



Hindusthan College of Engineering and Technology

(An Autonomous Institution, Approved by AICTE, New Delhi,
Accredited with 'A' Grade by NAAC, Affiliated to Anna University)
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JOURNAL PUBLICATION BY FACULTY

S.No.	Name of the Faculty & Designation	Co-authors	Title of the Paper	Name of the Journal	ISSN	Volume, Issue, Page No., Year	AU Annexure/U GC/SCOPUS/WOS
1.	Dr. K. Karunakaran & Professor	G. Navaneethan K.P.Elango	Stability indicating and simultaneous determination of cinnarizine and piracetam from capsule dosage form by reversed phase high performance liquid chromatography	Indian Journal of Chemical Technology	0971-457X	Vol. 20 323-326 2013	AU ANNEXURE JR
2.	Dr. K. Karunakaran & Professor	R. Venkatesh	Kinetic investigation of oxidation of aromatic anils by magnesium monoperoxyphthalate in aqueous acidic medium	Polish Journal Of Chemical Technology	1509-8117	Vol. 15 No. 3 55-60 2013	AU ANNEXURE JR

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3.	Dr. K. Karunakaran & Professor	R. Venkatesh	Kinetic investigation of oxidation of aromatic anils by potassium peroxy monosulphate in aqueous medium	International Journal of Chemical Kinetics	0538-8066	Vol. 45 No. 8 542-550 2013	AU ANNEXURE JR
4.	Dr. K. Karunakaran & Professor	D.Kungumathilagam	Kinetics and Mechanism of <i>meso</i> -Tetraphenylporphyrin Iron(III) Chloride Catalysed Oxidation of Indole-3-Acetic Acid by Peroxomonosulphate	Journal of Chemistry	2090-9063 (Print) ISSN: 2090-9071 (Online)	Article ID 186168 2013	AU ANNEXURE JR
5.	Dr. K. Karunakaran & Professor	P.Tamilarasu	Kinetic, equilibrium and thermodynamic studies on removal of Cr(VI) by activated carbon prepared from Ricinus Communis seed shell	Canadian Journal Of Chemical Engineering	0008-4034	Vol. 91 No.1 9-18 2012	AU ANNEXURE JR
6.	Dr. K. Karunakaran & Professor	M. Raja	<i>meso</i> -Tetraphenylporphyrin Iron(III) Chloride Catalyzed Oxidation of Aniline and its Substituents by <i>m</i> -Chloroperbenzoic Acid	Journal Of The Chilean Chemical Society	0717-9707	Vol. 57 No. 4 1199 – 1204 2012	AU ANNEXURE JR

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7.	Dr. K. Karunakaran & Professor	M. Raja	meso-Tetraphenylporphyrin iron(III)chloride catalyzed oxidation of aniline and its substituents by magnesium monoperoxyphthalate in aqueous acetic acid medium	Polish Journal Of Chemical Technology	1509-8117	Vol. 14 No. 4 35-41 2012	AU ANNEXURE JR
8.	Dr. K. Karunakaran & Professor	R. Kannan, S. Vasanthkumar	PdNi-decorated manganite nanocatalyst for electrooxidation of ethylene glycol in alkaline media	Ionics	0947-7047	Vol.18 No.8 803-809 2012	AU ANNEXURE JR
9.	Dr. K. Karunakaran & Professor	R. Kannan, S. Vasanthkumar	PdNi-coated manganite nanorods as catalyst for electrooxidation of methanol in alkaline medium	Applied Nanoscience	2190-5509	Vol.2 149-155 2012	AU ANNEXURE JR
10.	Dr. K. Karunakaran & Professor	G. Navaneethan K. P. Elango	Specific and Selective Estimation of Some Antiviral Drugs in Presence of Eight Impurities by Liquid Chromatography	Journal Of Food And Drug Analysis	1021-9498	Vol. 20 No.2 446-453 2012	AU ANNEXURE JR

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11.	Dr. K. Karunakaran & Professor	G. Navaneethan K. P. Elango	Development and validation of a stability Indicating RP-HPLC method for simultaneous estimation of Paracetamol Tramadol HCL and Domperidone in combined dosage form	Tropical Journal Of Pharmaceutical Research	1596-5996	Vol. 11 No. 1 99-106 2012	AU ANNEXURE JR
12.	Dr. K. Karunakaran & Professor	G. Navaneethan K. P. Elango	Development and Application of Stability Indicating HPLC Method for the Determination of Nevirapine and its Impurity in Combination Drug Product	Acta Chromatographica	1233-2356	Vol. 24 No.4 575-587 2012	AU ANNEXURE JR
13.	Dr. K. Karunakaran & Professor	G. Navaneethan K. P. Elango	Simultaneous estimation of Pioglitazone, Glimepiride and Glimepiride impurities in combination drug product by a validated stability- indicating	Journal of The Chilean Chemical Society	0717-9707	Vol. 56 No.3 815-818 2011	AU ANNEXURE JR

