

Department of Chemical Engineering
SSN College of Engineering, Chennai

List of Students Publications

2011-2012

Sl. No.	Title of papers	Author(s)	Name, volume number of Journal, page number and year of publication	DOI	Impact Factor
1	Adsorption of methylene blue dye from aqueous solution by agricultural waste: Equilibrium, thermodynamics, kinetics, mechanism and process design	P. Senthil Kumar, R.V. Abhinaya, K. GayathriLashmi, V. Arthi, R. Pavithra, V. Sathyaselvabala, S.DineshKirupha, S. Sivanesan*	Colloid Journal Vol. 73 (5), pp. 651-661, 2011	10.1134/S1061933X11050061	0.859
2	Lead(II) adsorption onto sulphuric acid treated cashew nut shell	P. Senthil Kumar, S. Ramalingam, R. V. Abhinaya, K.V. Thiruvengadaravi, P. Baskaralingam, S. Sivanesan*	Separation Science & Technology Vol. 46 (15), pp. 2436-2449, 2011	10.1080/01496395.2011.590174	1.106
3	Anticancer studies of drug encapsulated polyethylene terephthalate-Co-polylactic acid nanocapsules	K. Sathish Kumar, P. Senthil Kumar, S. Vijayalakshmi	Journal of Pharmacy & BioAllied Sciences Vol. 3 (2), pp. 286-293, 2011	10.4103/0975-7406.80772	----
4	Green inhibitors: Anti corrosive propensity of Garcinia mangostana for Aluminium 1100	V.S. Gayathri, K. Yamuna D. Gnana Prakash R. Kameshwari R. Supraja, Ramesh Munusamy, Thiruvalan Venkatesan	Solid State Phenomena Vol. 185, pp. 109-112, 2012	10.4028/www.scientific.net/SSP.185.109	----
5	Synthesis and kinetic studies on controlled release of 6-thioguanine	K.Sathish Kumar, T.G. Ashwin Narayanan, P.Karthick Sarathy,	International Journal of Chemical Reactor Engineering	10.2202/1542-6580.2766	0.623

	entrapped polyethylene glycol-Co-poly lactic acid polymer nanoparticles	S. Nagarjun, K.Ramakrishnan	Vol. 9, pp. 1-14, 2011		
6	Chitosan nanoparticles as delivery systems for Thioguanine	K.Sathish Kumar, S.Vijayalakshmi, S.Vaishnavi, K.Rajasekar	Journal of Pharmaceutical Research Vol 5 (12), pp. 245-250, 2012	74455126	----

2012-2013

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1	Adsorption equilibrium, thermodynamics, kinetics, mechanism and process design of zinc(II) ions onto cashew nut shell	P. Senthil Kumar, S. Ramalingam, R.V. Abhinaya, S. Dinesh Kirupha, T. Vidhyadevi, S. Sivanesan*	The Canadian Journal of Chemical Engineering Vol. 90, pp. 1178-1185, 2012	10.1002/cjce. .20588	1.356
2	Adsorption of metal ions onto the chemically modified agricultural waste	P. Senthil Kumar, S. Ramalingam, R. V. Abhinaya, S. Dinesh Kirupha, A. Murugesan, S. Sivanesan	CLEAN – Water, Air, Soil Vol. 40 (2), pp. 188-197, 2012	10.1002/clen. .201100118	1.356
3	Kinetics, mechanism, isotherm and thermodynamic analysis of adsorption of cadmium ions by surface-modified <i>Strychnos potatorum</i> seeds	P. Senthil Kumar, R. Gayathri, C. Senthamarai, M. Priyadharshini, P. Sebastina Anne Fernando, R. Srinath, V. Vinoth Kumar	Korean Journal of Chemical Engineering Vol. 29 (12), pp. 1752-1760, 2012	10.1007/s11814-012-0077-1	2.007
4	Kinetics and drug release studies on isoniazid encapsulated with PLA-Co-PEG/Gold Nanoparticles	C. Arun Raj, P. Senthil Kumar, K. Sathish Kumar	International Journal of Pharmacy and Pharmaceutical Sciences Vol. 4 (4), pp. 398-404, 2012	82826562	----

