

## Papers Published in Journals for 2015-2016

S. No	Author Name	Title of the paper	Journal	Month, Year	Issue
1.	Vaddi Seshagiri Rao	Mechanical and Metallurgical Properties of Dissimilar Friction Welded Aluminum Alloys Under Sub-Zero Temperature	Journal of Chinese society of Mechanical Engineers	October 2016	Vol.37,5
2.	Sathish Rengarajan	Mechanical and Metallurgical Properties of Dissimilar Friction Welded Aluminum Alloys Under Sub-Zero Temperature	Journal of Chinese society of Mechanical Engineers	October 2016	Vol.37,5
3.	Selvam	Experimental and Numerical Investigation of the Flexural properties of Thick Laminated Hybrid Composites'	International Journal of Applied Engineering Research	October 2015	Vol. 10, No. 8,
4.	N.Arunkumar	Experimental and Numerical Investigation of the Flexural properties of Thick Laminated Hybrid Composites'	International Journal of Applied Engineering Research	October 2015	Vol. 10, No. 8,
5.	R.Venkatash	Wear analysis on silicon carbide coated HSS Pin on SS Disc Substrate	Elsevier, Procedia Material Science	2015	644-650
6.	V Seshagiri Rao	Wear analysis on silicon carbide coated HSS Pin on SS Disc Substrate	Elsevier, Procedia Material Science	2015	644-650
7.	N.Arunkumar	Wear analysis on Silicon coated HSS pin on HSS disc substrate	Procedia Materials Science	2015	Volume 10, 644-650
8.	N.Arunkumar	Mechanical properties and microstructure of friction welded Aluminum 6061-T6	International Journal of Applied Engineering Research	2015	0973-4562
9.	V Seshagiri Rao	Thermal and Structural Analysis Of Friction-Welded Dissimilar Materials	International Journal of Applied Engineering	Nov 2015	Vol. 10, No. 2
10.	R.Sathish	Thermal And Structural Analysis Of Friction-Welded Dissimilar Materials	International Journal of Applied Engineering Research	Nov. 2015	Vol. 10, No. 2
11.	R.Venkatash	The preparation of Al-Sic metal matrix composite and evaluation of its properties	International journal of innovations in Engineering and Technology	Feb 2016	Vol.3
12.	V Seshagiri Rao	The preparation of Al-Sic metal matrix composite and evaluation of its properties	International journal of innovations in Engineering and Technology	Feb 2016	Vol.3
13.	K.PravinKumar	Oxygen reduction reaction of manganese Oxide/grapheme oxide	Indian journal of chemistry	Feb 2016	Vol.55A

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		nanocomposite			
14.	R.Venkatesh	Synthesis and characterization of SiC- Mg-Gr Nano crystalline reinforced aluminum oxide composite and analysis of its machinability characteristics	International Journal on recent technologies in mechanical and electrical engineering	Feb 2016	Vol.3 Issue 2,10-16
15.	V Seshagiri Rao	Synthesis and characterization of SiC- Mg-Gr Nano crystalline reinforced aluminum oxide composite and analysis of its machinability characteristics	International Journal on recent technologies in mechanical and electrical engineering	Feb 2016	Vol.3 Issue 2,10-16
16.	N.Arunkumar	Synthesis and characterization of SiC- Mg-Gr Nano crystalline reinforced aluminum oxide composite and analysis of its machinability characteristics	International Journal on recent technologies in mechanical and electrical engineering	Feb 2016	Vol.3 Issue 2,10-16
17.	R.Venkatesh	Preparation and investigation of Cu-Co- Al <sub>2</sub> O <sub>3</sub> Nanocrystalline metal matrix Composites	International Journal of innovations in Engineering and Technology	June 2015	Vol.5 Issue3
18.	K.M.B.Karthikeyan	Thermophysical properties of coconut oil based nano fluid	International Journal of applied research	2015	Vol.10 Issue-62
19.	K.M.B.Karthikeyan	Synthesis and study of hybrid nano fluid	International Journal of applied engineering and research	2015	Vol.10 Issue-68
20.	.T.Balasubramanian	Design and analysis of high speed water pump for domestic purpose	International Journal of Applied Engineering Research	2015	Vol. 10 No.2 (2015) pp. 1739-1742
21.	N.E.Arunkumar	Multi-Objective Optimization Of Wire Electrical Discharge Machining Using Principal Component Analysis	International Journal of Applied Engineering Research	2015	10(2):1739-1742
22.	K.M.Kumar	Examination of Microstructure and Mechanical Properties of Austempered Ductile Iron (ADI) As Per Austempering Temperature and Time	Trans Indian Inst Metals	June 2015	S67-71
23.	K.M.Kumar	Experimental Determination of Thrust Force, Torque and Surface Roughness in Machining Austempered Ductile Iron (ADI)	International Journal of Applied Engineering Research	2015	Vol. 10 No.68 (2015)

