

Department of Chemical Engineering
SSN College of Engineering, Chennai

List of Faculty Conference Publications

2012-2013

Sl. No.	Title of papers	Author(s)	Name of Conference proceedings and year of publication
1	Removal of Pb(II) ions from aqueous solution by sulphuric acid treated tamarind seed powders	P. Senthil Kumar	International Conference on Young Researchers on Advanced Materials, July 1-6, 2012 Singapore
2	Adsorption equilibrium, process design, kinetics, mechanism, and thermodynamics of basic dye onto the surface modified mango seed powder	P. Senthil Kumar	International Conference on Young Researchers on Advanced Materials, July 1-6, 2012 Singapore
3	Adsorption of methylene blue dye onto the activated carbon derived from agricultural waste: Non-linear approach	P. Senthil Kumar	International Conference on Young Researchers on Advanced Materials, July 1-6, 2012 Singapore
4	Process optimization studies of dye adsorption onto activated carbon using response surface methodology	P. Senthil Kumar	International Conference on Green Technology in Engineering and Applied Sciences, March 29 – 30, 2013, organized by Adhiparasakthi Engineering College, Melmaruvathur
5	A new three-phase three-dimensional electrochemical reactor – Application in the dye wastewater treatment	P. Senthil Kumar S. Maria Jacob Stani Raja, S. Mahathevan L. Dinesh Kumar	International Conference on Green Technology in Engineering and Applied Sciences, March 29 – 30, 2013, organized by Adhiparasakthi Engineering College, Melmaruvathur

6	Adsorption of basic dye onto the activated carbon derived from orange peel	P. Senthil Kumar R. Gayathri K. Sowmya	International Conference on Green Technology in Engineering and Applied Sciences, March 29 – 30, 2013, organized by Adhiparasakthi Engineering College, Melmaruvathur
7	Adsorption of cadmium ions onto the surface modified agricultural waste	P. Senthil Kumar R. Gayathri K. Sowmya	International Conference on Green Technology in Engineering and Applied Sciences, March 29 – 30, 2013, organized by Adhiparasakthi Engineering College, Melmaruvathur
8	Removal of metal ions from aqueous solution by low cost adsorbent	P. Senthil Kumar	International Conference on Green Technology in Engineering and Applied Sciences, March 29 – 30, 2013, organized by Adhiparasakthi Engineering College, Melmaruvathur
9	Synthesis and Characterization of CNT Nanofluid for Heat Transfer Applications	P. Senthil Kumar K. Babu	International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences, May 03 – 04, 2013 organized by Siddaganga Institute of Technology, Tumkur
10	Removal of dyes from aqueous solution by low cost adsorbent: Strychnomos potatorum seeds	P. Senthil Kumar	National Conference on Recent Trends in Chemical, Energy and Environmental Engineering, SSNCE, 16 th October 2012
11	Rapid removal of chromium from aqueous solution using surface modified natural waste	P. Senthil Kumar	National Conference on Recent Trends in Chemical, Energy and Environmental Engineering, SSNCE, 16 th October 2012

12	Adsorption of Cu(II) ions from aqueous solution using sulphuric acid treated Eucalyptus seeds	P. Senthil Kumar S. Shahul Hameed M. Sindhuja K. Sangita Gayathri	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
13	Removal of methylene blue dye from synthetic wastewater using surface modified agricultural waste	P. Senthil Kumar S. Shahul Hameed M. Sindhuja K. Sangita Gayathri	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
14	Adsorption of Cu(II), Cd(II), Zn(II) and Ni(II) ions onto the sulphuric acid treated cashew nut shell	P. Senthil Kumar A.S.L. Sai Deepthi R Bharani	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
15	Removal of copper ions from aqueous solution by surface modified agricultural waste	P. Senthil Kumar C. Prabhakaran	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
16	Removal of methylene blue dye from aqueous solution using a three-phase three-dimensional electrochemical reactor	P. Senthil Kumar Maria Jacob Stani Raja K. Mahathevan L. Dinesh Kumar	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
17	Conversion of waste plastic into fuel oils	P. Senthil Kumar M. Bharathikumar H. Ethiraj J. Immanuel	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
18	Removal of turbidity from ground water and synthetic water using moringa oleifera seeds	P. Senthil Kumar R. Gayathri K. Sowmya	National Conference on Recent Advancements in Chemical Engineering (RACE), SSN College of Engineering, Chennai, 26-02-2013
19	Novel low-cost adsorbent from agricultural waste – cashew nut shell for	P. Senthil Kumar R. Gayathri K. Sowmya	National Conference on Recent Advancements in Chemical Engineering