5	Cashew nut shell mops up heavy metals	P. Senthil Kumar, S. Ramalingam, R. V. Abhinaya , S. Dinesh Kirupha, A. Murugesan, S. Sivanesan	Nature India Nature Journal doi:10.1038/ninda.2012.25	10.1038/ninda.2012.25	----
6	Vibrational Spectroscopic and Optical Absorption Studies on PVA	J. Pavithra , S. Suriya , D. Gnana Prakash, P. Balaji Bhargav	Advanced Materials Research Vol. 584, pp. 546-550, 2012	10.4028/www.scientific.net/AMR.584.546	----
7	Chitosan-Gold nanoparticles as delivery systems for curcumin	K. Satish Kumar, D. Gnana Prakash, K. Mayilvaganan, C. Arunraj , S. Mohan Kumar	International Journal of Pharmaceutical Sciences and Research Vol. 3 (11), pp. 4533-4539, 2012	-----	-----

2013-2014

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1	Adsorption behavior of methylene blue dye onto surface modified <i>Strychnos potatorum</i> seeds	C. Senthamarai , P. Senthil Kumar, M. Priyadharshini , P. Vijayalakshmi, V. Vinoth Kumar, P. Baskaralingam, K.V. Thiruvankadaravi, S. Sivanesan	Environmental Progress & Sustainable Energy Vol. 32 (3), pp. 624-632, 2013	10.1002/ep.11673	1.672
2	Adsorption of methylene blue dye onto surface modified cashew nut shell	P. Senthil Kumar, R.V. Abhinaya , K. GayathriLashmi , V. Arthi , M. Priyadharshini , S. Sivanesan*	Environmental Engineering and Management Journal Vol. 13 (3), pp. 545-556, 2014	omicron.ch.tuiasi.ro/EEMJ/2014	1.008
3	Removal of Cu(II) ions from aqueous solution by adsorption onto	P. Rajkumar, P. Senthil Kumar, M. Priyadharshini , S. Dinesh Kirupha,	Environmental Engineering and Management Journal	omicron.ch.tuiasi.ro/EEMJ/2014	1.008

	activated carbon produced from <i>Guazuma ulmifolia</i> seeds	P. Baskaralingam, S. Sivanesan	Vol. 13 (4), pp. 905-914, 2014		
4	Adsorption kinetics, mechanism, isotherm and thermodynamic analysis of copper ions onto the surface modified agricultural waste	P. Senthil Kumar, C. Senthamarai, A. Durgadevi	Environmental Progress & Sustainable Energy Vol. 33 (1), pp. 28-37, 2014	10.1002/ep.1741	1.672
5	Adsorption isotherms, kinetics and mechanism of Pb(II) ions removal from aqueous solution using chemically modified agricultural waste	P. Senthil Kumar, C. Senthamarai, A.S.L. Sai Deepthi, R. Bharani	The Canadian Journal of Chemical Engineering Vol. 91, pp. 1950-1956, 2013	10.1002/cjce.21784	1.356
6	Adsorption of basic dye onto raw and surface modified agricultural waste	P. Senthil Kumar, M. Palaniyappan, M. Priyadharshini, A.M. Vignesh, A. Thanjiappan, P. Sebastina Anne Fernando, R. Tanvir Ahmed, R. Srinath	Environmental Progress & Sustainable Energy Vol. 33 (1), pp. 87-98, 2014	10.1002/ep.1756	1.672
7	Adsorption of Cu(II), Cd(II) and Ni(II) ions from aqueous solution by unmodified <i>Strychnos potatorum</i> seeds	P. Senthil Kumar, A.S.L. Sai Deepthi, R. Bharani, C. Prabhakaran	European Journal of Environmental and Civil Engineering Vol. 17 (4), pp. 293-314, 2013	10.1080/19648189.2013.785983	0.897
8	Adsorption of dye onto raw and surface modified tamarind seeds: Isotherms, Process Design, Kinetics, and Mechanism	P. Senthil Kumar, R. Sivaranjane, U. Vinothini, M. Raghavi, K. Rajasekar, K. Ramakrishnan	Desalination and Water Treatment Vol. 52 (13-15), pp. 2620-2633, 2014	10.1080/19443994.2013.792016	1.631
9	Effect of temperature on the adsorption of methylene blue dye onto the sulphuric acid treated orange peel	P. Senthil Kumar, P. Sebastina Anne Fernando, R. Tanvir Ahmed, R. Srinath, M. Priyadharshini, A.M. Vignesh, A. Thanjiappan	Chemical Engineering Communications Vol. 201, pp. 1526-1547, 2014	10.1080/00986445.2013.819352	1.297

