



## 5110- PRIYADARSHINI ENGINEERING COLLEGE

(Approved by AICTE and Affiliated to Anna University)

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### List of Faculty Members Publications department wise

NAME	DEPT	INTERNATIONAL JOURNAL
Dr. M. RAJAGOPAL	<b>Mechanical Engineering</b>	Free Cooling Potential and Technology Options for Thermal Energy Management of a Commercial Building in Bangalore City, India, Energy Engineering 111 (2), 11-24, 2014.
		Experimental Investigation on the Phase Change Material Based Modular Heat Exchanger for Thermal Management of a Building, International Journal of Green Energy, Published Online, 2016, DOI: 10.1080/15435075.2016.1181073
		Experimental investigation on Phase change material based thermal energy storage system for waste heat recovery from I.C. engine exhaust, International Journal of Applied Engineering Research 10 (30), 22909 – 22913, 2015.
		Analysis of Free cooling potential for thermal energy management of a commercial building in Jaipur city, India, International Journal of Applied Engineering Research 10 (30), 22943 – 22947, 2015
		Free Cooling Feasibility of a Typical commercial building in Pune City, India, International Journal of Applied Engineering Research 10 (2), 4419-4435, 2015.
Dr.M.UMADEVI	<b>ECE</b>	<b>Springer Arabian Journal</b> (Under Review ) International journal of interdisciplinary in engineering science and technology
Dr.P.RAJKUMAR	<b>S&amp;H</b>	1. “Kinetic study on Induced Electron Transfer Reaction in pentaamminecobalt(III) complexes of $\alpha$ -hydroxy acids by Permonosulphuric acid in micellar medium”, P.Rajkumar and K.Subramani, <b>Journal of Chemical and Pharmaceutical</b>

		<p><b>Research</b>, 2012,4(7):3759-3764, ISSN: 0975-7384, CODEN(USA) : JCPRC5.</p> <p>2.“Effect of Temperature on Redox Reactions of <math>\alpha</math>-Hydroxy acids by Permonosulphuric acid in micellar medium: A Kinetic and Mechanistic Study”, P.Rajkumar and K.Subramani, <b>Journal of Chemical, Biological and Physical Sciences</b> (An International Peer Review E-3 Journal of Sciences), August-October, 2012, Vol.2, No.4, 1773-1780, ISSN: 2249 –1929.</p> <p>3.“Kinetic analysis of Induced Electron Transfer Reactions in pentaamminecobalt(III) complexes of <math>\alpha</math>-Hydroxy acids and <math>\alpha</math>-Amino acids by Permonosulphuric acid in Anionic, Cationic and Neutral Micellar Medium”, P.Rajkumar and K.Subramani, <b>Asian Journal of Research in Chemistry</b>. 6(4), April 2013, Page 364-371, ISSN: 0974-4169.</p> <p>4.“Kinetic study on Electron transfer Reactions in pentaamminecobalt(III) complexes of <math>\alpha</math>-Amino acids by Permonosulphuric acid in micellar medium”, P.Rajkumar and K.Subramani, <b>Research Journal of chemistry and Environment.</b>, vol.17(6), June 2013, 68-74, ISSN: 0972-0626 <b>Annexure-II</b>.</p> <p>5.“A kinetic and mechanistic study on effect of variation of micelles on redox reactions of <math>\alpha</math>-Amino acids by Permonosulphuric acid”, P.Rajkumar and K.Subramani, <b>International Journal of Chemical Sciences</b>, 11(2), 2013, 761-772, ISSN 0972-768X.</p>
		<p>6.“Kinetic study on oxidation of Pentaamminecobalt(III) complexes of <math>\alpha</math>-hydroxy acids by Perdisulphuric acid in Micellar medium” P.Rajkumar <b>Journal of Applied Engineering and Research</b>. SCOPUS; Print ISSN 0973-4562; Online ISSN 1087—1090 <b>Annexure-II</b>, vol.8(10), 2015, 22974-22980.</p> <p>7.“Role of Surfactants in Oxidation of Pentaamminecobalt(III) complexes of <math>\alpha</math>-amino acids by Perdisulphuric acid: A Kinetic Study” P.Rajkumar, <b>International Journal of ChemTech Research</b>, vol.8(10), 2015, 266-271, ISSN: 0974-4290.</p>

		8. "Kinetics of Oxidation of Pentaamminecobalt(III) Complexes of $\alpha$ -Hydroxy Acids and $\alpha$ -Amino Acids by Permonosulphuric Acid in Micellar Medium" P. Rajkumar and K. Subramani, <b>International Journal of Science and Humanities</b> , Volume 1, Number 1 (2015), pp. 155-170. ISSN: 2394 9236.
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