



HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Valley Campus, Pollachi Highway
Coimbatore – 641 032



DEPARTMENT OF CHEMICAL ENGINEERING

Publications

Authored by Dr. Seenuvasan M

S.No	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume No, Issue No & Pages From-To	Year of Publication	IF	ISSN No.	DOI No.
1	Anitha Thulasingh, Seenuvasan Muthulinga , Mohan Kumar, Naveenraj Rajasekar, Shantanu Mohanraj, Carlin Geor Malar	Biosorption of methylene blue dye using a novel chitosan pectinase blend	Environmental Science and Pollution Research	https://link.springer.com/article/10.1007/s11356-022-24996-1	30, 48948–48961	2023	5.190	1614-7499	https://doi.org/10.1007/s11356-022-24996-1
2	Carlin Geor Malar · Seenuvasan Muthulingam · Mohanraj Murugesan · Gayathri Srinivasan · Rakesh Sankar	A comprehensive review of the importance of thermal activation in the production of carbon dots and the potential for their use in the bioenergy industry	Journal of Thermal Analysis and Calorimetry	https://link.springer.com/article/10.1007/s10973-022-11687-9	148	2023	4.755	1388-6150	https://doi.org/10.1007/s10973-022-11687-9
3.	Carlin Geor Malar, M.Seenuvasan , Mohanraj Murugesan, S.B. Ron Carter and Kannaiyan Sathish Kumar	Modelling of urea hydrolysis kinetics using genetic algorithm coupled artificial neural networks in urease immobilized magnetite nanoparticles	Chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653522014229	Volume 303, Part 1 , 134929	2022	7.086	0045-6535	doi.org/10.1016/j.chemosphere.2022.134929
4.	M. Seenuvasan , C.G. Malar, R. Carter and S. Praveen	Magnetite embedded biochar as nano-sorbent for effective adsorption of textile dye	Latin American Applied Research	https://laar.plapiqui.edu.ar/OJS/index.php/laar/article/view/645	Vol. 51 No. 3 , 185-192	2021	0.70	3270793	https://doi.org/10.52292/j.laar.2021.645
5.	Helly Chandarana, Ponnusamy Senthil Kumar, M. Seenuvasan , Madhava Anil Kumar	Kinetics, equilibrium and thermodynamic investigations of methylene blue dye removal using Casuarina eusetifolia pines	Chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653521019524?via%3Dihub	Volume 285 , 131480	2021	7.086	0045-6535	doi.org/10.1016/j.chemosphere.2021.131480
6.	G.C.G. Malar, M. Seenuvasan , K. Sathish	Review on surface modification of nanocarriers to overcome diffusion	Biochemical Engineering Journal	https://www.sciencedirect.com/science/article/abs/pii/S1369703X20	Volume 158 , No.15, 107574	2020	3.978	1369-703X	doi.org/10.1016/j.bej.2020.107574

