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1	Sudhir Kumar1*, Inderjeet Singh1, Dinesh Kumar1, and Seyed Saeid Rahimian Koloor2	Department of Mechanical Engineering, CT University, Ferozepur Rd, Sidhwan Khurd, Punjab 142024, India	Investigation on geometrical features for FDM printed biocompatible specimens of PLA: A mechanical and morphological viewpoint	Un Registered
2	Praveen Kumar Balguri1 Akhil Kothagolla , Naga Subash, Chintala Bhargav	Department of Aeronautical Engineering, Institute of Aeronautical Engineering, Hyderabad-500043, India	Design and Structural Analysis of Landing Gear System for Perching UAV	Un Registered

3	Vinayak Malik & Satish V. kailas	Department of Mechanical Engineering KLS Gogte Institute of Technology & Indian Institute of Science Bangalore	Investigating the effect of pin and pin-cum shoulder runouts on microstructure evolution of friction stir welds	Un Registered
4	Chander Prakash1 , Alokesh Pramanik2 , Animesh Basak3 , S. Shankar4 , Shankar Sehgal5*, Kuldeep K Saxena6	School of Mechanical Engineering, Lovely Professional University, Phagwara, Punjab, India	Synthesis of Bio-inspired Mg-HA-MWCNT Porous Composite by Spark Plasma Sintering	Un Registered
5	Kuldeep K Saxena1 , Chander Prakash2,3*, Hitesh Vasudev2,3, Shankar Sehgal4	Department of Mechanical Engineering, GLA University, Mathura, UP, India-281406	In-vitro and corrosion analysis of plasma-sprayed HAP+TiO2 coatings for biomedical applications	Un Registered
6	Johnson Kehinde Abifarina , Fredah Batale Fidelisb & Chander Prakashc, Shakar Sehgald, Kuldeep K Saxenae*	Department of Mechanical Engineering, Ahmadu Bello University, Zaria. Nigeria	Computational analysis on the optimization of multi-mechanostructural properties of hydroxyapatite-alumina-titanium nanocomposite for biomedical application	Un Registered
7	Shankar Sehgal1 , Chander Prakash2,3*, Alokesh Pramanik4 , Animesh Basak5 , S. Shankar6 , Kuldeep K Saxena7	Mechanical Engineering, UIET, Panjab University, Chandigarh, India	Synthesis of HA-functionalized layer on Mg-Mn-Zn alloy using additive powder fed friction stir processing for Biomedical Applications	Un Registered

8	Omoniyi, P.O.1*, Ibitoye, S. E.1,2, Popoola, O.T.1 , Ikubanni, P.P.3, Adeleke, A.A.4, Mahamood, M. R.2,5, Akinlabi, E.T6 .	Department of Mechanical Engineering, University of Ilorin, Ilorin, Nigeria	Recycling Plastic Waste as Composite Reinforcement	Un Registered
9	S. S. Godara1*, Saurabh Kumar Singh2 and Rishabh Chaudhary3	Assistant Professor, Department of Mechanical Engineering, Rajasthan Technical University Kota, Rajasthan 324010, India	Bending Stress and Fatigue Analysis of Connecting Rod Using ANSYS	Un Registered
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12	Rajesh Kumar,1 and N. Iniyan Thiruselvam,1,a	Department of Mechanical Engineering, BITS Pilani, K. K. BirlaGoa Campus, Goa, India	Finite Element Analyses and Experiments on Novel Hierarchical Auxetic Structure	Un Registered
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14	Rasheedat M. Mahamood1,2* Daniel Adeshina3, Tien-Chien Jen2 M Shatalov4 , EV Murashkin5, and Esther T. Akinlabi6	Department of Materials and Metallurgical Engineering, University of Ilorin, Nigeria	Microstructural Characterization of Laser Additive Manufactured Functionally Graded Materials: An Overview	Un Registered
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92	S. A. Afolalu1,4, O. M. Ikumapayi 1,6,*, J. F.Kayode1, T. S. Ogedengbe 2, A. A. Adediran 3, T.C. Jen4, E. T. Akinlabi5	Department of Mechanical Engineering, Afe Babalola University, Ado Ekiti, Nigeria	Development of nano - flux powder from biowaste for welding application	Un Registered
93	O. M. Ikumapayi1,2,*, O. T. Laseind2, P. Onu3, T. S. Ogedengbe4, R. A. Kazeem5,7, S. A. Afolalu1,7, E. T. Akinlabi	Department of Mechanical Engineering, Afe Babalola University, Ado Ekiti, Nigeria	Non-traditional machining techniques in manufacturing industries - An Overview	Un Registered
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97	Vineeth Krishna1 R Raja1 Sabitha Jannet1 George Jud	Assistant Professor(S.G) Mechanical Engineering Department Karunya Institute of Technology and Sciences Coimbatore-641114 India	Development of Hybrid nanoparticles reinforced surface composite layers produced on a copper substrate using friction stir processing	Registered
98	Lavanya Thyda, Koppula Naresh, Joel K Joseph, S. Suneetha, , and Kuppusamy Thangaraju1	Organic optoelectronic device laboratory, Department of Physics, National Institute of Technology, Warangal - 506004, Telangana, India	Organic/ZnO Nanoheterostructured hybrid thin films for Optoelectronic Applications	Un Registered
99	Amit Kumar Rana1 , Ritwik Basu2 , Prasenjit Das3 , Paritosh Mahata4 , Prasanta Kumar Sinha1	Department of Mechanical Engineering, Faculty of Science and Technology, The ICFAI University Tripura, Agartala - 799210, India	Elastic-plastic FE analysis for specimen J-resistance curve of 22NiMoCr37 steel	Registered
100	S.K.Acharya1 ,S Majhi2	Department of Mechanical Engineering NIT Rourkela-769008,Odisha,INDIA	Mechanical and tribological behavior of Agave Lechuguilla fiber-reinforced epoxy composite	Un Registered
101	Prakash Kodali1, Laksha Koti1, Uday Kumar2, Rakesh Kumar2*	Department of ECE, NIT, Warangal, Warangal 506004, India	3D Printed Waste Material Processing to Nanofibers for Energy Harvesting and Sensing	Un Registered

