

## Paper Publication (journal and Conferences) and Book Chapter

Academic Year: 2015-16

(July 2015-June 2016)

S.No	Faculty Name / Authors	Title of Paper	Conference/Journal name (with issue, volume, page )	National/ International	Date of Publication
1	Pawan K.S. Nain	Two-step statistical optimization for cold active $\beta$ -glucosidase production from <i>Pseudomonas lutea</i> BG8 and its application for improving saccharification of paddy.	Biotechnology and applied biochemistry. Vol.63(5). PP.659-668.	SCI/SCOPUS Journal.	Sep 2015
2	B.P. Agrawal	Challenges in Application of Pulse Current Gas Metal Arc Welding Process for Preparation of Weld Joint with Superior Quality.	International Journal of Engineering Research & Technology. Vol.5(01).	Referred Journal	Jan 2016
3	Sudipto Sarkar	Vortex Control by a Vertical Splitter Plate Placed Upstream of a Square Cylinder in non-Newtonian Flow	Journal of Aeronautical and Automotive Engineering. Vol.3(2). PP.43-48.	Referred Journal	Apr 2016

4	Kunar Sambhav	Pneumatically Designed Circuit to Cover Metro Platform Gap	International journal of Scientific Development and Research	Referred journal	Apr 2016
5	Tamilchelvan.P	Parametric Studies on Explosive Cladded Titanium-Stainless Steel Composite.	Journal of Manufacturing Engineering. Vol.10(3). PP.161-165.	Referred Journal	Sep 2015
6	P.Suresh	Influence of Process Parameters on Machining Al-Sic-Gr-Hybrid Composites.	Journal of Material Science and Mechanical Engineering.	Referred Journal.	April 2016
7	Sweet Chandan	Review Paper on Rail Track Flaw Detection Using MATLAB	International Journal for Technological Research in Engineering. Vol.3(8).	Referred Journal.	April 2016
8	J.Ronald Asser	Experimental Investigation on Thermal Conductivity Analysis of Bahunia Racemosa/Glass Fiber Reinforced Polymer Composites	Journal of Basic and Applied Engineering Research (JBAER), Vol.2(21).1858-1861	SCI/SCOPUS Journal	Dec 2015

## Paper Publication (journal and Conferences) and Book Chapter

Academic Year: 2016-2017

(July 2016—June 2017)

S.No	Faculty Name / Authors	Title of Paper	Conference/Journal name (with issue, volume, page )	National/ International	Date of Publication
1	Pawan K.S. Nain	<a href="#">Glycoside hydrolase production by <i>Aspergillus terreus</i> CM20 using mixture design approach for enhanced enzymatic saccharification of alkali pretreated paddy straw.</a>	Indian Journal of Experimental Biology. Vol.54(08). PP.518-524.	SCI/SCOPUS Journal.	Aug 2016
2	Pawan K.S. Nain	<a href="#">Bioprospecting of novel thermostable <math>\beta</math>-glucosidase from <i>Bacillus subtilis</i> RA10 and its application in biomass hydrolysis.</a>	Biotechnology for biofuels. Vol.10(1). PP.246	SCI/SCOPUS Journal.	Oct 2016

3	Pawan K.S. Nain	<a href="#"><u>Simultaneous saccharification and fermentation of alkali-pretreated corncob under optimized conditions using cold-tolerant indigenous holocellulase</u></a>	Korean Journal of Chemical Engineering. Vol.34(3). PP.773-780.	SCI/SCOPUS Journal.	Nov 2016
4	B.P. Agrawal	Influence of PC-GTAW Parameters on the Microstructural and Mechanical Properties of Thin AISI 1008 Sttel Joints	Journal of Materials Engineering and Performance Vol.25(9)	SCI/SCOPUS Journal.	June 2016
5	B.P. Agrawal	Comparative study of Ventilated Disc Brake with Different Profiles for Heat Dissipation	International journal of Trend in Research and Development. Vol.3(5).	Referred Journal	Sep 2016
6	B.P. Agrawal	<a href="#"><u>Effects of Cutting Parameters on Quality of Surface Produced by Machining of Titanium Alloy and Their Optimization</u></a>	Archive of Mechanical Engineering. Vol.63 (4): PP.531-548.	SCI/SCOPUS Journal.	Dec 2016
7	B.P. Agrawal	<a href="#"><u>Characteristics of Extra Narrow Gap Weld of HSLA Steel Welded by Single-Seam per Layer Pulse Current GMA Weld Deposition</u></a>	Journal of Materials Engineering and Performance. Vol.26(3). PP.1365-1381.	SCI/SCOPUS Journal.	Feb 2017