	Kumar, M. Anil Kumar, A., R. Parthiban	limitations: An enzyme immobilization aspect		300899					
7.	G.C.G. Malar, M. Seenuvasan , K. Sathish Kumar	Improvisation of diffusion coefficient in surface modified magnetite nanoparticles: a novel perspective	Materials Science and Engineering C: Materials for Biological Applications	https://www.sciencedirect.com/science/article/pii/S092849311930904X	Volume 103 , 109832	2019	7.328	0928-4931	doi.org/10.1016/j.msec.2019.10.9832
8.	Sathya, J.H., Franklin, N., Balaji, N., Selvaraj, S., Seenuvasan.M	Utilizing Borassus flabellifer sprout peel sugars by Pseudomonas fluorescence for degradation of textile effluent	Journal of Environmental Biology	http://www.jeb.co.in/index.php?page=abstract&issue=201907_jul19_spl&number=3	Volume 40.No.4	2019	0.781	0254-8704	doi.org/10.22438/jeb/40/4(SI)/JEB_02
9.	Malar, C.G., Seenuvasan. M. , Sathishkumar,K	Adsorption of nickel ions by surface modified magnetite nanoparticles: Kinetics study	Journal of Environmental Biology	http://www.jeb.co.in/index.php?page=abstract&issue=201907_jul19_spl&number=5	Volume 40.No.4	2019	0.781	0254-8704	doi.org/10.22438/jeb/40/4(SI)/JEB_10
10	Malar, C.G., Seenuvasan. M. , Sathishkumar,K	Characterization of squid pens extracted beta- chitosan coated magnetite nanoparticles	Journal of Environmental Biology	http://www.jeb.co.in/index.php?page=abstract&issue=201907_jul19_spl&number=2	Volume 40.No.4	2019	0.781	0254-8704	http://doi.org/10.22438/jeb/40/4(SI)/JEB_01
11	G.C.G. Malar, M. Seenuvasan , K. Sathish Kumar	Prominent study on surface properties and deficient coefficient of urease conjugated magnetic nanoparticles	Applied Biochemistry and Biotechnology	https://link.springer.com/article/10.1007/s12010-018-2719-1	Volume 186,Pages.174–185	2018	2.926	0273-2289	doi.org/10.1007/s12010-018-2719-1
12	M. Dineshkumar, A. Sivalingam, M. Seenuvasan	Phytoremediation of heavy metals in battery industrial effluent using <i>Eichhornia crassipes</i>	Desalination and Water Treatment	https://www.deswater.com/DWT_abstracts/vol_122/122_2018_236.pdf	Volume 122, Pages.236–246	2018	1.254	1944-3994	doi: 10.5004/dwt.2018.22821
13	M. Seenuvasan , J. R. G. Suganthi, G. Sarojini, G. C. G. Malar, M. E. Priya, M. A. Kumar	Effective utilization of crustacean shells for preparing chitosan composite beads: Applications in ameliorating the biosorption of an endocrine disrupting heavy metal	Desalination and Water Treatment	https://www.deswater.com/DWT_abstracts/vol_121/121_2018_28.pdf	Volume 121, Pages.28–35	2018	1.254	1944-3994	doi.org/10.5004/dwt.2018.22194
14	M. Seenuvasan , G. Vinodhini, G.C.G. Malar, N. Balaji and K. Sathish	Magnetic nanoparticles: a versatile carrier for enzymes in bio-processing sectors	IET Nanobiotechnology	https://ietresearch.onlinelibrary.wiley.com/doi/10.1049/iet-nbt.2017.0041	Volume 12. No.5, Pages.535 -548	2017	1.847	1751-8741	doi.org/10.1049/iet-nbt.2017.0041

	Kumar								
15	D. Joyce Hellen Sathya, A.M. Turakhia, M.A. Kumar, N. Balaji, S. Selvanaveen, G. Vinodhini, and M. Seenuvasan	Bioethanol from saccharified lignocellulosic rich Aloe vera rinds using <i>Saccharomyces cerevisiae</i> MTCC 4779	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	https://www.tandfonline.com/doi/abs/10.1080/15567036.2017.1328004	Volume 39, Pages. 1347-1352	2017	3.447	1556-7036	doi.org/10.1080/15567036.2017.1328004
16	M.A. Kumar, S. Poonam, V.V. Kumar, G. Baskar, M. Seenuvasan , D. Anuradha and S. Sivanesan	Mineralization of aromatic amines liberated during the degradation of a sulfonated textile colorant using <i>Klebsiella pneumoniae</i> strain AHM	Process Biochemistry	https://www.sciencedirect.com/science/article/abs/pii/S1359511316306183	Volume 57 , Pages. 181-189	2017	3.757	1359-5113	doi.org/10.1016/j.procbio.2017.03.012
17	M. Seenuvasan , S.J. Sanjayini, M.A. Kumar, G. Vinodhini, J.H. Sathya and V.V. Kumar	Cellulase mediated saccharification of lignocellulosic rich pseudostem of Musa cavendish for bio-ethanol production by <i>Saccharomyces cerevisiae</i> MTCC 4779	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	https://www.tandfonline.com/doi/abs/10.1080/15567036.2016.1246626?journalCode=ueso20	Volume 39, No.6, Pages 570-575	2017	3.447	1556-7036	doi.org/10.1080/15567036.2016.1246626
18	M.A. Kumar, D.K. Harthy, V.V. Kumar, K.G. Balashri, M. Seenuvasan , D. Anuradha and S. Sivanesan	Detoxification of a triphenylmethane textile colorant using acclimated cells of <i>Bacillus mannanilyticus</i> strain AVS	Environmental Progress and Sustainable Energy	https://aiche.onlinelibrary.wiley.com/doi/abs/10.1002/ep.12469	Volume 36, No. 2 , Pages 394-403	2016	2.431	1944-7442	doi.org/10.1002/ep.12469
19	N. Balaji, K.S. Kumar, G. Vinodhini, M. Seenuvasan and M.A. Kumar	Immobilization of laccase onto micro-emulsified magnetic nanoparticles for enhanced degradation of a textile recalcitrant	Journal of Environmental Biology	http://www.jeb.co.in/index.php?page=abstract&issue=201611_nov16_spl&number=13	Volume 37. No.6, Pages. 1489-1496	2016	0.781	0254-8704	-
20	M.A. Kumar, R. Priyadarshini, M. Seenuvasan , V.V. Kumar, D. Nilavunesan, D. Anuradha and S. Sivanesan	Biotransformation and detoxification of a greatertinctorial textile colorant using an isolated bacterial strain	Journal of Environmental Biology	http://www.jeb.co.in/index.php?page=abstract&issue=201611_nov16_spl&number=14	Volume. 37, No.6, Pages. 1497-1506	2016	0.781	0254-8704	-
21	M.A. Kumar, V.V. Kumar, R. Ponnusamy, F.P. Daniel, M. Seenuvasan , C.D. Anuradha and S.	Concomitant mineralization and detoxification of acid red 88 by an indigenous acclimated mixed culture	Environmental Progress and Sustainable Energy	https://aiche.onlinelibrary.wiley.com/doi/abs/10.1002/ep.12151	Volume 34, No.5 , Pages 1455-1466	2015	2.431	1944-7450	doi.org/10.1002/ep.12151