10	A new electrode reactor with in-built recirculation mode for the enhancement of methylene blue dye removal from the aqueous solution: comparison of adsorption, electrolysis and combined effect	P. Senthil Kumar*, S. Maria Jacob Stani Raja, K. Mahathevan, L. Dinesh Kumar, C. Prabhakaran	Korean Journal of Chemical Engineering Vol.31 (2), pp. 276-283, 2014	10.1007/s11814-013-0209-2	2.007
11	Experimental Study to enhance the thermal conductivity of nanofluid	B.Chitra, K.SathishKumar, D.Manoj, S.Mohan Kumar	Research Journal of Engineering and Technology, Vol. 4(4), pp. 272-278, 2013	----	-----
12	Comparative Drug Release Studies of 5-Fluorouracil and 6-Thioguanine Entrapped in Peg-Co-Pla/Gold Nanocapsules	K. Sathishkumar, K. Rajasekar, P.P.Selvam, Sai Madhusudhanan	Chemical Science Review and Letters, Vol. 2 (5), pp. 363-368, 2014	----	-----

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1	Removal and recovery Ni(II) ions from synthetic wastewater using surface modified <i>Strychnos potatorum</i> seeds: Experimental optimization and Mechanism	K. Anbalagan, P. Senthil Kumar, K. Sangita Gayatri, S. Shahul Hameed, M. Sindhuja, C. Prabhakaran, R. Karthikeyan	Desalination and Water Treatment, Vol. 53 (1), pp. 171-182, 2015	10.1080/19443994.2013.837008	1.631
2	<i>Sargassum wightii</i> , a marine algae is the source for the production of algal oil, bio-oil and application in the dye wastewater treatment	P. Senthil Kumar*, J. Pavithra, S. Suriya, M. Ramesh, K. Anish Kumar	Desalination and Water Treatment, Vol.55 (5), pp. 1342-1358, 2015	10.1080/19443994.2014.924032	1.631

3	Characteristics of thermodynamic, isotherm, kinetic, mechanism and design equations for the analysis of adsorption in Cd(II) ions – surface modified Eucalyptus seeds system	U. Pearlin Kiruba, P. Senthil Kumar*, C. Prabhakaran, V. Aditya	Journal of Taiwan Institute of Chemical Engineers, Vol.45, pp. 2957-2968, 2014	10.1016/j.jtice.2014.08.016	4.217
4	Adsorption kinetic, equilibrium and thermodynamic investigations of Zn(II) and Ni(II) ions removal by poly(azomethine thio amide) resin with pendent chloro-benzylidene ring	P. Senthil Kumar*, H. Ethiraj, Anitha Venkat, N. Deepika, S. Nivedha, T. Vidhyadevi, L. Ravikumar, S. Sivanesan	Polish Journal of Chemical Technology, Vol. 17 (3), pp. 29-38, 2015	10.1515/pjct-2015-0057	0.725
5	Biosynthesis of silver nanoparticles using Garcinia mangostana fruit extract and their antibacterial, antioxidant activity	R. Subashini, S. Sruthi, P. Sindhuja, S. Santhini, D. Gnanaprakash	International Journal of Current Microbiology and Applied Sciences, Vol. 4(1), pp. 944-952, 2015	----	----
6	Optimization of parameters for dye removal by electro-oxidation using Taguchi Design	M. Nandhini, B. Suchithra, R. Saravanathamizhan, D. Gnanaprakash,	Journal of Electrochemical Science and Engineering, Vol. 4(4), pp. 227-234, 2014	10.5599/jese.2014.0056	----
7	Hydrotropic extraction of xanthenes from mangosteen pericarp	D. Gnanaprakash, P. Pradeep, Sai Madhusudan, V. Aditya	Advanced Materials Research, Vol. 984-985, pp. 372-376, 2014	10.4028/www.scientific.net/AMR.984-985.372	----