8	B.P. Agrawal	Postural Analysis of Air Filling Operators Working At Petrol Filling Stations	Industrial Engineering Journal. Vol.X(5).	Referred Journal.	May 2017
9	B.P. Agrawal	GTA pulsed current welding of thin sheets of SS304 producing superior quality of joint at high welding speed	Journal of the Brazilian Society of Mechanical Sciences and Engineering. Vol.39(11). PP.4667-4675.	SCI/SCOPUS Journal.	May 2017
10	P.K.Chaudhary	Parameter Design for Optimum Percentage Yield For Bio-Diesel From Cotton Seed Using DOE(Taguchi Technique)	International Research Journal of Engineering and Technology. Vol.04(04).	Referred Journal	Apr 2017
11	P.K. Chaudhary	Experimental Investigation of Performance and Emission Characteristics of Palm Oil	International Research Journal of Engineering and Technology. Vol.04(04).	Referred Journal.	Apr 2017
12	Sudipto Sarkar	Pseudoplastic Fluid Flow around a Square Cylinder with a Downstream Splitter Plate	Journal of Basic and Applied Engineering Research. Vol.3(11). PP.1004-1009.	Referred Journal	Sep 2016
13	Sudipto Sarkar	Drag Reduction of a Circular Cylinder by an Upstream Splitter Plate	Journal of Material Science and Mechanical Engineering. Vol.3(6).	Referred journal	Sep 2016

			PP.378-383.		
14	Mathiyalagan.P	Inventory Optimization: A Meta Heuristics Approach	International Journal of Advanced Research Methodology in Engineering &Technology.  Vol.1(1).	Referred journal	Dec 2016
15	P.Suresh	Forward and Inverse Kinematic Analysis of Robotic Manipulators	International Research Journal of Engineering and Technology	Referred Journal	Feb 2017
16	P.Suresh	Multi-Objective Optimization of Performance Characteristics in Machining of Al/SiC/GR Hybrid Composites using Grey Relational Analysis	International Journal of Exploring Emerging Trends in Engineering. Vol.03(04). PP.291-297.	Referred Journal.	Aug 2016
17	S Kennedy	<a href="#">Microstructure and mechanical properties of <math>\gamma</math>-TiAl consolidated by spark plasma sintering</a>	Journal of Integrated Ferroelectrics Vol.185(1). PP11-15.	SCI/SCOPUS Journal.	Apr 2017

18	S.Chandan	Sensor Based Color Identification Robot For Type Casting	International Journal of Engineering Research and Technology.	Referred Journal	2016
19	Dheeraj Tripathi	Chemical Modification of Palm oil for Low Temperature Application and its study on Tribological Properties.	Journal of Advanced Engineering Research. Vol.4(2). PP.109-113.	Referred Journal	2017
20	K.S.Srikanth	<a href="#">Temperature dependent dynamic hysteresis scaling of ferroelectric hysteresis parameters of [(1-x)Ba<sub>0.9</sub>Ca<sub>0.1</sub>TiO<sub>3</sub>-x(BaSn<sub>0.2</sub>Ti<sub>0.8</sub>O<sub>3</sub>)] ceramics</a>	Ferroelectrics Letters Section. Vol.44.(4-6). PP.101-112.	SCI/SCOPUS Journal	2017
21	K.S.Srikanth	<a href="#">Enhanced electrocaloric effect in glass-added 0.94 Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>-0.06 BaTiO<sub>3</sub> ceramics</a>	Journal of the Australian Ceramic Society. Vol.53(2). PP.523-529.	SCI/SCOPUS Journal	Apr 2017
22	K.S.Srikanth	<a href="#">Enhanced pyroelectric figure of merits of porous BaSn<sub>0.05</sub>Ti<sub>0.95</sub>O<sub>3</sub> ceramics</a>	Journal of the European Ceramic Society. Vol.37(13). PP.3943-3950.	SCI/SCOPUS Journal.	May 2017.
23	K.S.Srikanth	<a href="#">Engineered microstructure for tailoring the pyroelectric performance of Ba<sub>0.85</sub>Sr<sub>0.15</sub>Zr<sub>0.1</sub>Ti<sub>0.9</sub></a>	Applied Physics Letters. Vol.110(23)	SCI/SCOPUS Journal	2017

