BMS COLLEGE OF ENGINEERING, BENGALURU -560 019

(Autonomous College under VTU)

Department: MECHANICAL ENGINEERING

International and National Journal Publications -July 2022 to June 2023

SL No	Faculty Name	Title of the Paper	International(I) /National (N) Journal	Title of The Journal	ISSN No.	Month & Year of Publication	Pg No.	Impact Factor
1	Dr. B N Sarada	"A comparative assessment on the characteristics of HVOF sprayed cermet coatings"	International (I)	Australian Journal of Mechanical Engineering		Jul-22		
2	Dr. K.Veerabhadrappa, Dr.J.Sharana Basavaraja, Dr.Suhas B.G, Dr.R.Suresh Kumar	Thermal analysis on Ti-6AL-4V tool architecture using Johnson–Cook material model	International (I)	Global Transitions Proceedings	2666-285X	Jul-22	432 - 437	0.3
3	Dr. H .R. Prakash	Structural ordering at magnetic seeds with twins at boundaries of a core–shell alloy Mn60Bi40 and tailored magnetic properties	International (I)	IOP PublishingvLtd., Nanotechnology 33 (2022) 405703 (20pp) https://doi.org/10.1088/1361-6528/ac7652		13.07.2022		
4	Dr.V.Bharathi, Dr.Prabhu Swamy N R, Dr.Anil Chandra A.R.	Statistical Analysis of Friction-Stir Welding of Al-6063 Alloys	International (I)	Journal of Mines, Metals and Fuels	0022-2755	Aug-22	238-245	0.117
5	Dr. G. Saravanakumar	The Study Of Heat Transfer Enhancement Due To Various Nanofluids Between Rotating Stretchable Disks	International (I)	International Journal of Ambient Energy		8/8/2022		
6	Dr. S.Srinivas	"Workability Studies on Al6061 Alloy and Al6061 Metal Matrix Composites Reinforced with Silicon Carbide Particles Under Cold Backward Extrusion"	National (N)	Journal of Insitute Engineer India		8/23/2022		
7	Dr. Ravikumar M	Effect of Triggering mechanism and Variable Strain Rates on Energy Absorption of Glass Fiber Reinforced Polymer Tubes Under Quasi Static Compression	International(I)	Journal of Mines, Metals & Fuels	0022-2755	Aug-22	xx-xx	0.117
8	Dr. Ravikumar M Dr. Rudra Naik &	'Impact of nano sized SiC and Gr on mechanical properties of aerospace grade Al7075 composites'	International (I)	Frattura ed Integrità Strutturale Frattura ed Integrità Strutturale, 62 (2022)	ISSN : 1971-8993 (online)	10/1/2022	439-447	1.59
9	Dr. Rudra Naik, Dr.Sangamesh C Godi Dr. Chidanand K Mangrulkar	Thermal performance analysis of a mixed-flow indirect evaporative cooler	International (I)	Applied Thermal Engineering	Vol 217	Nov-22	119155	6.4
10	Dr. V S Mudakappanavar, & Dr. Santhosh D	Experimental Fatigue Studies of Additively Manufactured Fiber Reinforced Thermoplastic	National (N)	Journal of Mines, Metals and Fuels	ISSN : 0022-2755	October, 2022	349-354	0.117
11	Dr. Santhosh D, Dr. J. Sharana Basavaraja	"Prediction of Localised Non-Linear Stress and Strain at the Critical Location of Mechanical Members— A Neuber's Rule Study"	International (I)	Advancement in Mechanical Engineering and Technology	Volume 5, Issue3, HBRP Publication, ISSN: 2582-2994	11/3/2022	Page 1-12	0.5
12	Dr. R. N .Ravikumar	"A Review on Performance Characteristics of an Air Foil Thrust Bearing"	International (I)	Tribology Online Japanese Society of Tribologists	Online ISSN 1881-2198, 2022, Vol. 17, No. 4 (2022)	11/15/2022	276-282.	0.97