2015-2016

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1	Study of adsorption kinetic, mechanism, isotherm,	U. Pearlin Kiruba, P. Senthil Kumar*, K. Sangita Gayatri,	Desalination and Water Treatment Vol.56 (11), pp. 2948-	10.1080/19443994.2014.966279	1.631

	thermodynamic and design models for Cu(II) ions on sulphuric acid modified Eucalyptus seeds: Temperature effect	S. Shahul Hameed, M. Sindhuja, C. Prabhakaran	2965, 2015		
2	Enhanced photocatalytic decolorization of reactive red by sonocatalysis using TiO ₂ catalyst: Factorial design of experiments	V. Mathivanan, S. Geetha Manjari, R. Ineya, R.Saravanathamizhan P. Senthil Kumar, K. Ramakrishnan	Desalination and Water Treatment Vol. 57 (15), pp. 7120-7129, 2016	10.1080/19443994.2014.983182	1.631
3	Experimental study on parameter estimation and mechanism for the removal of turbidity from groundwater and synthetic water using <i>Moringa oleifera</i> seed powder	P. Senthil Kumar, V.M. Centhil, R. Kameshwari, M. Palaniyappan, V. Durga Kalaivani, K. Grace Pavithra	Desalination and Water Treatment Vol. 57 (12), pp. 5488-5497, 2016	10.1080/19443994.2014.1003977	1.631
4	Study of adsorption of Cu(II) ions from aqueous solution by surface-modified Eucalyptus globulus seeds in a fixed-bed column: experimental optimization and mathematical modeling	P. Senthil Kumar, A.S.L. Sai Deepthi, R. Bharani, G. Rakkesh	Research on Chemical Intermediates Vol.41 (11), pp. 8681-8698, 2015	10.1007/s1164-015-1921-9	1.639
5	Feasibilities of using Power Ultrasound and Microwave Treatment in Reducing CO ₂ Capture Energy Demand	V. Nandhini, B. Suchitra, R. Surendiran, J. Dhanalakshmi, B. Ambedkar	International Journal of Advanced Technology in Engineering and Science Vol. 3(1), pp. 711-716, 2015	----	----
6	Ultrasonic assisted activated biomass (fishtail palm <i>Caryota urens</i> seeds) for the sequestration of	A. Saravanan, P. Senthil Kumar, R. Mugilan	Research on Chemical Intermediates Vol. 42, pp. 3117-3146, 2016	10.1007/s1164-015-2201-4	1.639

	copper ions from the wastewater				
7	Removal of toxic zinc from water / wastewater using eucalyptus seeds activated carbon: Non-linear regression analysis	P. Senthil Kumar*, A. Saravanan, K. Anish Kumar, R. Yashwanth, S. Visvesh	IET Nanobiotechnology Vo.10 (4), pp. 244-253, 2016	10.1049/iet-nbt.2015.0087	1.50
8	Characterization of terephthalic acid monomer recycled from post-consumer PET polymer bottles	Sankaranarayanan Ayyakudi Ravichandran, Vignesh Pernamallur Rajan, Pritham Velamur Aravind, A. Seenivasan, D. Gnana Prakash, K.Ramakrishnan	Macromolecular Symposia, Vol. 361, pp. 30 -33, 2016	10.1002/mas y.201400269	----
9	Multi walled carbon nanotubes for desalination: performance evaluation and comparative studies	Pradeep Panneerselvam, Pritham Velamur Aravind, Sai Madhusudanan, K.R. Rohit Narayanan, S. Siddarth, R. Pavan Kumar, K. Sathish Kumar	International Journal of Innovation and Scientific Research Vol. 23 (1), pp. 226-232, 2016	----	----

