



Department of Applied Engineering



VIGNAN'S

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Journal Papers

Sl. No.	Name	Paper Type	Journal Name	DOI	Author Status	Title of Article	Vol. (pp)	Month	Year	ISSN
2018										
1	Palkuru Mahesh, Sirisha, Harish babuB, BhagyaLekshmi, Krishna reddy T. V.	Indexed	International journal for research in applied science and engineering technology		2&3	Application of space- born Remort sensing to Analyze forest Cover in Chittoor (India) Area	6(1)	January	2018	2321-9653
2	Mahesh Palkuru, Sirisha, BhagyaLekshmi, Krishna reddy T. V, Harish babu B.	UGC	International Journal for Science and Advance Research In Technology		2 &4	Socio- Economic Data Acquisition Using Mobile GIS Technology(EPICOLLECT)	4(1)	January	2018	2395-1052
3	BhanuChandar Degala, MonishaPerli and Bhaskara Rao Ijjurouthu	NAAS	International Journal of Agriculture Sciences		2	The effect of soil amendments on physical properties of sandy soils	10(3), 5095-5098	Feb	2018	0975-3710

4	Ankit Kumar, Smita U. Khodke, Gurdeep Lal and Aminul Islam	Scopus	Indian journal of ecology		1&4	Optimization of Machine Parameters for Grading of sapota through Tormmel Screen Grader	45(1)	March	2018	0304-5250
2017										
5	GouravSahu, N. Vinoda, P. Monisha, VikasParadkar and Nirmal Kumar	NAAS	International Journal of Current Microbiology and Applied Sciences		2	Studies on drying of osmotically dehydrated onion slices	6 (9) 129- 141	-	2017	ISSN: 2319-7706
6	Naresh M, B Anitha Reddy, &Dhruvjyothi B	Scopus	International Journal of Mechanical Engineering and Technology (IJMET)		1	Preparation and Performance Analysis of bio fuels on CI Engine	12,447-455	Dec	2017	0976-6340
7	Dr. A. Sirisha& Harish Babu	NAAS	International Journal of Current Microbiology and Applied Sciences	10.20546/ijcma s.2017.602.049	2	Case Study on Performance Evaluation of Drip Irrigation Systems in Selected Villages of Guntur District, Andhra Pradesh, India	6(2), 437- 445	-	2017	
8	Dr. A. Sirisha&Aminu l Islam	UGC	International Journal of Research in Management and Social Science		1	Simulation of Runoff from Small Agricultural Watershed using Physically Based Model	5	-	2017	2322-0899
9	Dr. A. Sirisha	Indexed	Machine Learning Research	10.11648/j.ml.r. 20170201.12	1	An Overview of Big Data Applications in Water Resources Engineering	2	-	2017	-
10	Dr. A. Sirisha	Indexed	International Journal of Engineering and	NA	1	Development of Smart Automated Irrigation System	8(1), 54-59	-	2017	2229- 600X

			Management Sciences								
11	Dr. A. Sirisha	Indexed	Journal of Water Resource & Pollution Studies	NA	1	Comparative Evaluation of ANNs and Hargreaves Method to Model ET _o	2	-	2017	-	
12	Dr. A. Sirisha	Indexed	American Journal of Scientific Research and Essays	NA	1	Time Series Analysis: A Hydrological Prospective	1(1):0031-0040	-	2017	-	
13	Dr. A. Sirisha	Indexed	American Journal of Biotechnology and Bioscience	NA	2	Development of Rainfall Runoff Modeling in Matlab Environment	1(3), 1-8	-	2017	-	
14	Bachina Harish Babu	Scopus	IJMET, IAEME Publication	IJMET_08_08_145	5	Optimized Water Pumping System Using Arduino for Home Automation	8	Aug	2017	9766359	
15	Bachina Harish Babu	Scopus	IJMET, IAEME Publication	IJMET_08_08_143	3	Robot Arm Control Using Image Processing and Matlab for Simple Writing by Human Gestures	8	Aug	2017	0976-6359	
16	Dr. Vidhu KP	Scopus	CIRP Journal of Manufacturing Science and Technology	10.1016/j.cirpj.2016.12.001	3	Assignment of Weightage to Machining Characteristics to Improve Overall Performance of Machining Using GTMA and Utility Concept	18	Jan	2017	17555817	
17	Dr. Vidhu KP	Indexed	International Journal of Engineering & Scientific Research	http://www.ijmra.us/	2	Outsourcing Partner Selection for Aircraft Servicing Maintenance Repair & Overhaul using Multiple Criteria Decision Making Model - ELECTRE-III	5	July	2017	23476532	
18	R. Ravindra Raju	NAAS	The Andhra Agriculture Journal	21.07.2017	1	Energy Usage and Benefit -Cost Analysis of Cotton Production In Guntur Region Of Andhra Pradesh	Accepted	July	2017	0003-2956	

