

**Dr.Mahalingam College of Engineering & Technology, Pollachi 642 003**  
(An Autonomous Institution)

Details of faculty publications by Department of Science and Humanities

**Papers Published in Journals:**

**Academic Year (2016-2017)**

<b>1</b>	KK Purushothaman, <b>B Saravanakumar,</b> G Muralidharan,	Design of additive free 3D floral shaped V2O5@ Ni foam for high performance supercapacitors	Materials Technology	2017,1-7.	01/04/2017
<b>2</b>	<b>K.Kanak Sindhu,</b> M.Murugesan, P.Namasivayam	Semi derivations on Semiprime semirings	International Journal of Science and Engineering Invention	Vol: 2, Issue: 2A 1-5(2016)	2016
<b>3</b>	<b>K.Kanak Sindhu,</b> M.Murugesan, P.Namasivayam	Free Actions of Semiderivations on Semiprime semirings	International Journal of Mathematics and its Applications	Vol:4,Issue:4 89-93(2016)	01/04/2016
<b>4</b>	<b>K.Kanak Sindhu,</b> M.Murugesan, P.Namasivayam	Orthogonal Generalized Reverse Semiderivations of Semiprime Semirings	Asian Journal of Research in Social Sciences and Humanities	Vol:6(9) 1888-1901(2016)	Aug. 2015
<b>5</b>	S.Vadivel Velu, Maruthamani D. , Bappi Paul, Siddhartha Sankar Dhar, Aziz Habibi- Yangjeh,Balachandran Subramanian, <b>B. Saravanakumar,</b> A. Selvakumar and K Selvam	Biomolecule-assisted solvothermal synthesis of Cu <sub>2</sub> SnS <sub>3</sub> flowers/RGO nanocomposites and their visible-light-driven photocatalytic activities	Royal Society of Chemistry & RSC Advances.	<b>6,</b> 74177-74185	08/01/2016
<b>6</b>	S.Vadivel Velu, Maruthamani D. K.Kumaravel, <b>B. Saravanakumar,,</b>	Supercapacitors studies on BiPO <sub>4</sub> nanoparticles synthesized via a	Elsevier & Journal of Taibah	-	26/09/2016 6

	Bappi Paul, Siddhartha Sankar Dhar, K. Saravanakumar , V. Muthuraj	simple microwave approach	University for Science		
7	<b>B Saravanakumar</b> , S Maruthamuthu, V Umadevi, V Saravanan,	CTAB-Aided Synthesis of Stacked V2O5 Nanosheets: Morphology, Electrochemical Features and Asymmetric Device Performance.	<b>International Journal of Nanoscience</b>	16(3), 1760009-1760019	25/04/2017
8	MH S. Vadivel, D. Maruthamani, M. Kumaravel, R. Selvarajan, <b>B. Saravanakumar</b>	Facile Synthesis of CuBi2O4 Microspheres for Catalytic Oxidation of Alcohols Photocatalyst and Supercapacitor Applications	Energy Environ. Focus	5, 274–286	2016/12
9	<b>S. Renukadevi</b>	Portrayal of Women as Compromisers in the Selected Novels of Anita Desai: Bye, Bye, Blackbird and Where Shall We Go This Summer	The Criterion: An International Journal In English	4,7(2016)	2016
10	<b>Devi Prasad P S</b> and B. K. Sarkar	Ab Initio Study of Electronic, Structural, Thermal and Mechanical Characterization of Cadmium Chalcogenides <sup>65</sup>	Mechanics, Materials Science & Engineering,	ISSN 2412-5954	April 2017
11	<b>Devi Prasad P S</b> and B. K. Sarkar	Large Magnetocaloric Effect with a Wide Working Temperature Span in the Intermetallic Compound Nd <sub>4</sub> PtMg	IOSR Journal of Applied Physics (IOSR-JAP) e-ISSN:	2278-4861, PP 15-18	2017/2
12	<b>Devi Prasad PS</b> , BK Sarkar Madhuri W, AS Verma	Photo-acoustic spectroscopic study of optical properties of Cu <sub>2</sub> GeTe <sub>3</sub> in	International Journal of Thermophysics	37, 5, 1-8	Jan, 2016

		temperature range from 80 to 300 K			
13	<b>P.S. Devi Prasadh</b> P. Karthika, R. Karthigai Selvi	Structural and Complex Formation of PVC – LiNO <sub>3</sub> – CdO	Mechanics, Materials Science & Engineering	9, 2, 108	Apr, 2017
14	<b>S Maruthamuthu,</b> J Chandrasekaran, D Manoharan, R Magesh	Conductivity and dielectric analysis of nanocolloidal polypyrrole particles functionalized with higher weight percentage of poly (styrene sulfonate) using the dispersio...	Journal of Polymer Engineering	37, 5, 481-492	2017/5/24
15	<b>S Maruthamuthu,</b> J Chandrasekaran, D Manoharan, SN Karthick, Hee-Je Kim	Effect of CuBr <sub>2</sub> salt treatment on the performance of nanocolloidal PPy: PSS multilayer thin film counter electrodes of dye-sensitized solar cells	Journal of Applied Polymer Science	133, 32	2016/8/20
16	<b>S Maruthamuthu,</b> J Chandrasekaran, D Manoharan, SN Karthick, Hee-Je Kim	Multilayer photoactive nanocolloidal PPy: PSS as a novel substitute for Pt free counter electrode in DSSC	Journal of Applied Polymer Science	133, 10	2016/3/10