	methylene blue dye removal: optimization by response surface methodology and adsorption kinetic studies		(RACE), SSN College of Engineering, Chennai, 26-02-2013
20	Modelling of adsorption of metal ions onto the surface modified agricultural waste	P. Senthil Kumar A.S.L. Sai Deepthi R. Bharani	DRDO Sponsored National Conference on "Mathematical Modelling in Civil Engineering", Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore, 26, 27-02-2013
21	Adsorption kinetics, mechanism, isotherm and thermodynamic analysis of copper ions onto the surface modified Strychnos potatorum seeds	P. Senthil Kumar C. Prabhakaran	DRDO Sponsored National Conference on "Mathematical Modelling in Civil Engineering", Department of Civil Engineering, Sri Krishna College of Technology, Coimbatore, 26, 27-02-2013
22	Adsorption of metal ions onto the surface modified agricultural waste: Kinetics, Mechanism, Equilibrium, Process Design, and Thermodynamics	P. Senthil Kumar A.S.L. Sai Deepthi R. Bharani	National Conference on Emerging Interdisciplinary Trends of Chemical Technology, Department of Chemical Engineering, Sathyabama University, 21, 22-03-2013
23	Adsorption kinetics, mechanism, isotherm and thermodynamic analysis of copper ions onto the surface agricultural waste	P. Senthil Kumar C. Prabhakaran	National Conference on Emerging Interdisciplinary Trends of Chemical Technology, Department of Chemical Engineering, Sathyabama University, 21, 22-03-2013
24	Nanoparticle as a carrier for effective drug delivery	J.Madhusudhanan K. Sathish Kumar	International conference on Bioengineering-2013 (ICE-2013), Rajalakshmi Engineering College, Thandalam. 2 nd - 4 th Jan-2013

25	Delivery of pDNA as nanoparticle using polycation	J.Madhusudhanan, K. Sathish Kumar , A.Robin, V.A.Veni	International conference on Bioengineering-2013 (ICE-2013), Rajalakshmi Engg. College, Thandalam. 2 nd - 4 th Jan-2013
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1	Decolorization of dye from aqueous solution by electrolytic process, adsorption process and three-phase three-dimensional electrode reactor: A comparison study	P. Senthil Kumar C. Prabhakaran V. Vinoth Kumar	International Conference on Chemical and Bioprocess Engineering – India (ICCBPE-IN, 2013), November 16 – 17, 2013 organized by Department of Chemical Engineering, NIT Warangal
2	Adsorption thermodynamic, isotherm, kinetic, mechanism and design equations for the removal of Cd(II) ions from aqueous solution by surface modified Eucalyptus seeds	P. Senthil Kumar C. Prabhakaran V. Vinoth Kumar	International Conference on Chemical and Bioprocess Engineering – India (ICCBPE-IN, 2013), November 16 – 17, 2013 organized by Department of Chemical Engineering, NIT Warangal
3	Surface engineering of magnetically separable nanoparticles loaded with laccase for efficient decolorization of various structurally different dyes	V. Vinoth Kumar D. Ramya K. Varsha P. Senthil Kumar	International Conference on Chemical and Bioprocess Engineering – India (ICCBPE-IN, 2013), November 16 – 17, 2013 organized by Department of Chemical Engineering, NIT Warangal
4	Recycling of polyethylene terephthalate by de-polymerization via alkaline hydrolysis to yield terephthalic acid	R.Sankaranayanan P.R. Vignesh, D. Gnanaprakash , K. Ramakrishnan , A. Seenivasan	International conference on Recent advancements in Chemical, environmental and Energy engineering, 26-27 th Feb 2014, SSN College of Engineering, Chennai

