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Dr. P. Senthil
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Dr. J. Jerald
Dr. V. Senthilkumar
Dr.V.Anandakrishnan
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Conferences
Training Programmes
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Short Term Courses
Dr.S.Vinodh
Dr.D.Lenin Singaravelu

Journals

Journals published by Mr. V. Anandakrishnan

INTERNATIONAL JOURNAL (41)

S#	Title	Author(s)	Journal	Y / V
1.	Effect of geometric work-hardening and matrix work-hardening on new constitutive relationship for aluminium–alumina P/M composite during cold upsetting	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	International Journal of Mechanics and Materials in Design	V S 3
2.	Effect of carbon content on workability of powder metallurgy steels	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Materials Science and Engineering A	V C
3.	Some aspects on plastic deformation of copper and copper–titanium carbide powder metallurgy composite preforms during cold upsetting	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	International Journal of Material Forming	V D
4.	Effect of carbon content on instantaneous strain-hardening behaviour of powder metallurgy steels	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Materials Science and Engineering	V D 5
5.	Effect of geometric work-hardening and matrix work-hardening on workability and densification of aluminium-3.5% alumina composite during cold upsetting	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Materials & Design	V F

6.	Comparison of workability strain and stress parameters of powder metallurgy steels AISI 9840 and AISI 9845 during cold upsetting	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Materials & Design	V 2
7.	Effect of molybdenum addition on workability of powder metallurgy steels during cold upsetting	R.Narayanasamy, V.Anandakrishnan, K.S.Pandey	Materials Science and Engineering	V A
8.	Multi-Response Optimization of turning Parameters of AL-6061-TIB2 in-situ metal Matrix Composite using Grey-Taguchi Method	A.Mahamani, V.Anandakrishnan	International eJournal of Mathematics and Engineering	V 2
9.	Investigations of flank wear, cutting force, and surface roughness in the machining of Al-6061–TiB2 in situ metal matrix composites produced by flux-assisted synthesis	V.Anandakrishnan, A.Mahamani	The International Journal of Advanced Manufacturing Technology	V P
10.	Determination of optimum parameters for multi-performance characteristic in turning of Al-6061-6%ZrB2 in-situ metal matrix composite using grey relational analysis	A.Mahamani, N.Muthukrishnan, V.Anandakrishnan	International Journal of Manufacturing, Materials, and Mechanical Engineering	V M
11.	Comparison of high temperature wear behaviour of plasma sprayed WC–Co coated and hard chromium plated AISI 304 austenitic stainless steel	G.M.Balamurugan, Muthukannan Duraiselvam, V.Anandakrishnan	Materials & Design	V 6
12.	Effect of sintering temperature and time intervals on workability behaviour of Al–SiC matrix P/M composite	J.Bensam Raj, P.Marimuthu, M.Prabhakar, V.Anandakrishnan	The International Journal of Advanced Manufacturing Technology	V 4 1
13.	Mathematical Modeling of Machining Parameters in Electrical Discharge Machining with Cu-B4C Composite Electrode	V.Anandakrishnan, V.Senthilkumar	Advanced Materials Research	V 8
14.	Synthesis and Forming Behaviour of AA 7075–	V.Anandakrishnan, S.Baskaran, S.Sathish	Advanced Materials Research	V 5

	TiC Metal Matrix Composites			
15.	Effect of Sintering Temperature on the Formability and Pore Closure Behavior of Al-SiC Composites	J.Bensam Raj, P.Marimuthu, M.Prabhakar, V.Anandakrishnan	Applied Mechanics and Materials	V 3
16.	Workability Behavior of Al-SiC Matrix P/M Composites Under Triaxial Stress State Condition	J.Bensam Raj, P.Marimuthu, M.Prabhakar, V.Anandakrishnan	International Review of Mechanical Engineering	V 9
17.	An ANN approach for predicting the cutting inserts performances of different geometries in hard turning	N.Senthilkumar, T.Tamizharasan, V.Anandakrishnan	Advances in Production Engineering & Management	V 2
18.	Multi-Objective Optimization of Upsetting Parameters of Al-TiC Metal Matrix Composites A Grey-Taguchi approach	Mohit Sahu, A.Valarmathi, S.Baskaran, V.Anandakrishnan, Rupesh Pandey	Proceedings of the Institution of Mechanical Engineers, Part B Journal of Engineering Manufacture,	P (d
19.	Synthesis and forming behavior of aluminium-based hybrid powder metallurgic composites	M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	International Journal of Mineral, Materials and Metallurgy	V 2
20.	Effect of TiO2 in Aluminium Matrix on Workability Behavior of Powder Metallurgy Composites during Cold Upsetting	M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	International Journal of Materials Research	V 3
21.	Al–TiO2–Gr powder metallurgy hybrid composites with cold upset forging	M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	Rare Metals	V
22.	Densification and deformation studies on sintered powder metallurgy aluminium hybrid composite	M.Ravichandran, A.Naveen Sait, V.Anandakrishnan	Journal of Materials Research	V P
23.	Taguchi grey relational analysis of dry sliding wear behaviour of annealed AA7075-TiC metal matrix composites	S.Baskaran, V.Anandakrishnan, Muthukannan Duraiselvam, S.Raghuraman, V.M. Illayaraja Muthaiyaa	Applied Mechanics and Materials	V 2

