxman Reddy Institute of Technology and Management,Hyderabad,India	EXPERIMENTAL STUDY OF REPLACEMENT OF CEMENT WITH GROUND GRANULATED BLAST FURNACE SLAG	Registered
170	MATPR-D-22-03043	1114	Sami Sbahieh, Furqan Tahir, and Sami G. Al-Ghamdi	Division of Sustainable Development, College of Science and Engineering, Hamad Bin Khalifa University, Qatar Foundation, Doha, Qatar	Environmental and mechanical performance of different fiber reinforced polymers in beams	Registered
171	MATPR-D-22-02952	1119	Arun Kumar Parashar*, Prashant Sharma, Neha Sharma	GLA University, Mathura 17km stone NH-2 Delhi-Mathura Road UP 281406, India	An Investigation on Strength and Durability Properties of Mortar with the Adding of Micro-Silica and Ceramic Waste	Registered
172	MATPR-D-22-02938	1123	Susmita Roy*, Biswajit Das	Department of Mathematics, National Institute of Technology, Agartala, Barjala, Jirania, Tripura, Pin799046, India	An appliance of Adaptive Neuro-Fuzzy Inference System for predicting the surface roughness of Al-	Registered

					4.5%Cu-TiC MMC in turning operation of CNC milling	
173	MATPR-D-22-02782	1127	U. Sirisha, Bandela Sowjanya, H Rehana Anjum, Thanusha Punugoti, Ahmed Mohamed, Meena Vangalapati	Research Scholar, Department of Chemical Engineering, AUCE (A), Visakhapatnam, Andhra Pradesh, 530003, India	Synthesized TiO ₂ Nanoparticles For The Application Of Photocatalytic Degradation of Synthetic Toxic Dye Acridine Orange	Registered
174	MATPR-D-22-02670	1132	Parisha Diwan ¹ , Kanika Sharma ¹ , Nitin K. Puri ^{1*}	Department of Applied Physics, Delhi Technological University, Bawana Road, Delhi- 110042	Green Route Synthesis and Characterization of Zinc Oxide Nanorods and its Composite with PVA	Registered
175	MATPR-D-22-02793	1138	Subhodip Chatterjee, Shubham Gupta, Arnab Chanda	Centre for Biomedical Engineering, Indian Institute of Technology (IIT), Delhi, India	Barefoot Slip Risk Assessment of Indian Manufactured Ceramic Flooring Tiles	Registered
176	MATPR-D-22-01012R1	1140	Prachi Singhala, R. Sujithraa, I, D. Sarithab	Department of Applied Mechanics, Motilal Nehru National Institute of Technology Allahabad, Prayagraj, UP-211004, India	Effect of Alternate Fill Pattern on Mechanical Properties of FDM Printed PC-PBT Alloy	Registered
177	MATPR-D-22-01429R1	1142	Deepa Ahirwar Dr.Amit Telang Dr.Rajesh Purohit, Anurag Namdev	Research Scholar, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P), India	A Short Review on Polyurethane Polymer Composite	Registered
178	MATPR-D-22-02460R1	1145	Kunal a*, P. Sudhakar Rao, Mohd. Yunus Khanc, K. Saidaiahc ¹	M.Tech. Scholar, Department of Mechanical Engineering, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh, India	A Review of Electrical Discharge Machining on various Superalloys	Registered
179	MATPR-D-22-03159	1149	*Bijaya Bijeta Nayaka, Nitish Kumara, Abhishek Singha, Sasmita Sahu, Shiv Sankar Dasb, Debashree Debadatta Beherac, Rita Kumari Saha	School of Mechanical Engineering, KIIT Deemed to be University, BBSR, India	Genetic Programming Approach to Predict the Performance Characteristics of WEDM Taper Cutting Process	Registered

180	MATPR-D-22-03150	1152	Adlin Rose R., Subramanian M* .Elakkiyadasan R, Siva Mand Manoj Kumar P	Assistant Professor, Department of Civil Engineering, St.Joseph's College of Engineering, Chennai, Tamilnadu-600119, India	Strength Characteristics of Sand Modified with Keratinous Chicken Feather Fiber	Registered
181	MATPR-D-22-02787R1	1159	Tejas Sudhir Chaudharia I, Akshay Sanjay Pisea, Appu Kumar Mahatoa, Kumar Satyamb	Undergraduate, Department of Materials and Metallurgical Engineering, National Institute of Advanced Manufacturing Technology, Hatia, Ranchi – 834003, India	Study on the scale formation of AISI–1018 carbon steel in walking beam steel reheat furnace	Registered
182	MATPR-D-22-02880R1	1163	Rajan K.M.a,b, Ashok Kumar Sahoo* , Bharat Chandra Routaraa, Amlana Pandaa and Ramanuj Kumara	School of Mechanical Engineering, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar, 751024, India	A Review on Various Approaches of 3D Printing of Ti-Alloy	Registered
183	MATPR-D-22-02736R1	1168	Naga Sri Tharun Bhaviria, Sarthak Prasad Sahoo, Saurav Dattaa I	Department of Mechanical Engineering, National Institute of Technology, Rourkela-769008	Machinability of Ti6Al4V as influenced by cutting velocity, tool feed and cutting depth	Registered
184	MATPR-D-22-01992R2	1172	Bandela Sowjanya, U. Sirisha , , Alpitha Suhasini Juttuka, Sreenivas Matlad, Pulipati Kinge, Meena Vangalapati	Research Scholar, Department of Chemical Engineering, Andhra University College Of Engineering, Visakhapatnam, AP, 530003, India.	Synthesis and Characterization of Zinc Oxide Nanoparticles: It's Application for the Removal of Alizarin Red S Dye	Registered
185	MATPR-D-22-02620R1	1176	Jagannath Meher, Bijaya Bijeta Nayak, Amlana Panda*, Ramanuj Kumar, Ashok Kumar Sahoo	School of Mechanical Engineering KIIT Deemed to be University, Bhubaneswar, India	Recent Research Development of CNC based Milling Machining Conditions: A Comprehensive Review	Registered
186	MATPR-D-22-02391R1	1180	D Saritha	Department of Chemistry, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad, TS- 500075, India	A concise review on the removal of heavy metals from wastewater using adsorbents	Registered
187	MATPR-D-22-02783	1189	S.Monica Nissya , Venkata Ratnam Mynenib,Dr.Meena Vangalapati*c	Research Scholar, Department of Chemical Engineering, Andhra University, Visakhapatnam, Andhra Pradesh, India.	Wrenching of Bisphenol A from plastics: Response Surface Methodology	Registered
188	MATPR-D-22-01019R1	1214	Krishna Sai Pinni* , Anil S. Katarkar, Swapan Bhaumik	Department of Mechanical Engineering, National Institute of Technology Agartala, Tripura, 799046, India	Pool boiling of R-134a refrigerant over a thin film	Registered