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1	Prediction and interpretation of adsorption parameters for the sequestration of methylene blue dye from aqueous solution using microwave assisted corncob activated carbon	V. Tharaneedharan, P. Senthil Kumar, A. Saravanan, C. Ravikumar, V. Jaikumar	Sustainable Materials and Technologies, Vol. 11, pp. 1-11, 2017	10.1016/j.susmat.2016.11.001	----

2	Effect of pH, inoculum dose and initial dye concentration on the removal of azo dye mixture under aerobic conditions	Jagannathan Krishnan, Anthony Arvind Kishore, Athreya Suresh, B. Madhumeetha, D. Gnana Prakash	International Biodeterioration & Biodegradation, Vol. 119, pp. 16-27 2017	10.1016/j.ibio d.2016.11.024	2.962
3	Sequestration of Pb(II) and Ni(II) ions from aqueous solution using microalga <i>Rhizoclonium hookeri</i> : Adsorption thermodynamics, kinetics and equilibrium studies	S. Suganya, A. Saravanan, P.Senthil Kumar*, M.Yashwanthraj, P. Sundar rajan, K. Kayalvizhi	Journal of Water Reuse and Desalination Vol. 7, pp. 214-227, 2017	10.2166/wrd.2 016.200	0.686
4	Nano scale zero-valent iron impregnated agricultural waste as an effective biosorbent for the removal of heavy metal ions from wastewater	P. Senthil Kumar*, A. Saravanan, P. Sundar rajan, M.Yashwanthraj	Textiles and Clothing Sustainability Vol. 2 (3), pp. 1-11, 2016	10.1186/s406 89-016-0014-5	---
5	Influence of ultrasonication on preparation of novel material for heavy metal removal from water/wastewater	A. Saravanan, P. Senthil Kumar*, P. Sundar rajan, Abhishek S Narayan, Abhishek Dutta	Korean Journal of Chemical Engineering Vol. 33 (9), pp. 2716-2731, 2016	10.1007/s118 14-016-0109-3	2.007
6	Ultrasonic modified corn pith for the sequestration of dye from aqueous solution	R. Jothirani, P. Senthil Kumar*, A. Saravanan, Abhishek S Narayan, Abhishek Dutta	Journal of Industrial and Engineering Chemistry Vol. 39, pp. 162-175, 2016	10.1016/j.jiec. 2016.05.024	4.421
7	Removal of turbidity from washing machine discharge using <i>Strychnos Potatorum</i> seeds: Parameter optimization and mechanism prediction	P. Senthil Kumar* K.N. Vaibhav, Shiv Rekhi, Akshay Thyagarajan	Resource Efficient Technologies, Vol. 2, pp. S171-S176 2016	10.1016/j.reffi t.2016.09.006	---

8	Surface adsorption of poisonous Pb(II) ions from water using chitosan functionalized magnetic nanoparticles	C. Femina Carolin, A. Saravanan, P. Senthil Kumar*, P. Sundar Rajan, V. Vinoth Kumar	IET Nanobiotechnology Vol. 11 (4), pp. 433-442, 2017	10.1049/iet-nbt.2016.0166	1.50
9	Experimental investigation on rice husk ash as cement replacement on concrete production	Josephin Alex, J. Dhanalakshmi, B. Ambedkar	Construction and Building Materials Vol. 127, pp. 353–362 2016	10.1016/j.conbuildmat.2016.09.150	3.169
10	A novel nano-sized calcium hydroxide catalyst prepared from clam shells for the photodegradation of methyl red dye	R. Badri Narayan, R. Goutham, B. Srikanth, K.P. Gopinath	Journal of Environmental Chemical Engineering (Article in press) 2016	10.1016/j.jece.2016.12.004	---
11	Microwave assisted fast pyrolysis of corn cob, corn stover, saw dust and rice straw: Experimental investigation on bio-oil yield and high heating values	C. Ravikumar*, P. Senthil Kumar*, S.K. Subhashni , P.V.Tejaswini, V.Varshini	Sustainable Materials and Technologies Vol.11, pp. 19-27 2017	10.1016/j.susmat.2016.12.003	---
12	Computation of adsorption parameters for the removal of dye from wastewater by microwave assisted sawdust: Theoretical and experimental analysis	S. Suganya, P. Senthil Kumar*, A. Saravanan, P. Sundar Rajan, C. Ravikumar	Environmental Toxicology and Pharmacology Vol.50, pp. 45-57 2017	10.1016/j.etap.2017.01.014	2.313