	Sivanesan								
22	M. Seenuvasan, K.S. Kumar, G.C.G. Malar, S. Preethi, M.A. Kumar and N. Balaji	Characterization, analysis, and application of fabricated Fe ₃ O ₄ -chitosan-pectinase nanobiocatalyst	Applied Biochemistry and Biotechnology	https://link.springer.com/article/10.1007/s12010-014-0725-5	Volume.172, pages 2706–2719	2014	2.926	0273-2289	doi.org/10.1007/s12010-014-0725-5
23	M. Seenuvasan, P.K. Selvi, M.A. Kumar, J. Iyyappan and K.S. Kumar	Standardization of non-edible Pongamiapinnata oil methyl ester conversion using hydroxyl content and GC-MS analysis	Journal of the Taiwan Institute of Chemical Engineers	https://www.sciencedirect.com/science/article/abs/pii/S1876107013003027	Volume 45, No. 4, Pages 1485-1489	2014	5.876	1876-1070	doi.org/10.1016/j.jtice.2013.11.002
24	M. Seenuvasan, G.C.G. Malar, S. Preethi, N. Balaji, J. Iyyappan, M.A. Kumar and K.S. Kumar	Fabrication, characterization and application of pectin degrading Fe ₃ O ₄ -SiO ₂ nanobiocatalysts	Materials Science and Engineering C: Materials for Biological Applications	https://www.sciencedirect.com/science/article/pii/S0928493113000763	Volume 33, No. 4, Pages 2273-2279	2013	7.328	0928-4931	doi.org/10.1016/j.msec.2013.01.050



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DEPARTMENT OF CHEMICAL ENGINEERING

Publications Authored by Dr. Kannadasan T

Sl. No.	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume No, Issue No & Pages From-To	Year of Publication	IF	ISSN No.	DOI No.
1.	C.Ahmed Basha, R.Saravanatham izhan, P.Manokaran, T.Kannadasan and Chang Woo Lee	Photoelectrocatalytic Oxidation of Textile Dye Effluent: Modeling Using Response Surface Methodology	Industrial & Engineering Chemistry Research	https://pubs.acs.org/journal/iecred	51, 7, 2846-2854	2012	3.76	0888-5885	https://pubs.acs.org/doi/abs/10.1021/ie2023977
2.	C.Ahmed Basha, M. Somasundaram, T. Kannadasan , Chang Woo Lee,	Heavy metals removal from copper smelting effluent using electrochemical filterpress cells,	Chemical Engineering Journal	https://www.sciencedirect.com/journal/chemical-engineering-journal	171, 2, 563-571	2011	13.27	1385-8947	https://doi.org/10.1016/j.cej.2011.04.031
3.	B.Balamurugan, M.Thirumarimurugan, T.Kannadasan	Anaerobic degradation of textile dye bath effluent using <i>Halomonas</i> sp.	Bioresour ce Technology	https://www.sciencedirect.com/journal/bioresour ce-technology	102, 10, 6365-6369	2011	9.64	0960-8524	https://doi.org/10.1016/j.biortech.2011.03.017
4.	Sivakumar V., Senthilkumar K., Kannadasan T. ,	Prediction of gas holdup in the three-phase fluidized bed: air/Newtonian and non-Newtonian liquid systems	Polish journal of chemical Technology,	https://sciendo.com/journal/PJCT	12, 4, 64-71	2010	1.125	1509-8117	https://doi.org/10.2478/v10026-010-0053-7
5.	Prabhakaran.D, Ahmed Basha .C, Kannadasan .T. and Aravinthan .P, (2010),	Removal of Hydroquinone from water by Electrocoagulation Using flow cell and optimization by Response Surface Methodology	Journal of Environmental Science and Health, Part A	https://www.tandfonline.com/journals/lesa20	45, 4, 400-412	2010	2.26	1093-4529	https://doi.org/10.1080/10934520903540174
6.	D.Prabhakaran, T.Kannadasan , C.Ahmed Basha,	Treatability Of Resin Effluents By Electrochemical	International Journal of	https://www.springer.com/journal/13762	6, 3, 491-498	2009	2.86	1735-1472	http://www.bioline.org.br/pdf?st09054
		Oxidation Using Batch Recirculation Reactor	Environmental Science and Technology						