					aluminum nanostructured coated surface	
189	MATPR-D-22-00898R1	1215	Pragati Srivastavaa , Ravi Prakash Ojhab , Gopal Jia* , Rajiv Prakash	Centre for Advanced Studies, Dr APJAKTU Lucknow, Lucknow, U.P. -226031, India	Colorimetric Sensing of Lactose through formation of gold nanoparticles	Registered
190	MATPR-D-22-00648R1	1220	Shagufta Bi1 , Nabeel Ahmad1*	School of Biotechnology, IFTM University Moradabad U.P. 244102 India	Green Synthesis of Palladium Nanoparticles and Their Biomedical Applications	Registered
191	MATPR-D-22-01664R1	1225	S.Bathrinath, aS.Mohan, K.Koppihraj, R.K.A. Bhalaji and B.Santhi	Department of Mechanical Engineering, Kalasalingam Academy of Research and Education, Krishnankovil-626126	Analysis of factors affecting sustainable performance in construction site susing fuzzy AHP-WASPAS methods	Registered
192	MATPR-D-22-01475R1	1232	Shruti Sharmaa , Anu Radha Pathaniaa*	Department of Chemistry, University Institute of Sciences, Chandigarh University, Gharuan-140413, Mohali, Punjab, India.	Biodegradable Polymers Green Synthesis of NanoparticleAn Overview	Registered
193	MATPR-D-22-01534R1	1238	Ankush Thakura , Raman Bedia	Mechanical Engineering Department, Dr. B.R.Ambedkar National Institute of Technology, Jalandhar 144011, India	Influence of process parameters on microwave joining of the similar/dissimilar materials: A review	Registered
194	MATPR-D-22-01955R1	1241	Narender Kumar , Sachin Maheshwari	Research Scholar, Faculty of Technology, University of Delhi, New Delhi-110007, India	Expounding the Influence of Micro/Nano Particles on Mechanical and Tribological Properties of AA 7050 Matrix Composite: A Review	Registered
195	MATPR-D-22-02858	1245	Gaurang Gautam1, Mohit Kumar1, Bharti Singh*	Department of Applied Physics, Delhi Technological University, Main Bawana Road, Delhi 110042, India	High performance piezoelectric energy harvesting based on PVDF-SnS2 nanocomposite	Registered

196	MATPR-D-22-02879	1253	Furqan Tahir, Sami Sbahieh, and Sami G. Al-Ghamdi*	Division of Sustainable Development, College of Science and Engineering, Hamad Bin Khalifa University, Qatar Foundation, Doha, Qatar	Environmental effects of using recycled plastics in concrete	Registered
197	MATPR-D-22-02668	1256	Sreeharsha.R, N.Kumar, Ajit Kumar, J.P.Tripathi	Department of Mining Machinery Engineering, IIT(ISM) DHANBAD-826004	Modeling and Analysis of Articulated Steering Mechanism	Registered
198	MATPR-D-22-02788	1263	Rahul Kanaoujiyaa, Dharmendra Kumar Sahub, Vijay Shankar, Garimab, Shekhar Srivastavaa	Synthetic Inorganic and Metallo-Organic Research Laboratory, Department of Chemistry, University of Allahabad.	Synthesis, Characterization of Ru(III) Macrocyclic Complex with Hirshfeld Analysis and Drug Likeness Study	Registered
199	MATPR-D-22-02728	1265	Chandana Thummanenia, D.V.Surya Prakash, Ramya Gollic, Meena Vangalapati	M.Tech student, Department of Chemical Engineering, Andhra University College of Engineering(A), Visakhapatnam 530003, India	Green synthesis of Silver Nanoparticles and Characterization of Caffeic acid from Myristica fragrans (Nutmeg) against Antibacterial activity	Registered
200	MATPR-D-22-02696	1268	M. Indra Reddya,*, S. Madhavaraoa, Ch Rama BhadriRajua, M. Anil Kumara, P Ravi Varmaa	Dept. of Mechanical Engineering, SRKR Engineering College, Bhimavaram-534204, India.	The effect of Carbon fiber powder reinforced composite coating on Mechanical Properties of TIG welded Black Steel Pipes	Registered
201	MATPR-D-22-02446	1269	Duy-Duan Nguyen1 and Trong-Ha Nguyen1*	Department of Civil Engineering, Vinh University, Vinh 461010, Vietnam	Reliability assessment for the critical buckling load of SDTS columns with the tubular cross-sections	Registered
202	MATPR-D-22-02392R1	1270	Yogesh G. Joshia*, Dinesh R. Zanwarb, Tejas Kinkar, Vibhor Dongre, Vyankatesh Barai	Ph.D. Research Scholar, Shri Ramdeobaba College of Engineering and Management, Nagpur-440013	Experimental Investigation for Thermophysical Properties of Reduced Graphene-Based Nanosuspension for Refrigeration Lubricant	Registered

203	MATPR-D-22-02940	1273	Vivek Gupta, Gurpreet Singha, Arnab Chanda	Centre for Biomedical Engineering, Indian Institute of Technology (IIT) Delhi, India	Development and Testing of Skin Grafts Models with Varying Slit Orientations	Registered
204	MATPR-D-22-03134	1275	N.Srilatha#a, Balla Srinivasa Prasad*b, Karaka.V.V.N.R.Chandra Mouli#c	VNR VJIET, Bachupalli, Hyderabad, India	EFFECT OF TEMPERATURE ON SURFACE ROUGHNESS IN FRICTION STIR DRILLING OF AL6061 WITH VARIED DRILL TOOLS	Registered
205	MATPR-D-22-03155	1277	Neha Sharma*, Prashant Sharmab, Arun Kumar Parasharc	Department of Civil Engineering, GLA University, Mathura, U.P. 281406, India	Use of Waste Glass and Demolished Brick as coarse aggregate in production of sustainable concrete	Registered
206	MATPR-D-22-02946	1276	Kamalesh Debnath1,2* , Tanmoy Majumder1,3 and Suvra Prakash Mondal1	Department of Physics, National Institute of Technology, Agartala, India -799046	N-doped graphene quantum dots for boosting the photoelectrochemical and photo-sensing properties of TiO2 Nanorod array photoanodes	Registered
207	MATPR-D-22-03162	1279	Rabinarayan Bag, Amlana Panda*, Ashok Kumar Sahoo	Kalinga Institute of Industrial Technology (KIIT), School of Mechanical Engineering, Deemed to be University, Bhubaneswar-24, Odisha, 751024, India..	A Concise Review on Environmental sustainable machining conditions of hard part Materials	Registered
208	MATPR-D-22-03044	1280	Vasu Kumar Reddy Sirigiri, Vinith Yadav Gudiga, Uday Shankar Gattu, G.Suneesh Krishna Mohan Buddaraju	UG students, Mechanical Engineering Department, GRIET, Bahcupally, Hyderabad, India	A Review on Johnson Cook Material Model	Registered
209	MATPR-D-22-02532R1	1281	Pankaj Sharma*, Barkha Gupta, SK Rathore	Department of Mechanical Engineering Rajasthan Technical University Kota-324010, India	Parametric study on natural frequency of axially tapered functionally graded piezoelectric beam	Registered