SL No	Faculty Name	Title of the Paper	International(I) /National (N) Journal	Title of The Journal	ISSN No.	Month & Year of Publication	Pg No.	Impact Factor
13	Dr.B.Sudarshan	'Effect of shock wave impact on natural chitosan biopolymer'	International (I)	International Journal of Polymer Analysis (IJPAC)	Vol. 17, ISSN 1881-2198	11/24/2022	No. 4 (2022) 276-282	
14	Dr. Bharathi.V, Dr.Anil Chandra A.R.	Novel Coir/Chitosan Composites for Packaging Applications	International (I)	Journal of Mines, Metals and Fuels	0022-2755	Nov-22	222 -227	0.11
15	Dr. Ravikumar M	A Study of Mechanical and Wear Behavior of SiC-CeO2 Reinforced Al7075 Hot Rolled Hybrid Composites	International(I)	Archives of Metallurgy and Materials	ISSN 1733-3490	Nov-22	xx-xx	0.6
16	Dr.B.Sudarshan	Shock wave effects on Chitosan biopolymer for drug delivery applications	International (I)	Aerospace and Associated Technology - Proceedings of the Joint Conference of ICTACEM 2021, APCATS 2021, AJSAE 2021 and AeSI 2021		20-12-22 to 22-12-22	493-498	
17	Dr.B.Sudarshan	Effect of oblique shocks interaction on the inlet structure in a hypersonic flow	International (I)				522-527	
18	Dr.B.Sudarshan	Experimental study on two octave Indian flute acoustics	International (I)				87-94	
19	Dr.B.Sudarshan	Aerodynamic Study on Airfoil U- shape Tubercles Geometry	International (I)				186-191	
20	Dr.B.Sudarshan	Design of Propulsion System for Propeller-less UAV	International (I)				217-221	
21	Dr. Santhosh D., Dr, G. Giridhara & Dr. J. Sharana Basavaraja	"Design and Development of Sheet Metal Rack via Static, Modal and Seismic Analysis"	International (I)	Research and Development in Machine Design: 5 HBRP Publication	Volume 5, Issue 3	15.12.2022	pp. 1-17 (3)	0.5
22	Dr.Madhav Murthy	"Predicting Consumer Decisions Using Modified Temporal Motivation Theory"	International (I)	"Stakeholder Wellbeing through Value Creation" Transnational Marketing Journal (TMJ).		17.12.2022		
23	Dr. Ravikumar M	Comparative Study on Micro and Nano Sized SiC Particulates Reinforced Al7075 Composites Using Stir Casting Process	International(I)	Archives of Metallurgy and Materials	ISSN 1733-3490	Dec-22	xx-xx	0.6
24	Dr. Ravikumar M	Nano Sized SiC - Gr Particulates Reinforced Al7075 Hybrid Composite: Experimental Studies and Analysis of Quenching Agents	International(I)	Jurnal Tribologi	ISSN (online) : 2289-7232	Dec-22	xx-xx	1.67
25	Dr. V S Mudakappanavar	Investigation on microstructure and tensile fractography of RE Oxides (CeO2/Y2O3)reinforced AZ91D Magnesium Matrix Composites	International (I)	Frattura ed Integrità Strutturale,	1971-8993	Jan-23	100-109	0.486
26	Dr. V S Mudakappanavar & Dr.Tataram K Chavan	Performance test of Coated HSS Tool with respect to thrust force, Torque and surface Integrity on Customized EN8 specimen,	International (I)	International Journal of Advanced Technology and Engineering Exploration	2394-5443	Jan-23	105-118	