24.	Effect of heat treatment on wear behavior of hot extruded AA7075 - 4%TiC in-situ metal matrix composite	S.Baskaran, B.M.Muthamizh Selvan, V.Anandakrishnan, R.Venkatraman, Muthukannan Duraiselvam	Applied Mechanics and Materials	V 2
25.	Dry sliding wear behaviour of zinc oxide reinforced magnesium matrix nano-composites	B.Selvam, P.Marimuthu, R.Narayanasamy, V.Anandakrishnan, K.S.Tun, M.Gupta, M.Kamaraj	Materials and Design	V 4
26.	Investigations on dry sliding wear behavior of in-situ casted AA7075-TiC metal matrix composites by using Taguchi technique	S.Baskaran, V.Anandakrishnan, Muthukannan Duraiselvam	Manuscript Accepted, Materials and Design	V 1
27.	Development of carbide intermetallic layer by electric discharge alloying on AISI-D2 tool steel and its wear resistance	I.Arun, P.Vaishnavi, M.Duraiselvam, V.Senthilkumar, V.Anandakrishnan	International Journal of Materials Research	V P
28.	Synthesis and Characterization of Al7075, Al7075-10 Vol.% Al2O3 Composite Prepared by High-Energy Ball Milling	C.Raja, R.Devi, S.Sivaprakash, V.Anandakrishnan	Applied Mechanics and Materials	V 7
29.	Synthesis of Al7075 Alloy/Al2O3 Composite and Corrosion Study	R.Devi, C.Raja, S.Sivaprakash, V.Anandakrishnan	Advanced Materials Research	V 5
30.	Synthesis of electric discharge alloyed nickel–tungsten coating on tool steel and its tribological studies	Ilangovan Arun, Muthukannan Duraiselvam, V.Senthilkumar, R.Narayanasamy, V. Anandakrishnan	Materials and Design	V P
31.	Experimental investigation and performance analysis of cemented carbide inserts of different geometries using taguchi based grey relational analysis	N.Senthilkumar, T.Tamizharasan, V.Anandakrishnan	Measurement	V P
32.	An Hybrid Taguchi-Grey Relational Technique and Cuckoo Search Algorithm for Multi-Criteria Optimization in Hard Turning of AISI D3 Steel	N.Senthilkumar, T.Tamizharasan, V.Anandakrishnan	Journal of Advanced Engineering Research,	V 1
33.	The effects of various reinforcements on dry	D.Jeyasimman, R.Narayanasamy, R.Ponalagusamy,	Materials and Design	V P

	sliding wear behaviour of AA 6061 nanocomposites	V.Anandakrishnan, M.Kamaraj		
34.	Workability Studies on Al+2.5%TiO2 +Gr Powder Metallurgy Composites During Cold Upsetting	Manickam Ravichandran, Abdullah Naveen Sait, Veeramani Anandakrishnan	Materials Research	V P
35.	Hot Upset Forging Studies on Al-2.5%-TiO2-C Hybrid Powder Metallurgy Composite	A. Naveen Sait and V.Anandakrishnan M. Ravichandran	Transactions of Powder Metallurgy Association of India	V P
36.	Optimization of powder metallurgy parameters to attain maximum strength coefficient in Al–10 wt% MoO3 composite	Manickam Ravichandran and Veeramani Anandakrishnan	Journal of Materials Research	V 2
37.	Synthesis and forming characteristics of Al–TiO2 powder metallurgy composites during cold upsetting under plane stress state conditions	M. Ravichandran, A. Naveen Sait, and V. Anandakrishnan	Journal of Sandwich Structures and Materials	2
38.	Effect of Particulate Reinforced Aluminium Metal Matrix Composite–A Review	C. Saravanan, K. Subramanian, V. Ananda Krishnan, and R. Sankara Narayanan	Mechanics and Mechanical Engineering	V P
39	Study of characteristics of Al + 5 wt.% TiO2 + 6 wt.% Gr hybrid P/M composite powders prepared by ball milling process	M. Ravichandran, VS. Vidhya, V. Anandakrishanan	Physicochemical Mechanics of Materials,	V 1
40	Optimization of welding parameters to attain maximum strength in friction stir welded AA7075 joints	Manickam Ravichandran, Mokkaiya Thirunavukkarasu, Shanmugam Sathish and Veeramani Anandakrishnan	Materials Testing	V M
41	Hot Upset Studies on Sintered (Al–TiO2–Gr) Powder Metallurgy Hybrid Composite	M Ravichandran, V Anandakrishnan	Strength of Materials, Springer	V M
42	Multi-Objective Optimization Of Electric Discharge Machining Of Hybrid Copper Composite Using Taguchi Grey Relational Analysis	R Ravikumar, K Ilayaraja, P Ranjith Kumar, Anandakrishnan Veeramani, S Sathish,	Journal of Advances in Chemistry	V 5