210	MATPR-D-22-02949	1284	Deshraj Meena*, Vineeta Yadav, Nirmal Singh, Shilpa Rana, K M Komal	Department of Applied Physics, Delhi Technological University, New Delhi - 110042, India	Investigation of structural and optical properties of pure SnO ₂ , ZnO and SnO ₂ /ZnO composite nanorods	Registered
211	MATPR-D-22-02937	1285	Abhishek M. Thote	School of Mechanical Engineering, Dr. Vishwanath Karad MIT - World Peace University, Pune, Maharashtra, India – 411038	A comparative assessment of developed novel power bridge with conventional power arm for en-masse retraction of maxillary six anterior teeth	Registered
212	MATPR-D-22-03278	1292	Nanak Rama, Vijay Gautamb	Delhi Technological University, Department of Mechanical Engineering, Shahbad Daulatpur, Main Bawana Road, Delhi 110042, India	Prediction of effect of alloying elements on properties of ferritic grade Si-Mo ductile cast iron using regression analysis	Registered
213	MATPR-D-22-01956R1	218	Yogita Maithania, Aditya Singh, B. R. Mehta, and J.P. Singh	Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi 110016, India	PEDOT: PSS Treated Cotton-Based Textile Dry Electrode for ECG Sensing	Registered
214	MATPR-D-22-02948	232	Arun Kumar Parashar, Prashant Sharma, Neha Sharma	GLA University, Mathura 17km stone NH-2 Delhi-Mathura Road UP 281406, India	A Study of GGBS Based Cement Concrete with the Inclusion of Waste Foundry Sand on Mechanical Properties	Registered
215	MATPR-D-22-03280	265	Sanchit Kumar Kharea ¹ , Gurpreet Singh Phull	PhD Scholar, School of Mechanical Engineering, Lovely Professional University, Jalandhar-144411, Punjab, India	Analysis and Optimization of Cutting Parameters under High-Speed Machining of Ti-6Al-4V Alloy	Registered
216	MATPR-D-22-02950	418	Kosuri Dheeraj ¹ , Mudavath Deepak raj ¹ , Sahadevudu Rakesh singh ¹ , Tapila Vijay Kishore ¹ , Ch. Bandhavi ²	UG Student, Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana 500090, India	Experimental Determination Of Forming Limit Diagram For $\alpha+\beta$ Brass At Hot Forming Conditions	Registered
217	MATPR-D-22-02953	419	Arun Kumar Parashar ^{1*} , Prashant Sharma ² , Neha Sharma ³	GLA University, Mathura 17km stone NH-2 Delhi-Mathura Road UP 281406, India	Effect on the Strength of GGBS and Fly Ash Based Geopolymer Concrete	Registered

218	MATPR-D-22-03045	425	Neha Sharma*, Prashant Sharmab, Arun kumar Parasharc	Department of Civil Engineering GLA University, Mathura, U.P. 281406	An Experimental study of sustainable concrete by incorporating Ewaste and Fly ash	Registered
219	MATPR-D-22-02962	426	Manasvi Parab*, Atharva Sapre, Pralhad Pesode, Pankaj Dhattrak	UG Student, School of Mechanical Engineering, Dr. Vishwanath Karad, MIT-WPU, Pune-38	Optimization of 1U Nanosatellite on the Basis of Strength and Weight using Different Materials: A Numerical Approach	Registered
220	MATPR-D-22-02616R1	476	Abhishek Sharma*, V M S Hussaina, P.Abhishek Kumara, Mathala Prithvi Rajb	Department of Mechanical and Manufacturing Engineering, National Institute of Advanced Manufacturing Technology (Formerly NIFFT), Ranchi-834003, India	Failure Mode and Effects Analysis of Forging Die Design: An Integrated Approach	Registered
221	MATPR-D-22-02870	789	Ajita, Harshit Pandey, Naveen Kumar Gupta,	Department of Mechanical Engineering, Manav Rachna University, Faridabad, India.	Productivity analysis of pyramid solar still with solid clay pots	Registered
222	MATPR-D-22-03046	829	Prem Narayan Goyal a, Apurva Anand a, Shirsh Raj Anand a, Kakuli Jha a Gaurav Richhariya a	DIT University, Mussorie Diversion road makkawala, Dehradun 248009, India	Development of cost-effective drilling fluid from banana peel pectin and fly ash for loss circulation control	Registered
223	MATPR-D-22-01121R1	869	T. Varun and N. Rino Nelson*	Department of Mechanical Engineering, Indian Institute of Information Technology Design and Manufacturing Kancheepuram, Chennai, 600127, India	Design of Tool Employed in Dissimilar Micro-Friction Stir Welding	Registered
224	MATPR-D-22-02336R1	871	Priyank Dixit,* and Amit Suhane	Research Scholar, Department of Mechanical Engineering, MANIT, Bhopal, Madhya Pradesh-462003, India	Aluminum Metal Matrix Composites Reinforced with Rice Husk Ash: A Review	Registered
225	MATPR-D-21-10584R1	1017	K. Naga Vardhana Rao, Madhurakavi Sravania, D Govardhan, Ch. Krishna Vamsi, Praveen Kumar Balguria*	Institute of Aeronautical Engineering Hyderabad, INDIA	Design and material optimization of an Orion re-entry Aero shell for higher structural performance	Registered
226	MATPR-D-22-00506R1	1052	A. V. S. Satyanarayana, M. Jagannadha Rao, T. V. S. P. V. S. Guru	Department of Engineering Physics, Andhra University, Visakhapatnam, AP, India	Analytical Result of Charnockites by PIXE and its Comparison with other Analytical Technique XRF	Registered

227	MATPR-D-22-02959	1110	R.Sachin1, S. Vamshi Krishna1, S. Anil Kumar1, R.Karthikeyan2, K. Saidamma1, K. Sunil Kumar Reddy	UG students, Mechanical Engineering Department, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India	CORROSION AND WEAR BEHAVIOR OF AMMCs, A REVIEW	Registered
228	MATPR-D-22-03047	1115	Neha Sharma*, Prashant Sharma, Arun Kumar Parashar	Department of Civil Engineering, GLA University, Mathura, U.P. 281406, India	Incorporation of silica fume and waste corn cob ash in cement and concrete for sustainable environment	Registered
229	MATPR-D-22-02947	1120	Prashant Sharma*, Neha Sharma, Arun Kumar Parashara	Department of Civil Engineering, GLA University, Mathura, 281406, India	Scientific investigation of metakaolin-based cement concrete with rock sand infill	Registered
230	MATPR-D-22-02447R1	1185	Donthuri Venkatesh a*, Dr.M. Saravanan b	PG Student, Department of Civil Engineering, Marri Laxman Reddy Institute of Technology and Management, Hyderabad, India	DESIGN AND ANALYSIS OF BUILDING IN DIFFERENT SEISMIC ZONE & WIND	Registered
231	MATPR-D-22-02883	1249	Prashant Sharma, Arun Kumar Parashar, Neha Sharma	Department of Civil Engineering, GLA University, Mathura, 281406, India	Effect of Fines in sandstones manufactured sand concrete	Registered
232	MATPR-D-22-02955	1289	Rakesh Pani, Rasmi Ranjan Behera*, Sudesna Roy	School of Mechanical Engg., KIIT Deemed to be University, Bhubaneswar-751024, Odisha, India	Electrophoretic Deposition of Hydroxyapatite Coating: A State of Art	Registered
233	MATPR-D-22-03262	1291	Ranjit J. Singh, Y. S. Kannan*1, Ravi Degala	Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad- 500075, India	The Numerical Analysis of the Sloshing Tank with Baffles at the High Amplitude of Vertical Oscillation Using OpenFOAM	Registered
234	MATPR-D-22-03345	1297	P.Anjani Devi, Ch.Indirapriyadarsinia, Chandu Avvarib1	Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad- 500075, India	DESIGN OF FOLDED WING MECHANISAM FOR UNMANNED AERIAL VECHILE (UAV)	Registered