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			RP-HPLC method				
14.	Dr. K. Karunakaran & Professor	P.Thamilarasu, G.Vijaya Kumar, R.Tamilarasan, V. Sivakumar	Kinetic, equilibrium and thermodynamic studies on removal of Cr(VI) by activated carbon prepared from CajanusCajan(L) Milsp seed shell	Polish Journal of Chemical Technology	1509-8117	Vol. 13 No. 4 1-7 2011	AU ANNEXURE JR
15.	Dr. K. Karunakaran & Professor	P.Tamilarasu, P. Sivakumar	Removal of Ni(II) from aqueous solutions by adsorption onto CajanusCajan L Milsp seed shell activation carbons	Indian Journal of Chemical Technology	0971-457X	Vol. 18 414-420 2011	AU ANNEXURE JR
16.	Dr. K. Karunakaran & Professor	G. Navaneethan K.P.Elango	Development of a new RP-UPLC method for the estimation of Rabeprazole sodium in pharmaceutical formulation and application in dissolution study	Tropical Journal of Pharmaceutical Research	1596-5996	Vol. 10 No.5 655-661 2011	AU ANNEXURE JR

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17.	Dr. K. Karunakaran & Professor	R. Kannan, S. Vasanthkumar	Facile synthesis and catalytic studies of CdS–manganese oxide nanocomposite	Applied Nanoscience	2190-5509	Vol. 1 No. 4 197 – 203 2011	AU ANNEXURE JR
18.	Dr. K. Karunakaran & Professor	R. Kannan, A.Jegan, A. Ramasubbu, S.Vasanthkumar	Synthesis and catalytic studies of layered and OMS type nano manganese oxide material	Digest Journal of Nanomaterials and Biostructures	1842-3582	Vol. 6 No. 2 755 – 760 2011	AU ANNEXURE JR
19.	Dr. K. Karunakaran & Professor	K.P.Elango	Kinetics of oxidation of phenoxyacetic acids by pyridiniumhydrobromideperbromide.	Journal of Physical Organic Chemistry	0894-3230	Vol. 9 105-110 1996	AU ANNEXURE JR
20.	Dr. K. Karunakaran & Professor	K.P.Elango	Kinetics and mechanism of oxidation of (arylthio)acetic acids by pyridiniumhydrobromideperbromide.	Journal of Physical Organic Chemistry	0894-3230	Vol. 8 429-434 1995	AU ANNEXURE JR

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21.	P. N. Magudeswaran Professor	S. Balamurali, S. Saravanakumar, R. Chandramohan	SILAR Technique– Grown Mn-doped ZnO Thin Films	Brazilian Journal Of Physics	0103-9733	Vol. 51, 1501–1508 2021	AU ANNEXURE JR
22.	B. Jeyagowri Associate Professor	R. T. Yamuna	Biosorption of Methylene Blue From Aqueous Solutions By Modified Mesoporous Simarouba Glauca Seed Shell Powder	Global NEST Journal	1790-7632	Vol . 17, No 4, pp 701- 715, 2015	AU ANNEXURE JR
23.	B. Jeyagowri Associate Professor	R. T. Yamuna	Potential efficacy of a mesoporous biosorbent <i>Simarouba glauca</i> seed shell powder for the removal of malachite green from aqueous solutions	Desalination And Water Treatment	1944-3994	Vol. 17, No. 24, pp 11326- 11336	AU ANNEXURE JR
24.	B. Jeyagowri Associate Professor	R. T. Yamuna	Characterization And Potential Suitability Of Simarouba Glauca Seed Shell Lignocellulosic Biomass As Adsorbent Of Basic Dyes From Aqueous	Cellulose Chemistry And Technology	0576-9787	Vol. 55, No. 5-6, pp 705- 722, 2021	AU ANNEXURE JR

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			Solutions				
25.	S. J. Pradeeba Associate Professor	K. Sampath	A Comparative Study Of Photo-Catalytic Degradation Efficiency Of Methylene Blue Dye In Waste Water Using Poly(Azomethine)/Zn ONanocomposite And Poly(Azomethine)/Ti O2 Nanocomposite	Journal of Ovonic Research	1584-9953	Vol. 14, No. 3, p. 243 – 259, 2018	AU ANNEXURE JR
26.	S. J. Pradeeba Associate Professor	K. Sampath	Synthesis and Characterization of Poly(azomethine)/Zn ONanocomposite Toward Photocatalytic Degradation of Methylene Blue, Malachite Green, and Bismarck Brown	Journal Of Dynamic Systems Measurement And Control- Transactions Of The ASME	1528-9028	Vol. 141, No. 5, 051001 2018	AU ANNEXURE JR
27.	S. J. Pradeeba Associate Professor	K.Sampath	Depollution of Synthetic dyes From Waste Water Using Polyazomethine/TiO2 And Polyazomethine/ZnO Nanocomposites Via Photocatalytic Process	Global NEST Journal	1790-7632	Vol 24, pp 1-7,2022	AU ANNEXURE JR