5	Solid-state fermentation technology- a versatile tool for biological process	Y. Abhishek Rao, V. Arutprahasam, A. Seenivasan	International conference on Recent advancements in Chemical, environmental and Energy engineering, 26-27 th Feb 2014, SSN College of Engineering, Chennai
6	Dynamic response of temperature in a Heated Tank using P, PI, PID controller : Simulation using POLYMATH software tool	V.Nandhini, B.Suchithra, Kilaru Harsha Vardhan , R.Saravanathamizhan	International conference on Recent advancements in Chemical, environmental and Energy engineering, 26-27 th Feb 2014, SSN College of Engineering, Chennai
7	Ultrasound assisted saccharification of lignocellulosic wastes – saw dust and teak wood leaves for the production of bioethanol	T. Sivakumar, P. Senthil Kumar	International conference on Recent advancements in Chemical, environmental and Energy engineering, 26-27 th Feb 2014, SSN College of Engineering, Chennai
8	Production of Biodiesel from microalgae – A review	G. Manikandan, P. Senthil Kumar	International conference on Recent advancements in Chemical, environmental and Energy engineering, 26-27 th Feb 2014, SSN College of Engineering, Chennai
9	Invivo drug delivery for cancer therapy using gold nanoparticle	J.Madhusudhanan K.Sathish Kumar P.Arivazhagi, J.Balavignesh	International conference- ICANMEET-2013, Sathyabama University, Chennai, 24 th – 26 th Jul-2013
10	Delivery of protein using nanoparticle	J.Madhusudhanan K. Sathish Kumar	Third National conference-GENE GENERA-2013, Madha Engineering College, Kundrathur. 13 th – 14 th Sep-2013
11	Invivo drug delivery for cancer therapy using gold	J.Madhusudhanan K.Sathish Kumar	IEEE Xplore digital liobrary-

	nanoparticle	P.Arivazhagi, J.Balavignesh	INSPEC Accession Number:13798209 "Advanced Nanomaterials and Emerging Engineering Technologies (ICANMEET), 2013 International Conference on , vol., no., pp.729,732, 24-26 July 2013 doi: 10.1109/ICANMEET.201 3.6609399" - Published
12	Green Synthesis of Silver Nanoparticles using Embelia ribes	D. Gnana Prakash , D. Manikandan, G. Rajasekhar Reddy and N. Nagendra Gandhi,	International Conference on Emerging Trends in Chemical Sciences 2013 (IETC 2013) held at VIT University, Vellore- 632014, Tamil Nadu, India on December 5-7, 2013
13	Hydrotropic Extraction of Xanthones from Mangosteen Pericarp	D.Gnana Prakash Pradeep Panneerselvam Sai Madhusudanan V. Aditya	International Conference on Recent Advancement in Mechanical Engineering and Interdisciplinary Development, 7 th – 8 th March

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1	Experimental optimization for the adsorption of Zn(II) ions on surface modified Eucalyptus seeds: kinetic, mechanism, isotherm, thermodynamic and design approach	P. Senthil Kumar	International Conference on Green Technology for Environmental Pollution Prevention and Control, 27 – 29 th September 2014, Organized by Department of Chemical Engineering, NIT Trichy.
2	Conversion of waste plastics into low-emissive hydrocarbon fuels through catalytic depolymerisation	P. Senthil Kumar , C. Prabhakaran, M.Bharathikumar, K. Anish Kumar	International Conference on Green Technology for Environmental Pollution Prevention and Control,

	in a laboratory scale batch reactor	K. Ramakrishnan	27 – 29 th September 2014, Organized by Department of Chemical Engineering, NIT Trichy.
3	Potential of nano-zero valent iron impregnated cashew nut shell for congo red dye removal from aqueous solution: Application of different adsorption isotherms and thermodynamic studies for congo red dye adsorption	D. Prabu, P. Senthil Kumar , R. Parthiban	International Conference on Green Technology for Environmental Pollution Prevention and Control, 27 – 29 th September 2014, Organized by Department of Chemical Engineering, NIT Trichy.
4	Novel Adsorbent from Agricultural Waste-Cashew Nut Shell for Methylene Blue Dye Removal: Optimization By Response Surface Methodology	P. Senthil Kumar , S. Ramalingam	14AIChE, Annual Meeting, Atlanta, GA, 16-21 November 2014
5	Application of Sargassum wightii: A marine algae in wastewater treatment	P. Senthil Kumar R. Kameshwar K. Prapanchana	National Conference on Advances in Process Engineering (CAPE – 2014), SASTRA University, 10-11 th October 2014
6	Adsorption of copper ions onto the surface modified Strychnos potatorum seeds as a new low cost adsorbent	P. Senthil Kumar Ritu Treisa Philip T. Sengavi R. Amalyasia	National Conference on Advances in Process Engineering (CAPE – 2014), SASTRA University, 10-11 th October 2014
7	Bioethanol from red algae: <i>Kappaphycusal varezii</i>	T. Sivakumar S. Vigneswari P. Senthil Kumar	1 st One Day National Conference on Clean Technology for Sustainable Environment (CTSE), SSN College of Engineering, Chennai, 05-12-2014
8	Dual approach: bioremediation and biofuel from algae-a review	G. Manikandan P. Senthil Kumar	1 st One Day National Conference on Clean Technology for Sustainable Environment (CTSE), SSN College of Engineering, Chennai, 05-12-2014