19	R. Ravindra Raju	NAAS	The Andhra Agriculture Journal	21.07.2017	1	A Comparative Study on Semi-Mechanized and Traditional Practices of Paddy Farming With Benefit-Cost Analysis	Accepted	July	2017	0003-2956
20	Dr. Vidhu KP	Indexed	International Journal of Research in Engineering and Applied Sciences	http://euroasiapub.org/journals.php	3	Aircraft Servicing, Maintenance, Repair & Overhaul the Changed Scenarios through Outsourcing	7	May	2017	23496525
21	Dr. A. Sirisha	Scopus	International Journal of Sustainable Built Environment	10.1016/j.ijsbe.2017.05.002	2	Enhancing Nitrogen Removal Efficiency of Domestic Wastewater through Increased Total Efficiency in Sewage Treatment (ITEST) Pilot Plant in Cold Climatic Regions of Baltic Sea	6(2). 351-358	Dec	2017	22126090
22	Dr. A. Sirisha	Scopus	ISH Journal of Hydraulic Engineering	10.1080/09715010.2017.1327825	1	Generalized Wavelet-Neural Networks for Evapotranspiration Modeling in India	-	May	2017	9715010
23	Dr. A. Sirisha	Elsevier	Information Processing in Agriculture	NA	1	Temperature Based Generalized Wavelet-Neural Network Models to Estimate Evapotranspiration in India	In Press	Oct	2017	2214-3173
24	Bachina Harish Babu	Scopus	International Journal of Mechanical Engineering and Technology (IJMET)	IJMET_08_09_039	4	An Experimental Approach of Environmental Management Plan for Designing Asbestos Cement Pipes- A Model Study	8	Sept	2017	0976-6359
25	Aminul Islam & Dr. A. Sirisha	S/UP	Indian Journal of Ecology	NA	3	Effect of High Pressure Processing and Thermal Treatments on Physical, Chemical and Microbiological Characteristics of Silver Pomfret (Pampus Argenteus) Fillets	44(3), 618-627	Sept	2017	0304-5250

26	Aminul Islam	S/UP	Indian Journal of Ecology	NA	1	Evaluation of Saturated Hydraulic Conductivity Methods for Different Land Uses	44(3), 456-466	Sept	2017	0304-5250
2016										
27	G. Kusuma	NAAS	Ecology, Environment and Conservation	NA	1	Effect of Puddling on Surface Levels of The Conventionally Puddled Wet Rice Fields	22(4), 2081-2086	-	2016	0971-765X
28	G. Kusuma	Scopus	Indian Journal of Ecology	NA	1	Quantification of Water Loss Due to Unleveled Surface of Conventionally Puddled Wet Rice Fields	43(1), 65-69	-	2016	3045250
29	Dr. Vidhu KP	Indexed	International Journal of Mechanical Engineering and Technology	http://www.iaeme.com/ijmet/issues.asp?JType=IJMET&VType=7&IType=4	3	Mechanical Properties of Friction Stir Welding Joints of Similar & Disimilar Aluminium Alloys Aa6061 & 6082	7	Aug	2016	9766340
30	Dr. Vidhu KP	Scopus	Agricultural Engineering International: CIGR Journal		3	Physiological and Perceptual Responses in the Sherpa Method of Carrying Loads: Role of Hip Belt and Shoulder Strap Supports	18	Dec	2016	16821130
31	Ravindra Raj & Dr. Vidhu KP	Indexed	VFSTR Journal of STEM		2	Numerical and Simulation Analysis of Composite Friction Materials Using Single Plate Clutch Pad in Agricultural Tractors	2	Dec	2016	24552062
32	Dr. A. Sirisha	Scopus	Indian Journal of Ecology	NA	2	Development of Process Technology for Making Tomato Powder and Its Quality Evaluation	43	Dec	2016	3045250