		<a href="#"><u>O<sub>3</sub>ceramics by 3BaO-3TiO<sub>2</sub>-B<sub>2</sub>O<sub>3</sub> glass addition</u></a>			
24	K.S.Srikanth	<a href="#"><u>Effect of sintering parameters on the dynamic hysteresis scaling behavior of Ba<sub>0.85</sub>Sr<sub>0.15</sub>Zr<sub>0.1</sub>Ti<sub>0.9</sub>O<sub>3</sub>ceramics</u></a>	Integrated Ferroelectrics. Vol.176(1). PP.95-108.	SCI/SCOPUS Journal.	Dec 2016.



**Paper Publication (journal and Conferences) and Book Chapter**

**Academic Year: 2017-18**

**(July 2017 –June 2018)**

<b>S.No</b>	<b>Faculty Name / Authors</b>	<b>Title of Paper</b>	<b>Conference/Journal name (with issue, volume, page )</b>	<b>National/ International</b>	<b>Date of Publication</b>
1	B.P. Agrawal	<a href="#"><u>Assembling of thick-section HSLA steel with one seam per layer multi-pass PC-GMA welding producing superior quality</u></a>	Journal of the Brazilian Society of Mechanical Sciences and Engineering. Vol.39(12). PP.5205-5218.	SCI/SCOPUS Journal.	Sep 2017
2	B.P. Agrawal	Study of Effects of Cutting Parameters on Cutting Forces Generated during Turning of Titanium Alloy and their Optimization	International Journal of Emerging Technologies in Engineering Research. Vol.6(3).	Referred Journal.	Mar 2018
3	B.P. Agrawal	<a href="#"><u>An Investigation on Cladding of Stainless Steel on Mild Steel using Pulse Current GMAW</u></a>	International Journal of Engineering Trends and Applications. Vol.5(2).	SCI/SCOPUS Journal.	Apr 2018

4	B.P. Agrawal	<a href="#">Critical aspects of pulse current GMA welding of stainless steel influencing metallurgical characteristics</a>	International Journal of Microstructure and Materials Properties. Vol.12 (5-6). PP.363-390.	SCI/SCOPUS Journal.	June 2017
5	P.Mathiyalagan	Supplier Selection: Key Literature Review	International Journal of Engineering Technology Science and Research. Vol.5(1)	SCI/SCOPUS Journal.	Jan 2018
6	P. Suresh	Evaluation of surface roughness during turning of Al-SiC and Al-SiC-Gr composites	<a href="#">Multidiscipline Modeling in Materials and Structures.</a> Vol.14(5). PP.874-890,	SCI/SCOPUS Journal.	April 2018
7	Ashok K.Dewangan	Experimental Study of Nucleate Pool Boiling of R-134a and R410a	Journal of Heat Transfer Engineering. Vol.0(0). PP.1-10.	SCI/SCOPUS Journal.	April 2018
8	K.S.Srikanth	<a href="#">Pyroelectric performance of porous Ba<sub>0.85</sub>Sr<sub>0.15</sub>TiO<sub>3</sub> ceramics</a>	International Journal of Applied Ceramic Technology. Vol.15(1). PP.140-147.	SCI/SCOPUS Journal.	July] 2017.
9	K.S.Srikanth	<a href="#">Microstructural and photocatalytic performance of BaCexTi1-xO3 ceramics</a>	Materials Science in Semiconductor Processing. Vol.73. PP.51-57.	SCI/SCOPUS Journal.	Aug 2017.

10	K.S.Srikanth	<a href="#">Pyroelectric signals in (Ba,Ca)TiO<sub>3</sub>-xBa(Sn,Ti)O<sub>3</sub> ceramics: A viable alternative for lead-based ceramics</a>	Scripta Materialia. vol.146. PP146-149.	SCI/SCOPUS Journal	Sep 2017
11	K.S.Srikanth	<a href="#">A study on SBN-POP composites for pyroelectric sensing applications</a>	Journal of the Australian Ceramic Society. Vol.54(3). PP.389-394.	SCI/SCOPUS Journal.	Nov 2017
12	K.S.Srikanth	<a href="#">Enhanced electrocaloric, pyroelectric and energy storage performance of BaCexTi1-xO3 ceramics</a>	Journal of the European Ceramic Society. Vol.37(13). PP.3927-3933.	SCI/SCOPUS Journal	Dec 2017
13	K.S.Srikanth	<a href="#">Electrocaloric behavior and temperature dependent scaling of dynamic hysteresis of Ba<sub>x</sub>Sr<sub>1-x</sub>TiO<sub>3</sub> (x = 0.7, 0.8 and 0.9) bulk ceramics</a>	Journal of the Australian Ceramic Society. Vol.54(3). PP.439-450.	SCI/SCOPUS Journal.	Dec 2017.
14	K.S.Srikanth	<a href="#">Functional Cementitious Composites for Pyroelectric Applications</a>	Journal of Electronic Materials. PP.1-8.	SCI/SCOPUS Journal.	Jan 2018.