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Publications Authored by Dr. Vivek M S

Sl. No.	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume No, Issue No & Pages From-To	Year of Publication	IF	ISSN No.	DOI No.
1.	M.S.Vivek , R. Anantharaj, S. Shyam, N. Mayuri	Evaluation of Molecular Behaviour of Priority of Water Pollutants with Ionic Liquids: COSMO based Approach	Industrial & Engineering Chemistry Research	https://pubs.acs.org/doi/10.1021/acs.iecr.8b04089	58 (1), 316-333	2019	3.764	0888-5885	doi.org/10.1021/acs.iecr.8b04089
2.	M.S.Vivek , R. Anantharaj, J.S. Deepthi, M. Vichitra, A. Chandramohan.	Deep Eutectic Solvents on Extraction of Benzothiophene from Iso-octane: Experiment and COSMO-RS Model.	Journal of Dispersion Science and Technology	https://www.tandfonline.com/doi/abs/10.1080/01932691.2021.1880922	1-11	2021	2.262	0193-2691	doi.org/10.1080/01932691.2021.1880922
3.	M.S.Vivek , R. Anantharaj, P. Divya Lakshmi, S. Priyadarshini, L. Swaanika.	Deep eutectic solvents on extraction of bisphenol A from water matrices: COnductor like Screening MOdel for Real Solvents prediction and experimental validation.	Asia-Pacific Journal of Chemical Engineering.	https://onlinelibrary.wiley.com/doi/abs/10.1002/apj.2627	16(3), e2627	2021	1.447	1867-1381	doi.org/10.1002/apj.2627
4	Anantharaj Ramalingam, Tamal Banerjee, Vivek Mariappan Santhi , Dhirendra Kumar Mishra, Danish John Paul Mark Reji, Shruthi Nagaraj	Investigation of molecular interaction, performance of green solvent in esterification of ethanol and acetic acid at 298.15?K and at 1 atm	Asia-Pacific Journal of Chemical Engineering.	https://onlinelibrary.wiley.com/doi/abs/10.1002/apj.2875	18(2)e2875	2023	1.777	1867-1381	DOI: 10.1002/apj.2875
5	Beevi Fathima Mohamed Thamby, Vivek Mariappan Santhi , Anantharaj Ramalingam	Quantum chemical and experimental studies on the extraction of acid blue 80 and acid red 1 from their aquatic environment using tetrabutylammonium bromide based deep eutectic solvents	Journal of Dispersion Science and Technology	https://www.tandfonline.com/doi/abs/10.1080/01932691.2023.2195931	-	2023	2.262	0193-2691	https://doi.org/10.1080/01932691.2023.2195931



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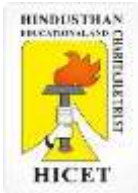
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Publications as listed in CFR Journal List of Anna University website