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24.	K.M.Kumar	Effective fuel consumption by improving cooling water flow rate in IC Engine	Applied Mechanics and Materials	July 2015	Vol..812p age 112-117
25.	K.M.Kumar	Experimental Investigation on Dry Sliding Wear Resisting Capabilities Of Austempered Ductile Iron	International Journal of Applied Engineering Research	--	10 (61), 351-356
26.	N.Arunkumar	Failure mode and analysis of the bonded/bolted joints between a hybrid fibre reinforced polymer and aluminium alloy	Journal of Advanced Materials and Processing	2015	Vol. 3, No.2,
27.	N.Arunkumar	Experimental investigation on Mechanical properties of micro and nano size Al <sub>2</sub> O <sub>3</sub> particle reinforced extruded composite	Rev.Tec.Ing.Univ.Zulia	Dec 2015	Vol.38, No.3
28.	N.Arunkumar	Development of Copper Nano crystalline metal matrix composites	International Journal of Chem Tech Research	2015	Vol.7. No.3 Page1267-1271
29.	N.Arunkumar	Effects of Micro and Nano-size Al <sub>2</sub> O <sub>3</sub> particle reinforcement on Mechanical behavior of extruded Aluminum alloy Matrix composite	Applied Mechanics and Materials	August 2015	Vol. 787,
30.	N.Arunkumar	Optimizing the process flow of the mixer unit (Internal material movement)	International Journal of Applied Engineering Research	August 2015	Vol.10, No.32
31.	N.Arunkumar	Optimization of machining parameters in milling of Titanium alloy with coated inserts using taguchi method'	International Journal of Applied Engineering Research	August 2015	Vol.10, No.32
32.	.M.Arun	Performance evaluation of dry drilling of stainless steel using cryogenic treated drills	International Journal of Applied Engineering Research	2015	Vol.10, Issue:32
33.	N.Arunkumar	Optimization of process parameters in turning of Titanium alloy with coated inserts using response surface methodology	International Journal of Applied Engineering Research	2015	----
34.	N.Arunkumar	A comparative study of Mechanical properties of friction welded Copper to Aluminum interlayer with Macro analysis	International Journal of Applied Engineering Research	August 2015	Vol.9, No.32

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35.	V Seshagiri Rao	Parametric optimization of age hardenable aluminum alloys using TGRA coupled with PCA.	Applied Mechanics and Materials	June 2015	Vol. 813
36.	N.Arunkumar	Distortion control in thin low carbon steel plates using stiffeners and sequential welding	International Journal of Applied Engineering Research	2015	----
37.	N.Arunkumar	A comparative study on low cycle fatigue optimize of nano and micro Al <sub>2</sub> O <sub>3</sub> reinforced AA2014 particulate hybrid composites	Results in Physics	2015	5 273-280
38.	N.Arunkumar	Investigation and improvement in peak failure load of hot staked joints in starter motor armatures using complementing problem solving tools	Journal of Mechanical Science and Technology	2015	1731-1736
39.	V Seshagiri Rao	Tensile Properties Improvement on Friction Stir Welded Age-Hardenable Aluminum Alloys: An Evolutionary Approach using RSM based GA and SA	Rev. Téc. Ing. Univ. Zulia.	June2016	Vol.39-70
40.	N.Arunkumar	Wear and corrosion study of sputtered zirconium thin films on SS316L for wind mill application	International Journal of Engineering Research and Applications	2015	5 51-55
41.	N.Arunkumar	Evolution of robust manufacturing process in machining of DC motor commutator using complementing problem solving tools	Mechanics and Materials, Trans Tech Publications	2015	Vol.766-767
42.	VaddiSeshagiri Rao	Tensile Strength and Hardness Correlations with Microscopy in Friction welded Aluminium to Copper	Journal of The Institution of Engineers (India): Series C(Springer)	JAN2016	Vol.97,1
43.	SathishRengarajan	Tensile Strength and Hardness Correlations with Microscopy in Friction welded Aluminium to Copper	Journal of The Institution of Engineers (India): Series C(Springer)	JAN2016	Vol.97,1
44.	SathishRengarajan	Characteristics of AA7075-T6 and AA6061-T6 friction welded joints	Transactions of the Canadian Society for Mechanical Engineering	2015	Vol.39, Issue 4

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45.	VaddiSeshagiri Rao	Characteristics of AA7075-T6 and AA6061-T6 friction welded joints	Transactions of the Canadian Society for Mechanical Engineering	2015	Vol.39, 4
46.	N.Arunkumar	Developed similarity measure for machine cell formation and exclusion of exceptional elements	International Journal of Applied Engineering Research	2015	10187-10185
47.	N.Arunkumar	Investigation of hot-staking process parameters and evolution of improvement in joint strength	Materials and Manufacturing Processes	2015	155-161
48.	N.Arunkumar	Performance evaluation of dry drilling of stainless steel using cryogenic treated drills	International Journal of Applied Engineering Research	2015	Vol.10 23887-23893
49.	M.Ganesh	Design and analysis of automotive bumper beam using polymer matrix composite	Middle East Journal of Scientific Research, DOI: 10.5829/idosi.mejsr.2016.24.S1.1	2016	Vol.24 415-418
50.	M.Arun	Experimental investigation of dry drilling of austenitic stainless steel	ARPJ Journal of Engineering and Applied Sciences	Jan 2016	Vol.11, Issue.2. Page1232-1238
51.	N.Arunkumar	Experimental investigation of dry drilling of austenitic stainless steel	ARPJ Journal of Engineering and Applied Sciences	Jan 2016	Vol.11, Issue.2. Page1232-1238
52.	M.Arun	Through Pass Rate Improvement in a Assembly Line by BPS Methodology: A Case Study of a Manufacturing Company	International Journal of Manufacturing and Mechanical Engineering	Nov 2015	Page1-14
53.	George Sahaya Nixon	Microstructure Analysis of SG iron by Friction Surfacing	Australian journal of Basic and applied sciences	June 2015	Vol.9 Issue 20 Pp-78-89