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112	Dr. IKUMAPAYI Omolayo	Mechanical and Mechatronics Engineering Department, College of Engineering Afe Babalola University Ado Ekiti (ABUAD)	Development of Nano-refrigerant using agro-waste (rice husk ash) as a base material for a domestic refrigeration system	Un Registered
113	Dr. IKUMAPAYI Omolayo	Mechanical and Mechatronics Engineering Department, College of Engineering Afe Babalola University Ado Ekiti (ABUAD)	Suitability of Agro-Wastes Based Flux as Enhancement for Welded Joints in Steels – A Review	Un Registered
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116	Hamdi Torun	Northumbria University, Newcastle Upon Tyne, UK	“A sensor embedded soft contact lens for continuous intraocular pressure monitoring”	Un Registered

117	Gouthami Thumma,1 Chandrashekar Thalluri,2* Jithendar Reddy Mandhadi,2 V.Mallikarjun3, Gangarapu Kiran4	University College of Pharmaceutical Sciences, Kakatiya University, Hanamkonda, Warangal, Telangana, India-506003	Quality-By-Design Based Development and Characterization of Agomelatine Loaded Liquisolid Compact Tablets with Improved Biopharmaceutical Attributes	Un Registered
118	Ipfi Mathoho	The Council for Scientific and Industrial Research	Materials characterization of AISI 8620 steel manufactured through the DED system	Un Registered
119	Vineeth Krishna1 R Raja1 Sabitha Jannet1 George Jude1	Mechanical Department,Karunya Institute of technology and sciences,Coimbatore - 641114,India	Development of Hybrid nanoparticles reinforced surface composite layers produced on a copper substrate using friction stir processing	Registered
120	Professor Stephen Akinlabi	Department of Mechanical and Construction Engineering Northumbria University, Newcastle upon Tyne	Numerical Analysis of TIG, MIG, And TIG/MIG Hybrid Welding of Steel Plates'	Un Registered
121	*Shafeek Ma, Narayanan Namboothiri V.Nb, C.Rajuc	Research Scholar, Mechanical Engineering Department, School of Engineering, Cochin University of Science and Technology, Kochi, Kerala, India	Investigation and process parameter optimization in multi-point incremental forming of titanium grade 2 sheets	Un Registered
122	S. A. Afolalu1,3, T. S. Ogedengbe 2, *, O. M. Ikumapayi 1,4, M. E. Emetere5, O. J. Oyebode6	Department of Mechanical Engineering, Afe Babalola University, Ado Ekiti, Nigeria	Development and Optimization of Multi Point Cutting Tool from Recycled Steel using Agrowaste as Case Hardening	Un Registered

123	David Olubiyi Obada	Ahmadu Bello University, Zaria Nigeria	Predicting the properties of strontium-doped hydroxyapatite using machine learning	Un Registered
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125	S. A. Afolalu1,3, T. S. Ogedengbe 2, *, O. M. Ikumapayi 1,4, M. E. Emetere5, O. J. Oyebo	Department of Mechanical Engineering, Nile University of Nigeria, Abuja, Nigeria	Development of a nano-hybrid coolant for machining operatio	Un Registered
126	T. S. Ogedengbe 1, *, S. A. Afolalu2, O. M. Ikumapayi 2, S. Abdulkareem3, H.A, Ajimotokan3, M. E. Emetere4	Department of Mechanical Engineering, Afe Babalola University, Ado Ekiti, Nigeria	Viability of selected agro-waste as case hardening materials for cutting tools – A review	Un Registered
127	Yifan Li,	Northumbria University Newcastle Upon Tyne, UK	Controlled Cooperative Wetting Enabled Hydrogel Smart Devices and Future Applications	Un Registered

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1	Indradeep Kumar	"Characterization of Microstructure and Properties of Additively Manufactured Materials under Room and Elevated Temperatures"	Un Registered
2	A SOMAIAH	"FEA-Based Investigation of Fatigue Life and Durability of Materials and Structures in Automotive Applications"	Un Registered
3	Yagya Dutta Dwivedi	"Sustainable Manufacturing of High-Performance Composites from Recycled Materials"	Un Registered
4	R Srinivas	"Investigation of Microstructure and Mechanical Properties of High-Temperature Super Alloy under Room and Elevated Temperatures"	Un Registered
5	P. Venkata Mahesh	"Sustainable Materials for Water Treatment: A Comprehensive Review"	Un Registered
6	Yagya Dutta Dwivedi	"Characterization of Sustainable Bio-Based Materials for Food Packaging Applications"	Un Registered
7	A SOMAIAH	Innovative Approaches to Thermal Management in Next-Generation Electronics	Un Registered
8	GVR. Seshagiri Rao	Sustainable Utilization of Natural Stone Resources: Environmental Impacts and Preservation of Cultural Heritage"	Un Registered
9	B D Y SUNIL	"Modeling and Simulation of Fracture Mechanics and Failure Analysis of Materials using FEA"	Un Registered
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