

**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 (2014-2015)**

<b>1</b>	K.Kanak Sindhu, M.Murugesan, P.Namasivayam	Orthogonal Semiderivations on Semiprime Semirings	IOSR Journal of Mathematics	Vol:11, Issue:4, 18-24 (2015)	<b>2015</b>
<b>2</b>	A.Kavitha	Some mapping on $\alpha c^*g$ -open & closed maps in topological spaces	International Journal of Engineering and Research Technology	Vol.3, Issue 1,Jan 2014. ISSN : 2278-0181	<b>2014</b>
<b>3</b>	M. Murugalingam, R. Ramesh and R. Mariappan	b-H-Open Sets and Decomposition of Continuity via Hereditary Classes	International Journal of Mathematical Archive	6(7), 2015, 194-199	<b>2015</b>
<b>4</b>	R. Mariappan, M. Murugalingam and R. Ramesh	Weakly $(\pi_H, \lambda)$ -Continuity in Generalized Topologies	International Journal of Mathematics and its Applications	3(4-D), (2015), 63-68	<b>2015</b>
<b>5</b>	<b>G V Sriramachandran,</b> & M Palanivel	Acceptance sampling plan from truncated life tests based on exponentiated inverse rayleigh distribution	American Journal of Mathematical and Management Sciences	33 (1), 20-35	<b>2015</b>
<b>6</b>	<b>G.V. Sriramachandran,</b> & M Palanivel	Acceptance sampling plan from truncated life tests based on exponentiated gamma distribution	Far east journal of mathematical sciences	84 (1), 47-64	<b>2015</b>
<b>7</b>	<b>R. Ramesh and R. Mariappan</b>	Generalized Open Sets in Hereditary Generalized Topological Spaces	Journal of Mathematical and Computational Science	5(2015), No.2, 149-159.	<b>2015</b>
<b>8</b>	<b>V. Umadevi,</b>	Understanding molecular properties	Computational and Theoretical	1049, 55-61,	2014

	N. Santhanamoorthi , L. Senthilkumar	of halogenated cyclohexane –A DFT study	Chemistry, Elsevier		
<b>9</b>	<b>B. Saravanakumar</b> , K. K. Purushothaman, G. Muralidharan,	MnO <sub>2</sub> Grafted V <sub>2</sub> O <sub>5</sub> nanoporous Structures: Formation Mechanism, Morphology and Supercapacitive features.	Royal Society of Chemistry & CrystEnggComm	16, 10711- 10720,	2014
<b>10</b>	<b>Devi Prasadh PS</b> , Bimal Kumar Sarkar, Madhuri W	Oxygen Dependence on Crystal Structure in 123,124 &247 YBCO System	SSRG International Journal of Humanities and social Sciences IJHSS – ICETSH	Special Issue, (2015) 1 – 7	<b>2015</b>
<b>11</b>	<b>Devi Prasadh PS</b> , Bimal Kumar Sarkar, Madhuri W	Critical Phenomena of YBCO Superconducting System Near Critical Region	SSRG International Journal of Humanities and social Sciences IJHSS – ICETSH	Special Issue, (2015) 1 – 7	<b>2015</b>
<b>12</b>	<b>Devi Prasadh PS</b> , Bimal Kumar Sarkar, Madhuri W	Ab Initio Study of Electronic, Structural, Optical, Thermal and Mechanical Characterization of Zinc Chalcogenides	IOJER	Volume 1 Issue 3 (April 2015) 189 – 194	<b>2015</b>
<b>13</b>	Bimal Kumar Sarkar, Ajay Sing Verma, <b>Devi Prasadh PS</b>	First-Principles Phase Stability Calculations of Zr <sub>3</sub> Al <sub>1-x</sub> Nb <sub>x</sub> Alloys with L1 <sub>2</sub> , and DO <sub>a</sub> Structures	TMS 2015 Suppl. Proc. , <b>Springer Publications</b>	Suppl. Proc. (2015) 713 – 719	<b>2015</b>
<b>14</b>	<b>Devi Prasadh PS</b>	Fractal Nature of superconducting percolating cluster	International Journal of Engineering and Allied Sciences	Vol. 1, Issue 1, 1 – 8 (2015)	<b>2015</b>
<b>15</b>	Madhuri W	Evaluating Structural, Optical &	International Journal of	Special Issue NCRTAM	<b>2014</b>

	<b>Devi Prasadh PS</b> Bimal Kumar Sarkar	Electrical Characterization of Zinc Chalcogenides– fp – LAPW+ lo Method	Science and Engineering Applications (Online)	ISSN-2319- 7560	
<b>16</b>	D Manoharan, J Chandrasekaran, <b>S Maruthamuthu,</b> P Kathirvel, P Jayamurugan	Synthesis of poly (aniline-co-o- toluidine) nanocolloidal particles in aqueous poly (styrene sulfonic acid) by dispersion polymerization method	Journal of Nanostructure in Chemistry	5,1, 115-122	2015/3/1