SL No	Faculty Name	Title of the Paper	International(I) /National (N) Journal	Title of The Journal	ISSN No.	Month & Year of Publication	Pg No.	Impact Factor
27	Dr. Ravikumar M	Influence of quenching agents on mechanical, wear, and fracture characteristics of Al2O3 / MoS2 reinforced Al-6061 hybrid Metal Matrix Composite (MMCs)	International (I)	Frattura ed Integrità Strutturale	ISSN 1971-8993 (Online)	Jan-23	122-133	1.59
28	Dr. Ravikumar M	Mechanical, Wear, and Fracture Behavior of Titanium Diboride (TiB2) - Cerium Oxide (CeO2) Reinforced Al-6061 Hot-rolled Hybrid Composites	International (I)	Frattura ed Integrità Strutturale	ISSN 1971-8993 (Online)	Jan-23	289-300	1.59
29	Dr. G Saravanakumar, & Sri. Suresh Erannagari	Thermal Conductivity of Hot‑Rolled Al7075/TiB2/Graphite Hybrid MMCs	International (I)	The Institution of Engineers (India) 2023 Published online 6th February 2023		2/6/2023		
30	Dr.Ravikumar R N	Parametric Studies on Performance of Oil-Free Thrust Foil Bearings at Lower Speeds	International (I)	Tribology in Industry www.tribology.rs	23) 81-88, DOI: 10.2487	Mar-23	1-88, DOI: 10.	1.42
31	Dr. Ravikumar M	Study on microstructure, tensile, wear, and fracture behavior of A357 by modifying strontium (Sr) and calcium (Ca) content	International (I)	Materials Physics and Mechanics	ISSN 1605-8119	Mar-23	128-140	0.696
32	Dr. Suhas B G, Dr.Chidananda K Mangrulkar & Sri. Kiran Kumar K U	Numerical Investigation of Forced convective and subcooled flow boiling heat transfer coefficients of water-ethanol mixture by CISCAM Technique	International (I)	Journal of Mechanical Science and Technology, Korean Society of Mechanical Engineers, Springer	1976-3824	April 2023	2055-2067	1.6
33	Dr. R. Suresh Kumar	Investigation of High-Temperature Erosion Behavior of NiCrAlY/TiO2 Plasma Coatings on Titanium Substrate	International (I)	The Minerals, Metals & Materials Society	https://doi.org/10.1007/s11837-023-05894-4	May-23		
34	Dr. Sudarshan B	'Hypersonic flow study in a pneumatically operated academic shock tunnel'	International (I)	Review of Scientific Instruments published by American Institute of Physics (AIP).	DOI: https://doi.org/10.1063/5.0142147	5/15/2023		
35	Sri. E Suresh	Parametric analysis of processing variables for enhanced adhesion in metal-polymer composites fabricated by fused deposition modeling	International (I)	Journal of Adhesion Science and Technology, Published by Taylor & Francis	Print ISSN: 0169-4243	Jun-23		
36	Dr. Ravikumar M	A Study on Micro-structure, Hardness and Optimization of Wear Characteristics of Al6061/TiB2/CeO2 Hotrolled MMCs using Taguchi Method	International (I)	Frattura ed Integrità Strutturale	ISSN 1971-8993 (Online)	Jun-23	178-193	1.59
37	Dr. Ravikumar M	Study on mechanical and machinability characteristics of n-Al2O3/SiC-reinforced Al7075 composite by design of experiment technique	International (I)	Multiscale and Multidisciplinary Modeling, Experiments and Design	Electronic ISSN: 2520-8179 Print ISSN: 2520-8160	17-Jun-23	01to14	2.2
38	Dr. R. Suresh Kumar	Predicting the Adsorption Efficiency Using Machine Learning Framework on a Carbon-Activated Nanomaterial	International (I)	SAGE Publishing, Adsorption Science & Technology	Volume 2023, Article ID 4048676, https://doi.org/10.1155/2023/4048676	Jun-23	11 pages	
39	Dr. Ravikumar M, Dr.Rudra Naik	Study on nanosized Al2O3 and Al2O3-SiC on mechanical, wear and fracture surface of Al7075 composites for soil anchoring applications	International(I)	Materials Physics and Mechanics	ISSN 1605-8119	Jun-23	xx-xx	0.696

SL No	Faculty Name	Title of the Paper	International(I) /National (N) Journal	Title of The Journal	ISSN No.	Month & Year of Publication	Pg No.	Impact Factor
40	Dr.L.Ravikumar	Autonomous Vehicle navigation methods in dynamic environments: A Review	International(I)	International Journal for Research Trends and Innovation	Volume 7, Issue 10, ISSN : 2456-3315	Oct-22	780-786	
41	Dr.L.Ravikumar	The significance of 3D Printing parameters on mechanical performance of 3D printed specimen using FDM Technique	International(I)	International journal of Advances in Engineering and Management (IJAEM)	Volume 5, Issue 2 Feb.2023ISSN: 2395-5252 DOI:10.35629/5252-0502-286-303	10.02.2023	286-303	