235	MATPR-D-22-02598R1	1298	*Abhay V. Nakuma , Dr. N. K. Arorab	Department of Applied Mechanics, G. P. Jamnagar, Jamnagar-361009, India	The impact of alkaline solution to fly ash ratio with different molarities of sodium hydroxide on self-compacted geopolymer concrete	Registered
236	MATPR-D-22-01473R1	1072	Fathan Bahfie*, Azwar Manaf2*, Widi Astuti, Fajar Nurjaman, Erik Prasetyo	Research Unit for Mineral Technology, National Research and Innovation Agency of Indonesia, South Lampung, Lampung, Indonesia 35361	Studies of Carbon Percentage Variation and Mixing Sapolite-Limonite in Selective Reduction	Registered
237	MATPR-D-22-03271	1260	Nizhamul Latif1, Johny Wahyuadi M.S.2, Triwibowo1, Rini Riastuti2	National Research & Innovation Agency (BRIN) University of Indonesia	EROSION CORROSION FAILURE ON ELBOW DISTILLATE HEATER SYSTEM IN THE PETROCHEMICAL INDUSTRY	Registered
238	MATPR-D-22-03274	1278	Idrees Iqbala, Swati Sharmaa , Anu Radha Pathaniaa,	Department of Chemistry, University Institute of Sciences, Chandigarh University, Gharuan-140413, Mohali, Punjab, India	An Insight into Application and Harmful Effects of Aluminium, Aluminium Complexes and Aluminium Nano-Particles	Registered
239	MATPR-D-22-02790	1259	Agus Paul Setiawan Kaban1,a , Wahyu Mayangsari2,b , Mochammad Syaiful Anwar2,c , Ahmad Maksum3,d, Rini Riastuti1,e, Taufik Aditiyawardman1,4,f , Johny Wahyuadi Soedarsono1,g	Prof Johny Wahyuadi Laboratory, Department of Metallurgical and Materials Engineering, Universitas Indonesia, Depok 16424, Indonesia	Experimental and Modelling Waste Rice Husk Ash as a Novel Green Corrosion Inhibitor under acidic environment	Registered
240	MATPR-D-21-12281R1	145	KALKIDAN NIGUSSIE YEHUALASHET1 ; O. FATOBA1* ; SALAMLAK MULU ASFAW2	Debre Tabor University Debre Tabor, Amhara ETHIOPIA	Experimental Study and Numerical Analysis of Thermal Performance of Corrugated Plate Solar Collector	Un Registered

241	MATPR-D-21-12279	1032	TADESSE JEMAL ; O. FATOBA*; SAMUEL SHEMELSE; YINAGER TEGENAW	Department of Mechanical Engineering, Debre Tabor University, Amhara Region, Debre Tabor, Ethiopia	Design and Experimental Analyses of Enhanced Heat Transfer Performance in Solar Powered Injera Baking Pan Using Cu/Oil and Al ₂ O ₃ /Oil Nanofluids	Un Registered
242	MATPR-D-22-00260R1	165	Saheed Akande1, Oyinkan E. Ajaiyeoba1, Temitayo M. Azeez1 , Omolayo M. Ikumapayi1* , Stephen A. Akinlabi2, Esther T Akinlabi3	Mechanical & Mechatronics Engineering Department, Afe Babalola University Ado- Ekiti, Nigeria	Investigating the precipitation hardening of 2024 aluminium alloy under different quenching media	Un Registered
243	MATPR-D-22-01784R1	175	SOLOMON TESFAW1 , O. FATOBA1* ; TESHOME MULATIE2	Department of Mechanical Engineering, Debre Tabor University, Debre Tabor, Ethiopia	Evaluation of Tensile and Flexural Strength Properties of Virgin and Recycled High-Density Polyethylene (HDPE) for Pipe Fitting Application.	Un Registered
244	MATPR-D-21-08932R1	706	Oluwatosin Abiodun Balogun , Abayomi Adewale Akinwande, Olusegun Adebayo Ogunsanya,Akeem Oladele Ademati , Adeolu Adesoji Adediran , Tunji John Erinle, Esther Titilayo Akinlabi	Department of Metallurgical and Materials Engineering, Federal University of Technology, Akure, Ondo State, Nigeria.	Central Composite Design and Optimization of Selected Stir Casting Parameters on Flexural Strength and Fracture Toughness mTiO ₂ p/Al 7075 Composites	Un Registered
245	MATPR-D-21-12277R1	730	BIRHAN ALEMU TADESSE ; O. FATOBA	Department of Mechanical Engineering, Debre Tabor University, Amhara Region, Debre Tabor, Ethiopia.	Design Optimization And Numerical Analyses Of Composite Leaf Spring In A Heavy-Duty Truck Vehicle	Un Registered
246	MATPR-D-22-02791	836	K Sunil Kumar Reddy*, B R Chitra Lekha, Kota Uma Sakshi, Mood Shreeya Chouhan, R Karthikeyana, S Aparnaa	Mechanical Engineering Department, GRIET, Hyderabad,500090, India	Effect of Different Reinforcements on Aluminium Composite Properties - A Review	Registered

247	MATPR-D-22-00254R1	1057	MELKAMU YIGREM1 ; O. FATOBA1* ; SHEFERAW TENSAY1	Department of Mechanical Engineering, Debre Tabor University, Amhara Region, Debre Tabor, Ethiopia.	Tensile Strength, Wear Characteristics and Numerical Simulation of Automotive Brake Pad from Waste-Based Hybrid Composite.	Un Registered
248	MATPR-D-22-02874	401	Lokesh Srivastava, L. Krishnanand , Sameerkant Behera ,N. Kishore Nath	Advanced Systems Laboratory, Hyderabad, Telangana -500058, India	Failure Mode Effect Analysis for a Better Functional Composite Rocket Motor Casing	Un Registered
249	MATPR-D-22-02390R1	477	Farah M. Husseina*, Dr. Saif Altaib , Dr. Ahmed S. D. AL-Ridhac	Civil Engineering Department, Engineering College, Mustansiriyah University. Baghdad, Iraq	The Effect of Polynaphthalene Sulfonates on The Mixture Composed of Air- entraining Cement and Fine Sand with a Maximum Size of 600 micron	Registered
250	MATPR-D-21-12278R1	328	MELKAMU YIGREM, O. FATOBA1*,SHEFERAW TENSAY	Department of Mechanical Engineering, Debre Tabor University, Amhara Region, Debre Tabor, Ethiopia.	Tribological and Mechanical Properties of Banana Peel Hybrid Composite for Brake-Pad Application	Un Registered
251	MATPR-D-22-02847	225	Ali Al-Balhawi1, Arshad Nadhom Shubber, Laith S. M. Al-Asadi, Sinan Khaleel Ibrahim, Zuhair Abd Hacheem, Ahmed S. D. AL- Ridha*	Department of civil engineering, College of engineering, Mustansiriya University. Baghdad, Iraq	Assessing the Structural Behavior of Steel Beams Strengthening with additional Plates	Un Registered