9	Characterization of Terephthalic acid Recycled from Post-Consumer PET Polymer Bottles	R.Sankaranayanan A. Seenivasan D. Gnana Prakash K. Ramakrishnan	Third International Conference on Polymer processing and Characterization, International and Inter University Centre for Nanoscience and Nanotechnology, Mahatama Gandhi University, Kottayam, Kerala. 11-13 October 2014
10	Application of Nano Biocalcite in concrete remediation	K. Sathish Kumar	4th International conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World (23rd & 24th Feb 2015)

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1	Synthesis, characterization and application of nano scale zero-valent iron impregnated biomass towards the removal of copper ions from wastewater	P. Senthil Kumar A. Saravanan	International Conference on Nanomaterials and Nanotechnology (NANO-15) organized by Centre For Nanoscience and Technology, K.S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India In Association World Class University (WCU), GIST, South Korea, 07-12-2015 to 10-12-2015
2	Nano scale zero-valent iron impregnated agricultural waste as an effective biosorbent for the removal of heavy metal ions from	P. Senthil Kumar A. Saravanan	International Conference on Advances in Functional, Smart and Innovative Textiles organized by PSG IAS,

	wastewater		Coimbatore, India, 10-12-2015 to 12-12-2015
3	Removal of heavy metal ions from aqueous environment using chitosan magnetic nanoparticles	G. Jane Joshiba, A. Saravanan P. Senthil Kumar	5th International Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World, organized by Vivekanandha College of Engineering for Women, Tiruchengode, 18-02-2016 to 19-02-2016
4	Removal of toxic pollutants from industrial tannery wastewater using fluidized type electrode reactor	K Grace Pavithra, P. Senthil Kumar	5th International Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World, organized by Vivekanandha College of Engineering for Women, Tiruchengode, 18-02-2016 to 19-02-2016
5	Application of photocatalysis in the specific and effective treatment of textile dye wastewater	Durga Kalaivani, P. Senthil Kumar	5th International Conference on Technology Development on Agriculture, Energy and Environmental Engineering for Green World, organized by Vivekanandha College of Engineering for Women, Tiruchengode, 18-02-2016 to 19-02-2016
6	Enhanced Removal Of Pb(II) Ions From Wastewater Using Magnetic Nano-Particles Derived From Chitosan: Characterization, Isotherm, Kinetic And Thermodynamic Studies	P. Senthil Kumar, A.Saravanan, P.Sundar rajan, V.Vinoth Kumar	International Conference on Energy, Environment & Engineering (ICEEE 2016), Organized by Department of Chemistry & Mechanical Engineering, Coimbatore Institute of Technology, 29-02-2016 to 02-03-2016

7	Microwave assisted corn cob activated carbon for the removal of methylene blue dye from aqueous solution	V. Jaikumar, P. Senthil Kumar V. Tharaneethar	International Conference on Advances in Bio Technology, Civil & Mechanical Science – ICABCMS'16, Selvam College of Technology, 17-18 th March 2016
8	Adsorption of heavy metal ions from wastewater using activated carbon prepared from fishtail palm <i>Caryota urens</i> seeds: Isotherm, Kinetic and Thermodynamic studies	M.Yashwanthraj, P. Senthil Kumar , A.Saravanan	International Conference on Advances in Bio Technology, Civil & Mechanical Science – ICABCMS'16, Selvam College of Technology, 17-18 th March 2016
9	Enhanced removal of Pb(II) ions using magnetic nanoparticles derived from chitosan: Characterization, isotherm and kinetic studies	P. Senthil Kumar A. Saravanan P. Sundar rajan	National Conference on Applications of Recent Methodologies in Exploring Revolutionary Biopharmaceuticals for Life Style Diseases – A Multidimensional Outlook, Karpaga Vinayaga College of Engineering and Technology, 04-03-2016 & 05-03-2016
10	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	2 nd International Conference on Science, Technology and Management (ICSTM-15), at Delhi University, Conference Centre, New Delhi, 27 th September 2015
11	Potential applications of redox mediators and metabolic uncouplers in environmental research - a critical review	R. Parthiban	TIE Lines - National Level Conference, Pondichery Engineering College 19 March 2016
12	A review on different activating agents for the production of activated carbon from delonix regia fruit pod(Gulmohar tree)	R. Parthiban	TIE Lines - National Level Conference, Pondichery Engineering College 19 March 2016