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28.	S. J. Pradeeba Associate Professor	B.Jeyagowri K.Sampath	Kinetic and adsorption isotherm modeling of photodegradation of anionic dyes using polyazomethine/titanium dioxide and polyazomethine/zinc oxide nanocomposite	Desalination and Water Treatment	1944-3986	262 (2022) 266–282	AU ANNEXURE JR
29.	S. J. Pradeeba Associate Professor	B.Jeyagowri, K.Sivakumar, L.Vidhya, K.Sampath	Photodegradation of Anionic Dyes Using Polyazomethine/Titanium di-Oxide and Polyazomethine/ Zinc Oxide Nanocomposites	Materiale Plasticae	0025-5289	59 (4), 2022, 48-69	AU ANNEXURE JR
30.	L. Vidhya Associate Professor	T. Ramya S. Vinodha	Mesoporous Biochar obtained from Coir pith on removing Ni(II) from aqueous simulated solutions – Batch and Column studies	Desalination And Water Treatment	1944-3994	Vol. 206, pp 202 – 214 2020	AU ANNEXURE JR

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31.	L. Vidhya Associate Professor	Munusamy Dhandapani Kuppusamy Santhi	Sequestering Divalent Ni ions from Aqueous solutions using activated carbon of citrus limetta peel; Isothermic and Kinetic studies	Polish Journal of Environmental studies	1230-1485	Vol. 26, No. 4, pp. 1737 - 1745 2017	AU ANNEXURE JR
32.	L. Vidhya Associate Professor	Dhandapani K.Shanthi, S.Kamlakannan	Removal of Cr(VI) from aqueous solution using coir pith biochar-an eco-friendly approach	Indian Journal of Chemical Technology	0971-457X	Vol.25,266-273,2018	AU ANNEXURE JR
33.	L. Vidhya Associate Professor	P.Madhu, S.Vinodha, S.Sekar, P.Patil, S.Kaliappan, S.Prabhakar	Co-pyrolysis of Hardwood combined with Industrial pressed oil cake and Agricultural Enhanced Bio oil production	Journal of Chemistry	2090-9063	Vol.2022, Article ID 9884766, 12 pages	AU ANNEXURE JR

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34.	Dr. Pradeeba.S.J, Associate Professor	Sampath Krishnan, Anusha Karunakaran, Keerthika Kumarasamy, Mei-Ching Lin	The effect of pH on the photocatalytic degradation of cationic and anionic dyes using polyazomethine/ZnO and polyazomethine/TiO ₂ nanocomposites	International Journal of Applied Science and Engineering	1727-7841	Vol.1 8(5) 2020 47, 2021	
35.	Dr. Pradeeba.S.J Associate Professor	Dr.K.Sampath	Photodegradation, thermodynamic and kinetic study of cationic and anionic dyes from effluents using polyazomethine/ZnO and polyazomethine/TiO ₂ nanocomposites	Journal of Optoelectronic and Biomedical Materials	2066-0049	Vol. 14, No. 3, July - September 2022, p. 89 - 105	WOS
36.	B. Jeyagowri , Associate Professor	S. J. Pradeeba V. Nirmaladevi and L. Vidhya	Physiochemical characteristics analysis of surface water and underground water during the summer season	International Journal of Health Sciences	2550-696X	6(S5), 3952–3967, 2022	SCOPUS

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37.	B. Jeyagowri , Associate Professor	S. J. Pradeeba V. Nirmaladevi and L. Vidhya	A Study on Physicochemical analysis of Surface and Groundwater in Coimbatore region	Journal of Environmental Science, Computer Science and Engineering & Technology	2278-179X	JECET; June 2022-August 2022; Sec. A; Vol.11. No.3, 463-476.	SCOPUS
38.	Dr. Pradeeba.S.J Associate Professor	K. Sivakumar,, B. Jeyagowri, V. Nirmaladevi,and L. Vidhya	Removal of Methylene blue Dye from water through Photocatalytic Activity Using Polymer-Metal Oxide Nanocomposites – a Comparative Study	Ecology, Environment And Conservation	0971-765X	VOL. 28 (December Suppl. Issue) : 2022	UGC CARE SCOPUS
39.	Dr. Pradeeba.S.J, Associate Professor	L Vidhya, S Vinodha, B Jeyagowri, V Nirmaladevi, N Nithiya	Adsorption and Kinetic Studies on Sequestering Effect of Porous Biodegradable Biochar Obtained from Pig-Bone on Hexavalent Chromium from Aqueous Solution	Nature Environment and Pollution Technology	2395-3454	vol.22 (2), pp 681-690, 2023	UGC CARE SCOPUS