252	MATPR-D-22-03270	270	Saeb F. Al-Chalabi 1; Essam H. Elaiwi 2; Farah M. Hussein 2; Ali A. Abbood 2; Sinan Khaleel Ibrahim3; Hussein H. Hussein4; Firas Saeed Abbas 5; Eng. Lubna Najim Abdullah6; Eng. Zinah Ahmed Shukri3; Ahmed S. D. AL Ridha 2*	Water Resources Engineering Department, College of Engineering, Mustansiriyah University , Baghdad , Iraq.	Evaluating the Individual, Dual Usage of (TGP) and (SF) Additives on Improving Gypsum Characteristics	Un Registered
253	MATPR-D-22-02535R1	1322	Pankaj Sharmaa Mrinal Gautamb , Manish Chaturvedic	Department of Mechanical Engineering , Rajasthan Technical University, Kota-324010, India	Effects of material grading and geometry on natural frequency of functionally graded beam	Registered
254	MATPR-D-22-02704	831	Benjamin Das, Yadaiah Nirsanametla and Arpan Kumar Mondal	Department of Mechanical Engineering, North Eastern Regional Institute of Science and Technology, Nirjuli 791109, Arunachal Pradesh, India.	An Investigation on Heat Transfer Analysis of Micro-Plasma Arc Welds Using Finite Element Method	Registered
255	MATPR-D-22-01991R1	1288	Sumit K Shrivastavaa,b, Asita Kulshreshthaa, Shikha Srivastavac, Rajesh K. Gangwarb*	Amity School of Applied Sciences Lucknow, Amity University UP, – 226028 (India)	Phytosynthesis Of Silver Nanoparticles Using Plumeria Pudica Floral Extract	Registered
256	MATPR-D-22-01864R1	1302	Sayed Suhaib Kamrana, Abid Haleema , Shashi Bahlb,*, Mohd Javaida, Chander Prakashc, Dharam Budhhid	Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi 110025, India	Artificial intelligence and advanced materials in automotive industry: Potential applications and perspectives	Registered
257	MATPR-D-22-03153R2	1320	Alla Shreshthaa, Ch. Maheshwarib, Goli Anvithac1	UG Student, Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana 500090, India	Finite Element Analysis on Surface Hardness of Al7475, Al7020 Metal Matrix Composites Reinforced With SiC and Graphite: A Comparative Study.	Registered
258	MATPR-D-22-02699	450	Gollo Rinua, Sandeep Singha , Arpan Kumar Mondalb and Yadaiah Nirsanametlaa*	Department of Mechanical Engineering, North Eastern Regional Institute of Science	Metallographic Analysis of In-house Developed Marine Grade	Registered

				and Technology, Nirjuli 791109, Arunachal Pradesh, India	Aluminum Alloy AA5086 Friction Stir Welds	
259	MATPR-D-22-02003R1	1309	Ahmad Shamoona, Abid Haleema, Shashi Bahlb,*, Mohd Javaida, Chander Prakashc, Dharam Budhhid	Department of Mechanical Engineering, Jamia Millia Islamia, New Delhi 110025, India	Understanding the role of advanced materials for energy infrastructure and transmission	Registered
260	MATPR-D-22-02797R1	1325	M. Tukarambai	Assistant Professor, Dept. of Chemical Engg., College of Engg.(A), Andhra University, Visakhapatnam, India	Efficacy of Algae powder (BAST) on uprooting of Methylene Blue Dye (MBD): Optimization	Registered
261	MATPR-D-22-02682R1	1299	*M.Pavan Chandraa1, M.Abdul Ayazb, P.Nikhilesh Goudc, Sateesh.Nd	B.Tech.(ME) students, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, TS, India	Modelling and Analysis of Aircraft Radome using Different Materials	Registered
262	MATPR-D-22-03418	1332	Nasima Khatuna and Somnath C. Roy	Physics Department, Indian Institute of Technology Madras, Chennai – 600036, India	TiO ₂ -g-CN Composite to Boost Photoelectrochemical Performance Under Visible Light Irradiation and A Charge Carrier Dynamic Study	Registered
263	MATPR-D-22-02799	447	Anshuman Kumar, Kukkala Vivekananda and AVS Ram Prasad	Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India	Experimental Investigation and Parametric Optimization during EDM of Titanium grade 9 using MOORA-Fuzzy Integrated MultiObjective Genetic Algorithm	Registered
264	MATPR-D-22-00259R1	1045	Benjamin I. Attah1, Sunday A. Lawal1, Katsina C. Bala1, Omolayo M. Ikumapayi2*, Suryakanta, Sahu3, Md Iqbal, Perwej3, Esther T Akinlabi4	Department of Mechanical Engineering, Federal University of Technology Minna, Nigeria	Effects of material placement and speed of tool rotation on the tensile strength of dissimilar friction stir welded AA7075-T651 and AA1200-H19 aluminium alloys	Un Registered

265	MATPR-D-22-00635R1	1047	Saheed Akande, Temitayo M. Azeez , Joseph F. Kayode, Kingsley I. Onuoha, Omolayo M. Ikumapayi* , Stephen A. Akinlabi, Esther T Akinlabi	Mechanical & Mechatronics Engineering Department, Afe Babalola University Ado-Ekiti, Nigeria	Development of an Efficient Rice De-stoner	Un Registered
266	MATPR-D-22-02850	1098	BIRHAN ALEMU TADESSE; O. FATOBA*	Debre Tabor University , Amhara ETHIOPIA	THEORETICAL AND FINITE ELEMENT ANALYSIS (FEA) OF COATED COMPOSITE LEAF SPRING FOR HEAVY-DUTY TRUCK APPLICATION	Un Registered
267	MATPR-D-22-03158	1156	Jeyanthi Ja*, Revathi Sb	Jeyanthi J, Associate Professor, Mepco Schlenk Engineering College , Sivakasi	Study of Light weight Composite Concrete incorporated with Polypropylene Fiber and Cenosphere	Registered
268	MATPR-D-22-01458R2	169	Ruby Panta, Shushant Singh , *Amit Joshi, Kalpit Joshi, Kuldeep K Saxena	Department of Mechanical Engineering, Uttarakhand University, 248001, India	Mechanical Performance and characteristics evaluation of Material through Cryo rolling process: A Review	Registered
269	MATPR-D-22-03276R1	1315	Yagya Sharma a* , Mayank Daveb, Tarun Gehlot c , Deepanshu Solanki	Department of Structural Engineering , Jai Narain Vyas University Jodhpur 342304 (INDIA)	Neural Network Model to Predict Strength parameters of Dune Sand at Jodhpur City	Registered
270	MATPR-D-22-01170R1	768	Divyeshkumar P Davea* , Kamlesh V. Chauhan	CHAMOS Matrusanstha Department of Mechanical Engineering, Chandubhai S. Patel Institute of Technology (CSPIT), Charotar University of Science and Technology (CHARUSAT), Changa-388421, Gujarat, India.	Synthesis of Visible Spectrum-Active Tio2 Thin Film Induced by RF Magnetron Sputtering	Registered
271	MATPR-D-22-02866	779	Mohammed Abid Jameel, Laith S. M. Al-Asadi , Zuhair Abd Hacheem , Ahmed S. D. AL-Ridha	Department of Water Resources engineering, College of engineering, Mustansiriyah University, Baghdad 10001 Iraq	Effect of Chopped Carbon Fibre (CCF) on Enhancing the Compressive Strength and Density of Gypsum Plaster	Un Registered