33	Dr. A. Sirisha	Indexed	African Journal of Agricultural Research	10.5897/AJAR 2015.10648	3	A Mathematical Model for the Selection of an Economical Pipe Size in Pressurized Irrigation System	11	Feb	2016	1991-637X
34	Dr. A. Sirisha	NAAS	Journal of Applied and Natural Science	NA	1	Estimation of Crop Evapotranspiration Using NDVI Vegetation Index	8	Feb	2016	9749411
35	Dr. A. Sirisha	Indexed	American Journal of Agricultural Research	NA	1	Traditional to Smart Irrigation Methods in India: Review	1	Feb	2016	2475-2002
36	Raj Kumar Kuppili	Indexed	International Journal of Scientific & Engineering Research	-	1	Design and Analysis of High Pressure Die Casting Die for Gear Box Cover	7(7), 86-89	July	2016	2229-5518
37	Sushant S. Bobade	SCI	Agricultural Engineering International: CIGR Journal	-	1	Assessment of Mass Exchange During Osmotic Dehydration of Dragon Fruit	18(2), 286-296	June	2016	-
38	Dr. Vidhu KP	Indexed	International Journal of Research in Social Sciences	http://www.indianjournals.com/ijor.aspx?target=ijor:ijrss&volume=6&issue=2&article=032	2	Technology Application and Growth Strategies for Sustainable Supply Chain Contemplation through Strategic Outsourcing in Indian Aircraft Industry	6	March	2016	2249-2496
39	Dr. Vidhu KP	Scopus	Indian Journal of Science and Technology	10.17485/ijst/2016/v9i41/100936	3	Analysis of Wear Behaviour of the Friction Stir Welded Joints with Varying Track Diameters for Non-Welded and Welded Samples	9	Nov	2016	9746846

40	Bachina Harish Babu, Vidhu KP, Sirisha A	Indexed	VFSTR Journal of STEM	NA	1	Design and Analysis of Chassis in Electric Commuter Vehicle	2(2), 2455-2062	Nov	2016	2455-2062
41	Dr. A. Sirisha	Indexed	VFSTR Journal of STEM	NA	1	Estimation of Maithon Reservoir Storage Curve Using Remote Sensing and GIS Techniques	2(2), 2455-2062	Nov	2016	2455-2062
42	Sushant S. Bobade	NAAS	Environment & Ecology	-	4	Osmo-Vacuum Dehydration of Minimally Processed Plums	34(4D), 2602-2606	Oct	2016	0970-0420
43	Sushant S. Bobade	NAAS	Environment & Ecology	-	4	Storage Quality of Vacuum Dried Plum Slices	34(4D), 2607-2610	Oct	2016	0970-0420
44	Dr. Vidhu KP	Indexed	Industrial Engineering Journal		3	Pioneering Into Manufacturing Automation Utilizing Outsourcing Modalities In Aircraft Industries - A Comprehensive Study	9	Oct	2016	0970-2555
45	Sushant S. Bobade	NAAS	Environment & Ecology	-	4	Effect of Pre-Treatment by Onion Extract on Quality of Dried Oyster Mushroom (Pleurotussajor-caju)	34(4D), 2591-2595	Oct	2016	0970-0420
46	Dr. Vidhu KP	Indexed	Procedia Technology (Elsevier)	10.1016/j.protcy.2016.08.213	3	Heuristic Search Algorithm for the Single-Row Machine Layout in an Automated Manufacturing System	25	Sep	2016	22120173
2015										
47	Kusuma G	S/UP	Indian Journal of Ecology		1	Variation in Surface and Hardpan Levels of Wet Rice Fields	43, 132-135	-	2015	

48	Kusuma G	S/UP	International Journal of Tropical Agriculture		1	Comparative Evaluation of Low and High Pressure Biomass Briquettes	33(4), 3687-3690	-	2015	
49	Kusuma G	S/UP	Indian Journal of Science and Technology		1	Design and Fabrication of Raising Platform For harvesting oil palm Fresh Fruit Bunches	8(17), 713-750	-	2015	0974-6846
50	Kusuma G	S/UP	International Journal of Tropical Agriculture		1	Comparative Evaluation of percolation rates in conventionally puddle wet rice fields of Sangareddy, Telangana State	33(4), 3683-3686	-	2015	
51	Ravindra Raju & Vidhu K P	Indexed	Int. J. Of Business Quantitative Economics and Applied Management Research	-	1,2	Buying Perceptions of Farmers in Agricultural Tractors: A Case Study in District of Kurnool, AP, India	Special Issue	-	2015	-
52	Bachina Harish Babu	S/P	International Journal of Applied Engineering Research		3	Low Cost Design Approach of Electro Pneumatic Punching Machine	10(84), 351	Dec	2015	0973-4562
53	Dr. Vidhu KP	ASCE	International Journal of Adv Manufacturing Technology	10.1007/s00170-015-7621-1, 2015	2	An Artificial Neural Network Approach to Investigate Surface Roughness and Vibration of Work piece in Boring of AISI1040 Steels		July	2015	0268-3768