		M Ravichandran		
43	Workability behavior of hybrid copper matrix composites synthesized by powder metallurgy technique	K Ilayaraja, P Ranjith Kumar, V Anandakrishnan, N Sathish, V Ravichandran, R Ravikumar	Mechanics and Mechanical Engineering	V 2
44	Mechanical, electrical, and corrosion behavior of AA6063/TiC composites synthesized via stir casting route	Sekar Saravanan, Palanisamy Senthilkumar, Manickam Ravichandran, Veeramani Anandakrishnan	Journal of Materials Research	V 6
45	Accelerated Short-Term Techniques to Evaluate Corrosion in TiC Reinforced AA6063 Composites	S Saravanan, T Palanisamy, M Ravichandran, V Anandakrishnan, S Sankar, AV Balan	JOURNAL OF ADVANCES IN CHEMISTRY	V 5
46	Synthesis, characterization and forming behavior of hybrid copper matrix composites produced using powder metallurgy	Ilayaraja Karuppiah, Ranjith Kumar Poovaraj, Anandakrishnan Veeramani, Sathish Shanmugam, Ravichandran Manickam, Ravikumar Rangasamy	International Journal of Materials Research	V 5
47	Recent Issues in Materials and Manufacturing	M Ravichandran, V Anandakrishnan, Ing M Duraiselvam, Alokesh Pramanik	Advances in Mechanical Engineering	V 1
48	Investigations on electric discharge machining of copper-Al_2O_3-Gr powder metallurgy composites	R Gnanasekaran, J Bensam Raj, V Anandakrishnan	International Journal of Additive and Subtractive Materials Manufacturing	V 7
49	Multi Objective Optimization of Wear Behaviour of In Situ AA8011-ZrB2 Metal Matrix Composites by Using Taguchi-Grey Analysis	BM Selvan, V Anandakrishnan, Muthukannan Duraiselvam, Ramamoorthy Venkatraman, S Sathish	Materials Science Forum	V 2
50	Tribological behavior of AA7075-TiC composites by powder metallurgy	C Saravanan, K Subramanian, V Anandakrishnan, S Sathish	Industrial Lubrication And Tribology	V 1

51	Multi-objective Optimization of Cold Upsetting Parameters for Aluminium Metal Matrix Composites	PP Shantharaman, M Prabhakar, V Anandakrishnan, S Sathish	Transactions of the Indian Institute of Metals	V 6
52	Statistical analysis of Co-efficient of friction during dry sliding wear behaviour of TiC reinforced Aluminium Metal Matrix Composites	S Baskaran, V Anandakrishnan	Materials Today: Proceedings	V 1
53	Experimental Investigation and Optimization of SiC Abrasive Water Jet Machining of Aluminium Alloys	R. Rahul, S. Sreenivash, K. Renuka, V. Anandakrishnan S. Sathish	International Journal of Vehicle Structures & Systems	V 3
54	Multi Objective Optimization of Wear Behaviour of In Situ AA8011-ZrB2 Metal Matrix Composites by Using Taguchi-Grey Analysis	BM Selvan, V Anandakrishnan, Muthukannan Duraiselvam, Ramamoorthy Venkatraman, S Sathish	Materials Science Forum	V 2
55	Synthesis and Forming Behaviour of AA7075-TiC Powder-Metallurgy Composites	Saravanan Chinnaiyan, Subramanian Karuppazhagi, Anandakrishnan Veeramani, Sathish Shanmugam	Materials and technology	V 8

NATIONAL JOURNAL (01)

S#	Title	Author(s)	Journal
1.	Influence of carbon content on workability of PM steels	Dr. V. Anandakrishnan	Transactions of P Powder Metal Association of Ind

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