272	MATPR-D-22-00638R1	1205	Niloy Laskar*, Anil S. Katarkar, Biswajit Majumder, Abhik Majumder, Swapan Bhaumik	Department of Mechanical Engineering, National Institute of Technology Agartala, 799046, India	Fabrication of Nano-Copper Surfaces by Thermal Evaporation Technique to Investigate Nucleate Pool Boiling Heat Transfer Performance of R-141b	Registered
273	MATPR-D-22-02461R1	271	I. P. Okokpujie a, b* , L.K. Tartibu a	Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Johannesburg, 2028, South Africa	A Mini-Review of The Behaviour Characteristic of Machining Processes of Aluminium Alloys	Un Registered
274	MATPR-D-22-02455R1	247	I.P. Okokpujie a, c*, J.E. Sinebeb , S.O. Amiebenomod, L.K. Tartibua, A.O.M. Adeoyec	Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Johannesburg, 2028, South Africa	Development of a High-Pressure Delivery Lubrication System for Sustainable Machining Operations	Un Registered
275	MATPR-D-22-02002R1	1342	S.Revathia, J.Jeyanthib, R.Suganyac	Assistant Professor, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi – 626005, India	Phosphating Process Effluent Treatment Using Activated Carbon made from Coco pod husk and Custard apple seed	Registered
276	MATPR-D-22-03034	433	Muhammad Farhan Raza and Guney Guven Yapici	Department of Mechanical Engineering, Ozyegin University, Istanbul, Turkey	Effects of Interlayer on the Friction Stir Spot Welding of Stainless Steel	Registered
277	MATPR-D-22-03344	1192	CH.Ramyaa1, G.Sumathib , MS.Preethic, N.Mounikac, N.Sateeshd	BTech (ME) students,Gokaraju Rangaraju Institute of Engineering and Technology,Hyderabad, TS, India	Investigations on Mechanical Properties of Jute fiber and epoxy resin Composites with Titanium Oxide	Registered

278	MATPR-D-21-08933R1	207	Oluwatosin Abiodun Baloguna* , Abayomi Abayomi Akinwande , Adeolu Adesoji Adediranb, Olusegun Adebayo Ogunsanya2 , Akeem Oladele Adematid, M. Saravana Kumare, Tunji John Erinlef , Esther Titilayo Akinlabig,	Department of Metallurgical and Materials Engineering, Federal University of Technology, Akure, Ondo State, Nigeria	Microstructure and particle size effects on selected mechanical properties of waste glass-reinforced aluminium matrix composites	Un Registered
279	MATPR-D-22-03143R1	1363	Thammu Rakesh, D Suresh Kumar	UG Student, Department of Mechanical Engineering, Gokaraju Rangraju Institute of Engineering and Technology, Hyderabad, Telangana 500090, India	Analysis of mechanical bi-leaflet heart valve made of biomaterialpolypropylene	Registered
280	MATPR-D-22-01228R1	1379	Arun Kumar Wamankara T. Ravi Kiranb*, Deenoo Pawarc , Kashi Vishwanath Allamrajud	Deptt of Mechanical Engg, Lakshmi Narain College of Technology,Bhopal, M.P., India	Two-zone modeling of combustion, performance and emission formation in DI diesel engine operating on carbon black-water-diesel slurry	Registered
281	MATPR-D-22-02526R1	1350	Anu Radha Pathania a *, Swati Sharmaa, Salonee Swaina	Department of Chemistry, UIS, Chandigarh University, Mohali, Punjab	A Review on the Progression in the Efficiency of Mask	Registered
282	MATPR-D-22-03133R1	1369	R. Swethaa, L. Siva Rama Krishnaa , B. Hari Sai Kirana, P. Ravinder Reddyb, Sriram Venkatesha 1	Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, Telangana 500 007, India	Comparative study on Life cycle Assessment of components produced by Additive and Conventional Manufacturing process	Registered
283	MATPR-D-22-02298R1	1372	Manas Tripathi1, Vipul Vaibhav Mishra1, Brajendra S. Sengar2, A.V. Ullas1	Centre for Advanced Studies, Dr. A.P.J. Abdul Kalam Technical University Lucknow, Uttar Pradesh 226031, India	Lead-free Perovskite Solar Cell byUsing SCAPS-1D: Design and Simulation	Registered
284	MATPR-D-22-02730R1	1375	Vinoth Babu N., Siva M, Subramanian M*, Elakkiyadasan R2 and Manoj Kumar P	Department of Mechanical Engineering, Rajalakshmi Engineering College, Chennai, Tamilnadu602105, India	Investigation of mechanical characteristics of SiC and flyash particle reinforced aluminium matrix composites	Registered
285	MATPR-D-22-03146	255	R. Suganyaa, R. Gowsalyaab, R. Theenathayalanc	,Assistant Professor, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi – 626005, India	Prediction of Shear Strength for Steel Fiber Reinforced	Registered

					Concrete using Machine Learning Techniques	
286	MATPR-D-22-03350	802	P. Vincent Venkatesana, R. Suganyab, S. Revathic	Senior Professor & Head, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi – 626005, India	Experimental Investigations on concrete incorporated with Calcined Hydrotalcite under Sea Water Curing	Registered
287	MATPR-D-22-03269	1191	R.Theenthayalan, S.N.Thirisha, R. Suganya	Assistant Professor (Sr.Gr.), Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi.	Impact of different concrete ingredients on the microstructure of lightweight concrete – A comprehensive review	Registered
288	MATPR-D-22-03149	862	K. L. Kishore and K.T.Balaram Padal	Research Scholar, Mechanical Engineering Department, A.U. College of Engineering, Andhra University, Visakhapatnam, India	Effect of Graphene Nano Plateletson Microstructural and WearBehavior of AA7075/Al2O3Nano Composites	Registered
289	MATPR-D-22-02339R1	1361	Devjit Acharjeea,1, Dibya Jyoti Basua , Debasish Bandyopadhyaya	Department of Construction Engineering, Jadavpur University, Plot No.8, LB Block, Salt Lake Sector III, Kolkata 700106, West Bengal, India	A numerical study on the through thickness shear behavior of EPS sandwich panels	Registered
290	MATPR-D-22-02509R1	282	Aboubakr El hammoutia, b,1, Mouatassim Charaia, b, c, Othmane Hormaa, Ahmed Mezrhaba, Mustapha Karkrib	Laboratory of Mechanics and Energy, Faculty of Sciences, Mohammed 1st University, 60000 Oujda, Morocco	Thermal insulation of mud bricks made with walnut shells: Characterization and simulation study	Un Registered
291	MATPR-D-21-09958R1	395	Mitali Raya , Padarbinda Samalb , Chinmoy Kumar Panigrahi	School of Electrical Engineering, KIIT Deemed to be University, Bhubaneswar, India	An ANN Based Occupancy Detection Approach And The Effect Of Thermal Building Insulation Materials	Un Registered
292	MATPR-D-22-00609R1	752	*Kartik Dahiya1*, Vishal Pratap Singh2 and Pradeep Khanna3	Student, 2 Student, 3Associate Professor, Department of Mechanical Engineering, NSUT, New Delhi, India	Effect of Welding Parameters on Angular Distortion of Metal inert gas Welded Low Carbon Steel Plates	Un Registered