13	A simplified model for evaluating best biodiesel production method: Fuzzy analytic hierarchy process approach	K. Anish Kumar, P. Senthil Kumar*, Sai Madhusudanan, Vignesh Pasupathy, P.R. Vignesh, A. R. Sankaranarayanan	Sustainable Materials and Technologies Vol.12, pp. 18-22 2017	10.1016/j.susmat.2017.03.002	---
14	Screening of novel actinobacteria and characterization of the potential isolates from mangrove sediment of south coastal India	T. Arumugam, P. Senthil Kumar*, R. Kameshwar, K. Prapanchana	Microbial Pathogenesis Vol. 107, pp. 225-233 2017	10.1016/j.micpath.2017.03.035	2.009
15	Sequestration of toxic Cr(VI) ions from industrial wastewater using waste biomass: A review	A. Saravanan, P. Senthil Kumar*, M.Yashwanthraj	Desalination and Water Treatment Vol.68, pp. 245-266 2017	10.5004/dwt.2017.20322	1.631
16	Enhanced adsorption capacity of biomass through ultrasonication for the removal of toxic cadmium ions from aquatic system : Temperature influence on isotherms and kinetics	A. Saravanan, P.Senthil Kumar*, C. Femina Carolin, S. Sivanesan	Journal of Hazardous, Toxic, and Radioactive Waste Vol.21(3), pp. 1-24 2017	10.1061/(ASCE)HZ.2153-5515.0000355	0.74
17	Conversion of waste plastics into low-emissive hydrocarbon fuels through catalytic depolymerisation in a new laboratory scale batch reactor	P. Senthil Kumar*, M. Bharathikumar, C. Prabhakaran, S. Vijayan K. Ramakrishnan	International Journal of Energy and Environmental Engineering Vol.8 (2), pp. 167-173, 2017	10.1007/s40095-015-0167-z	---

18	Enhancement of Mechanical Properties and Durability of the Cement Concrete by RHA as Cement Replacement: Experiments and Modeling	B. Ambedkar, Josephin Alex, J. Dhanalakshmi	Construction & Building Materials, Vol. 148, pp. 167 - 175 2017	10.1016/j.conbuildmat.2017.05.022	3.169
19	Beneficiation of Indian Coals: Process Intensification by Power Ultrasound	A. Joseph Wilson, M. S. Ken Saroven, D. Murugesh, B. Ambedkar*, J. Dhanalakshmi	International Journal of Emerging Research in Management and Technology Vol. 6(4), pp. 156-160 2017	---	---
20	Recent advancements in supporting materials for immobilised photocatalytic applications in waste water treatment	B. Srikanth, R. Goutham, R. Badri Narayan, A. Ramprasath, K.P. Gopinath*, A.R. Sankaranarayanan	Journal of Environmental Management Vol. 200, pp. 60-78 2017	10.1016/j.jenvman.2017.05.063	4.010
21	Efficient Techniques for the Removal of Toxic Heavy Metals from Aquatic Environment: A Review	C. Femina Carolin, P. Senthil Kumar*, G. Janet Joshiba, A. Saravanan, Mu. Naushad	Journal of Environmental Chemical Engineering Vol. 5, pp. 2782-2799 2017	10.1016/j.jece.2017.05.029	----
22	Modelling and analysis of packed bed column for the effective removal of zinc from aqueous solution using dual surface modified biomass	A. Saravanan, P. Senthil kumar*, M. Yaswanthraj	Particulate Science and Technology, (Article in press) pp. 2017	10.1080/02726351.2017.1329243	0.707