15	K.S.Srikanth	<a href="#">Lead-Free Pyroelectric Materials for Thermal Energy Harvesting: A Comparative Study</a>	Journal of Energy Technology. Vol.6(5). PP.943-949.	SCI/SCOPUS Journal.	Feb 2018.
16	Ankur Sinha	Double Layer Microwave Absorber Based on Cu Dispersed SiC Composites	Journal of Advanced Power Technology	SCI/SCOPUS Journal.	May 2018
17	K.S.Srikanth	<a href="#">Structural and photocatalytic performance of (Ba,Ca)TiO<sub>3</sub>-Ba(Sn,Ti)O<sub>3</sub> ferroelectric ceramics</a>	Materials Science in Semiconductor Processing. Vol.79. PP.153-160.	SCI/SCOPUS Journal.	June 2018.
18	K.S.Srikanth	<a href="#">Pyroelectric performance of [(1-x)Ba<sub>0.9</sub>Ca<sub>0.1</sub>TiO<sub>3</sub>-x(BaSn<sub>0.2</sub>Ti<sub>0.8</sub>O<sub>3</sub>)] lead free ceramics</a>	Journal of Ferroelectrics. Vol.526.(1). PP.68-75.	SCI/SCOPUS Journal.	Jan 2018.
19	Amkit Dixit	Experimental Analysis of A Solar parabolic Trough Collector	International Journal of Mechanical Engineering and Technology	Referred Journal.	June 2018.
20	J.Ronal Asser	<a href="#">Thermal and dielectric properties of chemically modified municipal solid waste and banana fiber reinforced polymer composites</a>	Environmental Progress & Sustainable Energy. Vol.36(2). PP.468-475	SCI/SCOPUS Journal	March 2017

21	J.Ronal Asser	<a href="#">Taguchi Based Analysis on Hole Diameter Error of Drilled Glass/Bahunia Racemosa Fiber Polymer Composites</a>	SAE Technical Paper	SCI/SCOPUS Journal	May 2017
22	J.Ronald Aseer	Effect of fiber content on tensile retention properties of Cellulose Microfiber Reinforced Polymer Composites for Automobile Application	Materials Science and Engineering. .Vol.272(1)	SCI/SCOPUS Journal.	Dec 2017
23	J.Ronald Aseer	<a href="#">Characterization of microfiber isolated from Hibiscus sabdariffa var. altissima fiber by steam explosion</a>	Journal of Natural Fibers.PP.1-10.	SCI/SCOPUS Journal	May 2018
24	J.Ronal Aseer	Multi-objective optimization of end milling process parameter for stir casted alumina reinforced aluminium metal matrix composite using RSM	Materials Science and Engineering. Vol.402(1).	SCI/SCOPUS Journal	Aug 2018

S.No	Name of Faculty	Title of the Book / Book Chapter	Book / Book Chapter	Book Publication Details	Date of Publication
1	J. Ronald Aseer, K. Sankaranarayasamy, P. Jeyabalan,	A Review of the Human Resource	In special issue on Biopolymers and	Hard ISBN: 9781 771886154	2017

	Priya K. Dasan	Management Practices to Reduce Employee Turnover in Different Countries and Job Sectors	Biomaterials, Apple academic press.	E-Book ISBN: 9781315161983	
2	Dr.Swet Chandan	Matlab and Simulink For Mechanical Engineers	Research India Publication, New Delhi	ISBN 978-93-84443-94-8	2017
3	Rewa Smriti, Kumar Sambhav, Bhuvaneshwari S	Innovation, Technology and Development: A Road Map for Achieving Global Competitiveness	Bharti Publications; 1st, New edition.	ISBN-10: 8193317289, ISBN-13: 978-8193317280	2016