293	MATPR-D-22-01018R1	770	Sneha Rabha,Bhanu Priya Bokadia, Pradeep Khanna	Students, Associate Professor, Department of Mechanical Engineering, NSUT, New Delhi-110078, India	Prediction of Bead Geometry Parameters of MIG Welded Aluminium 1200 Plates by Mathematical Modelling	Un Registered
294	MATPR-D-22-02854	785	Deepak Pathak,Dilip Kumar	Research scholar, Sanskriti University, Mathura	Optimization of Process Parameters of Shielded Metal Arc Welding of High Strength Low Alloy Steel under Influence of Axial Magnetic Field	Un Registered
295	MATPR-D-22-02867	794	Roshi Saxenaa , Dr. Sanjay Kumar Sharmaa , Manali Guptaa	Department of computer science, School of Information & Communication technology, Gautam Buddha University , Greater Noida, India	Prediction of Diabetes Mellitus using Pre-Processing Techniques	Un Registered
296		814	S.S. Oladijoa , E.T. Akinlabia,b, T.C. Jena , F.M. Mwemaa,b, O.P. Oladijod	Department of mechanical engineering science, University of Johannesburg, South Africa	Effect of Power and Deposition Time on Sputtered Hydroxyapatite Thin Film Coatings on Stainless Steel 304	Un Registered
297	MATPR-D-21-08075R1	1009	Sarafadeen Tunde Azeeza,* , Peter Madindwa Mashininia	Department of Mechanical and Industrial Engineering Technology, University of Johannesburg, Doornfontein campus, Johannesburg 2028,South Africa	Simulation of tensile properties of a friction stir welded Al-Si-Mg aluminum alloy	Un Registered
298	MATPR-D-22-00261R1	1037	Mohit Phadtare , Parth Jain and Pankaj Dhattrak	UG Student, School of Mechanical Engineering, Dr. Vishwanath Karad, MIT-World Peace University, Pune, India	Effect of Various Tools on Bone Condensing to Improve the Stability of Dental Implant	Un Registered
299	MATPR-D-22-01006R1	1085	Abhi K. Rakholiya, Pravin R.Minde	PG Scholar, Dr. Vishwanath Karad MIT World Peace University, Pune, Maharashtra, India	The advancement of precast development in India: A Critical survey of challenges & benefits within the rising residential sector	Un Registered
300	MATPR-D-22-02731	1124	Megersa Dinkaa, Joan Nyikaa1	University of Johannesburg, Department of Civil Engineering Science, APK Campus 2006, Johannesburg, South Africa	The Progress in Using 3-D Printing Wastes Towards a Circular Economy	Un Registered

301	MATPR-D-22-03267	1190	Mahendra Singh1*, Ajay Biswas2	Department of Mechanical Engineering, National Institute of Technology Agartala, Tripura-799046, India	A short review on the synthesis and characterization of metal matrix composites	UnRegistered
302	MATPR-D-22-03269	1191	R.Theenthayalan, S.N.Thirisha, R. Suganya	Assistant Professor (Sr.Gr.), Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi.	Impact of different concrete ingredients on the microstructure of lightweight concrete – A comprehensive review	UnRegistered
303	MATPR-D-22-03350	802	P. Vincent Venkatesana, R. Suganyab, S. Revathic	Senior Professor & Head, Department of Civil Engineering, Mepco Schlenk Engineering College, Sivakasi – 626005, India	Experimental Investigations on concrete incorporated with Calcined Hydrotalcite under Sea Water Curing	UnRegistered
304	MATPR-D-22-02866R1	1305	Mohammed Abid Jameel1, Laith S. M. Al-Asadi 2, Zuhair Abd Hacheem 1, Ahmed S. D. AL-Ridha2*	Department of Water Resources engineering, College of engineering, Mustansiriyah University, Baghdad 10001 Iraq	Effect of Chopped Carbon Fibre (CCF) on Enhancing the Compressive Strength and Density of Gypsum Plaster	UnRegistered
305	MATPR-D-22-02674R1	1328	A. A. Alamiery a,b,* , L. M. Shaker a , A. A. H. Kadhum c , W. N. R. W. Isahak a	Department of Chemical and Process Engineering, Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia (UKM), P.O. Box: 43000, Bangi 43600, Selangor, Malaysia	Computational Investigations on Furan-Schiff base as Corrosion Inhibitor for Iron	UnRegistered
306	MATPR-D-22-02859R1	1335	D. Harinder, B Chandu* M Aditya,	Assistant Professor, Department of Civil Engineering, VNRVJIEET, Hyderabad, Telangana	Evaluation of Different Types of Soil Subgrade Using Glass Powder for Low-Volume Roads (LVRs)	UnRegistered
307	MATPR-D-22-02729R1	1352	*Priyadharsini S, Lakshmanan B, Yogarajan G	Department of Computer Science and Engineering, Mepco Schlenk Engineering College(Autonomous), Sivakasi – 626005, India	Deep U-Net Framework for Mitosis Detection in Histopathology Images	UnRegistered

