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1	Sudhir Kumar1*, Inderjeet Singh1, Dinesh Kumar1, and Seyed Saeid Rahimian Kolor2	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
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10	Shyam Rangreja , Shaileshkumar Pandyaa , Jyoti Menghania	Department of Mechanical Engineering, SVNIT, Surat, Gujarat-395007, India	Investigation on the Microstructure, Microhardness and Tensile Strength of A713-TiB2-Graphene Hybrid Composites	Un Registered
11	Tusharbhai Gajjara*, Chunhui Yanga , Lin Yeb and Y.X. Zhanga	School of Engineering, Design and Built Environment, Western Sydney University, Penrith, NSW 2751, Australia	Investigation of tensile strength of 3D printed fibre reinforced PLA using pre and post heating techniques in FDM-based 3D printer	Un Registered
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
13	Mayur A. Makhesanaa,* , Kaushik M. Patela	Mechanical Engineering Department, Institute of Technology, Nirma University, Ahmedabad 382481, India	Comparative analysis of dry, flood, MQL and nanofluid-MQL techniques during machining of Ti-6Al-4V titanium alloy	Un Registered

14	Rasheedat M. Mahamood ^{1,2*} Daniel Adeshina ³ , Tien-Chien Jen ² M Shatalov ⁴ , EV Murashkin ⁵ , and Esther T. Akinlabi ⁶	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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24	Ndudim Ononiwu,Celestine N Achebe, Ifeanyi O Jacobs, Chukwuemeka Anyaoha, Chibuzo V Ikwuagwu	University of Nigeria Nsukka	THE EFFECT OF CARBONIZED EGGSHELL ON THE PROPERTIES OF BAMBOO-BASED POLYESTER COMPOSITE	Un Registered
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27	Rasheedat Mahamood,T. H. Sibisi, M. B. Shongwe, R. M. Mahamood, T-C. Jen, O.T. Johnson, S. A. Akinlabi, H. Dong, K. F. Carter and E. T. Akinlabi.	University of Ilorin; University of Johannesburg	Microstructural and mechanical properties of aluminium Ni-40Fe-10Ti fabricated by friction stir processing	Un Registered

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31	J.K. Odusotea, A.A. Adeleke, P.P. Ikubanni, d,eOmoniyi Peter, eTien-Chen Jen G.O. Odedelea, fJude A. Okoli, gEsther Akinlabi	Department of Materials and Metallurgical Engineering, University of Ilorin, Ilorin, Nigeria	Hydroxyapatite Production from Eggshells for Dental Implants: Synthesis and Characterization	Un Registered
32	Muni Tanuja Anantha ^{1, 2} , Tanya Buddi ³ and Nageswara Rao Boggarapu ¹	Department of Mechanical Engineering, Koneru Lakshmaiah Education Foundation, Green Fields, Vaddeswaram, Guntur-522502, Andhra Pradesh, India	Optimal constrained groove pressing (CGP) process parameters applying modified Taguchi technique and multi objective optimization	Un Registered
33	Harshwardhan Chandrakanat Pandit a* and Anand Sharad Deshpande b	Department of Technology, Shivaji University, Kolhapur. Maharashtra. India	Modelling And Characterization Of Green Sand Moulds In The Casting Process For Determination Of Mould Health	Un Registered

34	Olorungbemi A. Elijah ¹ , Esther T. Akinlabi ² , Tien- Chien Jen ¹ , Philip O. Oladijo ^{1,3} , Olatunji P. Abolusoro ⁴	Department of Mechanical Engineering Science, University of Johannesburg, South Africa	INVESTIGATION OF ORANGE PEEL AS AN INHIBITOR ON THE CORROSION SUSCEPTIBILITY OF MILD STEEL	Un Registered
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37	Sumit Sharma* ¹ , Gopal Nandan ¹ , R. K. Tyagi ¹ , P. K. Rohtagi ²	Department of Mechanical Engineering, AUUP, Noida	A novel clamp technique to produce NiTi wire based self-healing metal-matrix of A356 alloy.	Un Registered
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41	Roopesh Kumar ¹ , Rajesh Purohit ² , Abhijeet Ganguly ³ and Santosh Sharma ⁴	Research Scholar, Department of Mechanical Engineering, CSIT Durg, C.G.-491001 India	Design and Finite Element Analysis of the Natural Fiber Reinforced Polymer Hybrid Composite Automotive Fuel Tank	Un Registered
42	Sajib Aninda Dhara, Md. Abdul Gafura*, Md. Rakibul Qadira, Aninda Nafis Ahmeda, and Md. Arifur Rahman Khana	Pilot Plant and Process Development Centre (PP & PDC), Bangladesh Council of Scientific and Industrial Research, Dr. Qudrat I Khuda Road, Dhaka, Bangladesh	An investigation on the effect of addition of Antimony (Sb) on the microstructural, thermal and mechanical properties of annealed Sn-9Zn-xSb ternary solder alloy	Un Registered
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56	Katla Rajendar ^{1*} and K. Eswaraiah ²	Research Scholar, Department of Mechanical Engineering, Kakatiya University, Warangal, Telangana, India	Investigation on the effect of reinforcement compositions on the properties of Aluminum LM 25/h-BN/B4C hybrid composites and its optimization using mixture design and desirability function	Un Registered

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61`	Ashish Kumara, R. S. Ranab, Rajesh Purohitc, Madhusudan Bagheld, Anurag Namdeve	Department of Mechanical Engineering, Maulana Azad National Institute of Technology (MANIT), Bhopal, M.P, 462003, India	Mechanical and Tribological Characterization of Multifunctional Aluminum Matrix Nanocomposites	Un Registered
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64	Meenakshi Rajpurohit* ¹ , Rahul Sinha ² , Dr. Pankaj B Agarwal ³ , Rajesh Purohit ⁴ and Anurag Namdev ⁵	MTech, Department of Physics, MANIT, Bhopal, MP, India	Advanced Pyroelectric Materials for High-Performance Infrared Detection: Design, Simulation, and Optimization using Finite Element Method in COMSOL Multiphysics	Un Registered
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