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1	Removal of Toxic Cr(VI) ions from Tannery Industrial Wastewater Using a Newly Designed Three-phase Three-dimensional Electrode Reactor	K. Grace Pavithra , P. Senthil Kumar*, C. Femina Carolin , A. Saravanan	Journal of Physics and Chemistry of Solids Vol. 110, pp. 379-385 2017	10.1016/j.jp cs.2017.07. 002	2.059
2	A review on analytical methods and treatment techniques of pharmaceutical wastewater	A. Annam Renita, P. Senthil Kumar*, S. Srinivas , S. Priyadharshini , M. Karthika	Desalination and Water Treatment Vol. 87, pp. 160-178, 2017	10.5004/dw t.2017.2131 1	1.631
3	Photo-Catalytic Degradation of Acid Blue 113 using Doped Zinc oxide (ZnO) Nano-Particles	G. S. Aravind , S. AfalHabeeb , P. T. Mohan Kumar , D. Balaji	International Journal of Modern Science and Technology Vol. 2 (7), pp. 262-266, 2017 ISSN: 2456-0235	---	---
4	Biodegradation Kinetics of Azo Dye Mixture: Substrate Inhibition Modeling	K. Jagannathan, K. Anthony Arvind , S. Athreya , M. Akshay Krishna , V. Jaikumar	Research Journal of Pharmaceutical, Biological and Chemical Sciences , 8(3S), pp.365-375 (2017)	---	---
5	Sources and impacts of pharmaceutical components in wastewater and its treatment process: A Review	K.Grace Pavithra , P. Senthil Kumar*, P.Sundar Rajan , A. Saravanan, Mu. Naushad	Korean Journal of Chemical Engineering Vol. 34, pp. 2787-2805, 2017	10.1007/s1 1814-017- 0255-2	2.007
6	Isolation, Structure elucidation and anticancer activity from <i>Brevibacillus brevis</i> EGS 9 that combats Multi Drug Resistant	T. Arumugam, P. Senthil Kumar* R.V. Hemavathy, V. Swetha , R. Karishma Sri	Microbial Pathogenesis Vol. 115, pp. 146-153 2018	10.1016/j.m icpath.2017. 12.061	2.009

	actinobacteria				
7	Nano-Zero Valent Iron Impregnated Cashew Nut Shell: A Solution to Heavy Metal Contaminated Water / Wastewater	P. Senthil Kumar*, Akshaya S Nair, R. Ananya, A. Saravanan	IET Nanobiotechnology (Accepted for publication) pp. 2018	10.1049/iet-nbt.2017.0264	1.50
8	Theoretical and experimental investigation on the removal of oil spill by selective sorbents	N. Pavithra, R. Abhaiguru, U. Avinash, D. Gnana Prakash, P. Senthil Kumar*	Journal of Industrial and Engineering Chemistry (Article in press) 2018	10.1016/j.jiec.2018.01.031	4.421
9	Experimental Investigation on Bisphenol A and its Leaching Properties in Various Repositories: Real Time Analysis	V. Vishal, P. Senthil Kumar*, V. Prasanna, B. Sudhan	Desalination and Water Treatment (Accepted for publication) pp. 2018		1.631
10	Comparison of experimental and calculated thermophysical properties of alumina/cupric oxide hybrid nanofluids	K.Sathishkumar, B.Chitra, Abhaiguru, Avinash, Tiju Thomas, Sneha Satjyan	Journal of Molecular Liquids, Vol. 244, pp. 469-477, 2017	10.1016/j.molliq.2017.09.035	3.648
11	Potential applications of ionic liquids (IL) for the treatment of synthetic turbid water (STW)	S. S. Judith Emiliah, B. Ambedkar, R. Aanantharaj, J. Dhanalakshmi	Journal of Molecular Liquid Vol. 256, pp. 121 -126, 2018	10.1016/j.molliq.2018.02.030	3.648
12	Studies on influence of process parameters on hydrothermal catalytic liquefaction of microalgae (Chlorella)	J. Arun S. J. Shreekanth R. Sahana M. S. Raghavi K. P. Gopinath D. Gnana Prakash	Bioresource Technology, Vol. 244, pp 963-968, 2017	10.1016/j.biortech.2017.08.048	5.651

	vulgaris) biomass grown in wastewater				
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