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3	5003	A Review on Coir Fibre Reinforced Concrete using Metakaolin and Robo sand	Yedukondalu	C	ACC Ltd
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5	5005	Experimental Investigation on Mix Proportions of Foam Concrete To Fix Ingredients in Low And Medium Densities	Ravi Dakshina Murthy	Nemani	Chaitanya Bharathi Institute of Technology
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29	5029	Studies on Strength and Workability of Geopolymer Concrete made with Zeolite	Mahathi	Tummala	Jawaharlal Nehru Technological University, Hyderabad
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47	5047	Assessment Of Wear Behaviour on AISI410 Martensitic Stainless Steel by Vacuum Annealing And Tempering Process	Nikhil	A	UG students, Mechanical Engineering, GokarajuRangaraju Institute of Engineering and Technology, Hyderabad
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49	5049	Analysis of the Compression Performance of Novel Non-Axisymmetric Polymer Honeycomb Structures Manufactured Through Fused Deposition Modeling	Ashish Kumar	Mishra	Department of Mechanical Engineering, Indian Institute of Technology Kanpur, Kanpur-208016 (India)
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51	5051	Post-deformation microstructure analyses of copper oligocrystals using EBSD and crystal plasticity simulation	I. Thiruselvam	N	Department of Mechanical Engineering, BITS Pilani, K. K. Birla Goa Campus, Goa, India
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53	5053	Experimental and Numerical analysis of Grooved wick Heatpipe	K Sai Santhosh	Rao	UG students, Mechanical Engineering Department, GRIET, Bachupally, Hyderabad, India
54	5054	Experimental Investigation and Optimization of Coefficient of Friction of Brass Sheet Metal using Taguchi Technique	V Dharam	Singh	Mechanical Engineering Department, Muffakham Jah College of Engineering and Technology Hyderabad-500034, Telangana, Indi
55	5055	Thermal Analysis of Fins to Maximize the Engine Cylin-der Heat Transfer Rate	Srinath	Begudem	UG students, Department of Mechanical Engineering, Gokaraju RangaRaju Institute of Engineering and Technology, Hyderabad, Telangana 500090, India
56	5056	Little Millet Husk Natural Composites: Fabrication and Mechanical Characterization	Petter	Sneha	P.G Student, M. Tech (CAD/CAM), Department Of Mechanical Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Bachupally, Hyderabad, India
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59	5059	Design of Automatic Braking System Using Electromagnets	Jain	Chandan	UG Student, Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, Telangana 500090, India
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71	5071	Modeling and Analysis of Aircraft Wing Using AA 2024 and Ti-6Al-4V	D.Saivikas	reddy	UG students,mechanical engineering, gokaraju rangaraju institute of engineering and technology, hyderabad, india
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112	5112	Rice Leaf Disease Detection Using CNN	Anuradha	Kodali	Gokaraju Rangaraju Institute of Engineering and Technology
113	5113	Enhancing The Performance of kNN For Glass identification Dataset Using Inverse Distance weight, ReliefF Ranking and SMOTE	BHOWMICK	SANDIPAN	NIT Agartala
114	5114	A Critical and Comparitive analysis on Face Mask detection using deep learning algorithms	Prasanth	Yalla	Koneru Lakshmaiah Education Foundation
115	5115	Color Coded Social Distance Detector	Vinuthna	Donghisharpu	Gokaraju Rangaraju Institute of Engineering and Technology
116	5116	Prediction of mental health illness using machine learning for technical employees	Sumitra	mallick	Guru Nanak Institutions Technical Campus

117	5117	IoT Based Smart College Bus Transport System	Chandra Shaker	Arrabotu	G. Narayanamma Institute of Technology & Science
118	5118	Smart-Farming Assistance for Agricultural Crops in Various Seasons using Web-Enabled Information Service	Smaranika	Mohapatra	Manipal University
119	5119	Scene Recognition and Image Caption Generation	Dr Shripad	Bhatlawande	Vishwakarma Institute of Technology
120	5120	Whale Optimization Based Attack Detection On Cloud Virtualized Infrastructure	Bhavana	Gupta	UIT-RGPV
121	5121	An Embedded System for Efficient Voice Command Recognition	Swati	Shilaskar	Vishwakarma Institute of Technology
122	5122	Pneumonia Detection Using CNN Variants	Deepak	Pippiri	Gokaraju Rangaraju Institute of Engineering and Technology
123	5123	Cloud Web Console (CWC) - a Web Console Framework for Connecting Multiple Cloud Databases.	Prasanth	Y	Koneru Lakshmaiah Education Foundation
124	5124	Material Removal Rate Studies On Machining Of D2 Steel In WEDM With Coated Zinc Wire	Anil Kumar	Pujari	Sr. Design Engineer, Invilogic Software Pvt Ltd.
125	5125	Literature Review on Cloud Security Using Machine Learning Techniques	Venkata Krishna	G P C	Sri Venkateswara University
126	5126	A comparative study on Wisconsin Breast Cancer Database through machine learning and deep learning paradigm	Kirankumar	Naidu	K.L. University

127	5127	High Resolution Image Classification using Support Vector Machine	Rohini	Sangeetham	Sri Venkateswara University College of Engineering
128	5128	Material Removal Rate Studies On Machining Of D2 Steel In WEDM With Brass Wire	Satyanarayana	kosaraju	Gokaraju Rangaraju Institute of Engineering and Technology
129	5129	An Experimental Investigation of Hydraulic System EngineHealth Using Decision Fusion Models	SIRISHA	B	Maturi Venkata Subba Rao (MVSR) Engineering College
130	5130	Analysis and Characterization of Suitable Absorbent Materials for Water Treatment	M. Ikumapayi	Omolayo	Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, Nigeria
131	5131	Perception of Undergraduate Students Towards Online Learning	Vanishree Sah	P	Associate Professor, H&S Department, CVR College of Engineering, Ibrahimpatnam- 501510
132	5132	Impact of Shopping Personalities on Online Impulse Buying Behaviour	Satyavani	Bethapudi	Associate Professor, Department of MBA, MLR Institute of Technology, Hyderabad, Telangana
133	5133	Development of Bio Based Nano-Lubricant from Walnut Shell for Refrigeration System	M. Ikumapayi	Omolayo	Department of Mechanical and Mechatronics Engineering, Afe Babalola University, Ado Ekiti, Nigeria
134	5134	EXPERIMENTAL AND KINEMATIC ANALYSIS OF AIR DRIVEN SLIDER CRANK MECHANISM	Sadak Ali Khan	Mohammad	Professor, Mechanical Engineering Department, Muffakham Jah College of Engineering and Technology, Hyderabad, Telangana, India
135	5135	Effect Of Magnetic Field On Radially Polarized Laser Induced Electron Acceleration In Vacuum	Ravindra	Singh	Department of Physics, Shivaji College (University of Delhi), Raja Garden, New Delhi-110027
136	5136	Green Synthesis and Characterization of TiO2 nano particles with Its Applications	Ranjith Kumar	A	Assistant Professor ,Department of Mechanical Engineering, Kakatiya University, Warangal, Telangana, India
137	5137	Estimation of Surface Roughness using Artificial Neural Network and Fuzzy Logic during Extrusion-based 3D Printing	Uma Maheshwera Reddy	Paturi	Department of Mechanical Engineering, CVR College of Engineering, Hyderabad,501510, Telangana, India

138	5138	Model Calculation and Evaluation of Neutron Induced Reaction Cross Section on ^{237}Np , ^{241}Am and ^{245}Cm Using EMPIRE 3.2 code	B. Olorunsola	Abel	Department of Physics, Faculty of Science, Federal University of Lafia, Lafia, 950101, Nasarawa State, Nigeria
139	5139	Emerging two-dimensional nanomaterial in cancer treatment- A Review	Arsh	Kaushal	Department of Chemistry UIS Chandigarh University Mohali 140413 Punjab India
140	5140	Synthesis and Application of Ionic Liquids Derived from Biomass-a Mini Review	Ashmita	Saxena	Department of Chemistry, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab-140413, India
141	5141	Peptide based electrochemical biosensors for detection of Human Norovirus: A Review	Naveen	Garg	Department of Chemistry, University Institute of Sciences (UIS), Chandigarh University, Gharuan, Mohali, Punjab-140413, India
142	5142	Alayisis of Excuvator Bucket with different materials	Naga Sai Viswanath	iruku	Gokaraju Rangaraju Institute of Engineering and Technology