54	Dr. Vidhu KP	UP	International Journal of Engineering & Scientific Research		2	Advances in Ergonomic Aircraft Design With Special Reference to Indian Aircraft Industries	3(7)	July	2015	2347-6532
55	Dr. Vidhu KP	UP	International Journal of Marketing & Technology		2	Inventory Management Best Practices for Aircraft Servicing Industry in India	5(7)	July	2015	2249-1058
56	Dr. A. Sirisha	S/P	African Journal of Agricultural Research	10.5897/AJAR 2015.9896	1	Study of Ergonomical Characteristics of Farm Workers	10(28), 2668-2679	July	2015	
57	Dr. Vidhu KP	UP			2	Innovative Industrial and Workplace Ergonomics in Modern Organizations	4(3)	June	2015	2278-0181
58	Dr. A. Sirisha	S/P	African Journal of Agricultural Research	10.5897/AJAR 2015.10048	2	Performance Evaluation of Tractor Mounted Pneumatic Planter for Sorghum in Dryland	10(39), 3767-3772	Sept	2015	
2014										
59	Dr. Vidhu KP	Unpaid	Agricultural Engineering Today		3	Performance Evaluation and Scope of Adoption of Rotary Power Weeder in Vegetable Crops	38(3), 10-14	Dec	2014	
60	Dr. Vidhu KP	S/UP	African Journal of Agricultural Research	10.5897/AJAR 2013.8004	3	Engineering Innovation in Developing Rural Load Carrier Operated Jute Seed Drill for Farm Workers	9(8), 797-805	Feb	2014	1991-637X
61	Bachina Harish Babu	Paid	International Journal of Recent Technology and Engineering (IJRTE)		2	Nanocomposites in Food Packaging	2(6)	Jan	2014	2277-3878
62	Bachina Harish Babu	Paid	International Journal of Engineering Research & Technology		2	Effect of Using Transesterfied Vegetable Oil as Fuel on Performance and Emission in CI Engine	3(3)	March	2014	2278-0181

63	Bachina Harish Babu	Paid	International Journal of Engineering Research & Technology	IJERTV3IS030759	2	Design Optimisation of Counter Weight of Front End Loader through Dynamic Mass Balancing	3(3), 929-931	March	2014	2278-0181
64	S. Krishna Chaitanya	SCI	Smart Structures and Systems	10.12989/sss.2014.14.4.541	1	Design and Investigation of a Shape Memory Alloy Actuated Gripper	14(4), 541-558	Oct	2014	1738-1584
2013										
65	Dr. Vidhu KP	S/UP	AgricEngInt: CIGR Journal	-	2	Reduction of Hand Transmitted and Whole Body Vibrations Experienced By Tractor Operators by Using Piezo Crystal Material	15(2), 209-220	July	2013	1682-1130
66	Dr. Vidhu KP	S/UP	International Agricultural Engineering Journal	-	3	Performance Modeling of a Groundnut Stripper Using Response Surface Methodology	22(1), 39-48	Nov	2013	0858-2114
67	Dr. Vinay Kumar	S/UP	Procedia Engineering	-	1	Prediction Of Performance And Emissions Of A Biodiesel Fueled Lanthanum Zirconate Coated Direct Injection Diesel Engine		Feb	2013	-
68	Dr. Vinay Kumar	S/UP	Ambient Energy, Taylor And Francis		1	Effect Of Methanol Gasoline Blended Fuels On The Performance And Emissions Of Si Engine	-	Jan	2013	-
69	Dr. Vinay Kumar	S/UP	International Journal Of Ambient Energy		1	The Effect Of Ignition Timing And Methanol Gasoline Blends On The Performance And Emissions Of The Spark Ignition System	-	March	2013	-
70	Dr. A. Sirisha	S/UP	Journal Of Hydrologic Engineering	-	1	Evapotranspiration Modeling Using Second-Order Neural Networks	-	Oct	2013	-

2012										
71	Dr. Vinay Kumar	S/UP	Energy And Power	-	1	Application Of Thermal Barrier Coatings In Diesel Engines: A Review	-	July	2012	-
72	Dr. Vinay Kumar	S/UP	Science And Technology	-	1	Lean Combustion Technology For Internal Combustion Engines: A Review	-	Nov	2012	-