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S.No	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume No, Issue No & Pages From-To	Year of Publication	IF	ISSN No.	DOI No.	Sl. No. in CFR Journal List
1.	G.Sarojini, P.Kannan, N.Rajamohan, M.Rajasimman.	Dyes removal from water using polymeric nanocomposites: a review	Environmental Chemistry Letters	https://link.springer.com/article/10.1007/s10311-022-01547-1	-	2022	13.6	1610-3653	https://doi.org/10.1007/s10311-022-01547-1	959 (Annexure)
2.	G.Sarojini, S.Venkateshbabu, N.Rajamohan, M.Rajasimman.	Performance evaluation of polymer–marine biomass based bionanocomposite for the adsorptive removal of malachite green from synthetic wastewater	Environmental Research	https://www.sciencedirect.com/science/article/abs/pii/S001393512101433X	Volume 204 Part B. 112132	2022	6.498	0013-9351	https://doi.org/10.1016/j.envres.2021.112132	967 (Annexure)
3.	G.Sarojini, S.Venkateshbabu, N.Rajamohan, M.Rajasimman, Arivalagan Pugazhendhi.	Application of a polymer-magnetic-algae based nanocomposite for the removal of methylene blue – Characterization, parametric and kinetic studies	Environmental Pollution	https://www.sciencedirect.com/science/article/abs/pii/S0269749121019588	Volume 292 Part B , 118376	2022	6.792	0269-7491	https://doi.org/10.1016/j.envpol.2021.118376	966 (Annexure)
4.	P. Murugan, G. Sarojini, R. Saravanan and S. Bhuvaneshwari	Removal of lead ions using OA-Fe ₃ O ₄ magnetic nanoparticles-based pickering emulsion liquid membrane: process optimization using box–behken response surface methodology	Environmental Technology	https://www.tandfonline.com/doi/abs/10.1080/09593330.2021.2008016	-	2021	3.978	1479-487X	https://doi.org/10.1080/09593330.2021.2008016	6890 (Annexure I)
5.	G.Sarojini, S.Venkateshbabu, M.Rajasimman	Adsorptive potential of iron oxide based nanocomposite for the sequestration of	Chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653521028435	Volume 287, 132371	2022	7.086	0045-6535	https://doi.org/10.1016/j.chemosphere.2021.132371	597 (Annexure)

		Congo red from aqueous solution								
6.	A.Muthu Kumara Pandian, M. Rajamehala, M. Vijay Pradhap Singh, G. Sarojini, N. Rajamohan	Potential risks and approaches to reduce the toxicity of disinfection by-product – A review	Science of The Total Environment	https://www.sciencedirect.com/science/article/abs/pii/S0048969722004156	Volume 822, 153323	2022	10.753	0048-9697	https://doi.org/10.1016/j.scitotenv.2022.153323	2689 (Annexure)
7.	G.Sarojini, S.Venkateshbabu, M.Rajasimman.	Facile synthesis and characterization of polypyrrole-iron oxide – seaweed (PPy-Fe ₃ O ₄ -SW) nanocomposite and its exploration for adsorptive removal of Pb(II) from heavy metal bearing water	Chemosphere	https://www.sciencedirect.com/science/article/abs/pii/S0045653521008705	Volume 278, 130400	2021	7.086	0045-6535	doi.org/10.1016/j.chemosphere.2019.109832	597 (Annexure)
8.	G.Sarojini, S.Venkateshbabu, N.Rajamohan, P.Senthilkumar, M.Rajasimman	Surface modified polymer-magnetic-algae nanocomposite for the removal of chromium-equilibrium and mechanism studies	Environmental Research	https://www.sciencedirect.com/science/article/abs/pii/S0013935121009208	Volume 201, 111626	2021	6.498	0013-9351	https://doi.org/10.1016/j.envres.2021.111626	967 (Annexure)
9.	G.Sarojini, P.Kannan, G.Pravin	Production of biodiesel from jojoba oil using ultra sonicator	Journal of Environmental Biology	http://jeb.co.in/journal_issues/201907_jul19_spl/paper_14.pdf	Volume 40, .No.4 802-806	2019	0.781	0254-8704	http://doi.org/10.22438/jeb/40/4(SI)/JEB_24	-
10.	D. R. Manimaran, G. Sarojini, P. Ramalingam	Biosorption of synthetic dyes from textile industrial effluent using waste papaya latex	Journal of Environmental Biology	http://jeb.co.in/journal_issues/201907_jul19_spl/paper_17.pdf	Volume 40.No.4 817-824	2019	0.781	0254-8704	http://doi.org/10.22438/jeb/40/4(SI)/JEB_28	-
11.	M. Seenuvasan, J. R. G. Suganthi, G. Sarojini, G. C. G. Malar, M. E. Priya, M. A. Kumar	Effective utilization of crustacean shells for preparing chitosan composite beads: Applications in ameliorating the biosorption of an endocrine disrupting heavy metal	Desalination and Water Treatment	https://www.deswater.com/DWT_abstracts/vol_121/121_2018_28.pdf	Volume 121, Pages.28–35	2018	1.254	1944-3994	doi.org/10.5004/dwt.2018.22194	2806 (Annexure)



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S.No	Author's	Title of the Paper	Name of the Journal	URL of the Journal Home Page	Volume No, Issue No & Pages From-To	Year of Publication	IF	ISSN No.	DOI No.
1.	Muthusaravanan S, Balasubramani K , Suresh R, Ganesh RS, Sivarajasekar N, Arul H, Rambabu K, Bharath G, Sathishkumar VE, Murthy AP, Banat F	Adsorptive removal of noxious atrazine using graphene oxide nanosheets: Insights to process optimization, equilibrium, kinetics, and density functional theory calculations	Environmental Research	https://www.sciencedirect.com/science/article/abs/pii/S0013935121007222	Volume 200 , September 2021, 111428	2021	8.431	0013-9351	https://doi.org/10.1016/j.envres.2021.111428
2	Suresh T, Sivarajasekar N, Balasubramani K	Enhanced ultrasonic assisted biodiesel production from meat industry waste (pig tallow) using green copper oxide nanocatalyst: Comparison of response surface and neural network modelling	Renewable Energy	https://www.sciencedirect.com/science/article/abs/pii/S0960148120315378	Volume 164 , February 2021, Pages 897-907	2021	8.634	0960-1481	https://doi.org/10.1016/j.renene.2020.09.112
3	Balasubramani K , Sivarajasekar N, Muthusaravanan S, Ram K, Naushad M, Ahamad T, Sharma G	Efficient removal of antidepressant Flupentixol using graphene oxide/cellulose nanogel composite: Particle swarm algorithm based artificial neural network modelling and optimization	Journal of Molecular Liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732220354064	Volume 319 , 1 December 2020, 114371	2020	6.633	0167-7322	https://doi.org/10.1016/j.molliq.2020.114371

4	Suresh T, Sivarajasekar N, Balasubramani K , Ahamad T, Alam M, Naushad M	Process intensification and comparison of bioethanol production from food industry waste (potatoes) by ultrasonic assisted acid hydrolysis and enzymatic hydrolysis: Statistical modelling and optimization	Biomass and Bioenergy	https://www.sciencedirect.com/science/article/abs/pii/S0961953420302865	Volume 142 , November 2020, 105752	2020	5.774	0961-9534	https://doi.org/10.1016/j.biombioe.2020.105752
5	Balasubramani K , Sivarajasekar N, Naushad M	Effective adsorption of antidiabetic pharmaceutical (metformin) from aqueous medium using graphene oxide nanoparticles: Equilibrium and statistical modelling	Journal of Molecular Liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732219361069	Volume 301 , 1 March 2020, 112426	2020	6.633	0167-7322	https://doi.org/10.1016/j.molliq.2019.112426
6	Sivarajasekar N, Balasubramani K , Baskar R, Sivamani S, Ganesh Moorthy I	Eco-Friendly Acetaminophen Sequestration Using Waste Cotton Seeds: Equilibrium, Optimization and Validation Studies	Journal of Water Chemistry and Technology	https://link.springer.com/article/10.3103/S1063455X18060048	Volume 40, pages 334–342 (2018)	2019		1063-455X	https://doi.org/10.3103/S1063455X18060048
7	Sivarajasekar N, Balasubramani K , Mohanraj N, Maran JP, Sivamani S, Koya PA, Karthik V	Fixed-bed adsorption of atrazine onto microwave irradiated <i>Aegle marmelos</i> Correa fruit shell: Statistical optimization, process design and breakthrough modeling	Journal of Molecular Liquids	https://www.sciencedirect.com/science/article/abs/pii/S0167732217313399	Volume 241 , September 2017, Pages 823-830	2017	6.633	0167-7322	https://doi.org/10.1016/j.molliq.2017.06.064
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9	K. Balasubramani , N. Sivarajasekar, G. Sarojini, and Mu. Naushad	Removal of Antidiabetic Pharmaceutical (Metformin) Using Graphene Oxide Microcrystalline Cellulose (GOMCC): Insights to Process Optimization, Equilibrium, Kinetics, And	Industrial & Engineering Chemistry Research	https://pubs.acs.org/doi/abs/10.1021/acs.iecr.2c04480	62, 11, 4713–4728	2023	4.326	0888-5885	https://doi.org/10.1021/acs.iecr.2c04480

		Machine Learning							
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