13	Heat dissipation in CPU with CFD simulation - review	R. Parthiban	TIE Lines - National Level Conference, Pondichery Engineering College 19 March 2016
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1	Removal of methylene blue dye from wastewater using ultrasonic assisted activated biomass	A. Saravanan, P. Senthil Kumar	5 th International Conference on Sustainable Utilization of Tropical Plant Biomass: Bioproducts, Biocatalysts & Biorefinery (SutB4), Department of Agricultural Microbiology, Tamil Nadu Agricultural University, Coimbatore, 17-18 th November 2016
2	A study on effect of different bulking agents on composting of mixed organic waste (vegetable and food waste) of MSW	S. Suganya P. Senthil Kumar	National Conference on Sustainable Energy and Environment (ChemSEE) Chennai, Sathyabama University, 22 - 23 September, 2016 ISBN: 978-93-83-409-26-6
3	Highly effective removal of heavy metal ions from aqueous solution using surface modified agricultural wastes	A. Saravanan, P. Senthil Kumar	National Conference on Sustainable Energy and Environment (ChemSEE) Chennai, Sathyabama University, 22 - 23-September, 2016 ISBN: 978-93-83-409-26-6
4	Adsorption behaviour of Cr(VI) ions onto spirulina platensis alga: parameter optimization, equilibrium, kinetic and thermodynamic predictions	E.Gunasundari, P. Senthil Kumar	National Conference on Sustainable Energy and Environment (ChemSEE) Chennai, Sathyabama University, 22 - 23-September, 2016 ISBN: 978-93-83-409-26-

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5	Removal of Heavy Metal Ions from Wastewater Using Ultrasonic Assisted Agricultural Waste	A. Saravanan, P. Senthil Kumar R. Parthiban	National Conference On Technologies To Eradicate And Control Industrial Pollution [TECIP-2016], Annamalai University, 21-22 October 2016
6	Efficient Removal of Pb(II) Metal Ions from Waste Water Using Chitosan Magnetic Nano Particles	G. Janet Joshiba, A. Saravanan, P. Senthil Kumar	National Conference On Technologies To Eradicate And Control Industrial Pollution [TECIP-2016], Annamalai University, 21-22 October 2016
7	Bio-Oil Production by Hydrothermal Liquefaction of Algal Biomass Grown in Wastewater Using Bubble Column Photo Bioreactor	C. Femina Carolin, P. Senthil Kumar	National Conference On Technologies To Eradicate And Control Industrial Pollution [TECIP-2016], Annamalai University, 21-22 October 2016
8	Study on removal of chromium from aqueous solution by adsorption on <i>Spirulina platensis</i> Alga	E.Gunasundari, P. Senthil Kumar	3 rd SRESA National Conference on Reliability and Safety Engineering, SSN College of Engineering, 01-03 December 2016
9	Prediction and interpretation of adsorption parameters for the sequestration of methylene blue dye from aqueous solution using microwave assisted corncob activated carbon	A. Saravanan, P. Senthil Kumar	3 rd SRESA National Conference on Reliability and Safety Engineering, SSN College of Engineering, 01-03 December 2016
10	Adsorption isotherm, kinetics and thermodynamic analysis of Cu(II) ions onto ultrasonic assisted <i>Spirulina platensis</i>	E.Gunasundari, P. Senthil Kumar	3 rd SRESA National Conference on Reliability and Safety Engineering, SSN College of Engineering, 01-03 December 2016
11	Alternative Cementitious Material for Sustainable	Josephin Alex, J. Dhanalakshmi,	SESTEC-2016, IIT Guwahati, INDIA, 17 - 20

	Development	B. Ambedkar* , R. Anantharaj	May 2016
12	Experimental Investigation on Natural Coagulant for the Treatment of Turbid Water	S.S. Judith Emilian Christy, B. Ambedkar* , R. Anantharaj, J. Dhanalakshmi	SESTEC-2016, IIT Guwahati, INDIA, 17 - 20 May 2016
13	Radical Scavenging and Anti-Apoptotic Activity of Chlorella Pyrenoidosa against MT – 29 Cell Line	D. Gnana Prakash , K.P. Gopinath , J. Arun	International Conference on Sustainable Utilization of Tropical Plant Biomass: Bioproducts, Biocatalysts and Biorefinery, Tamil Nadu Agricultural University, Coimbatore. 17 - 18 November 2016
14	Treatment of municipal waste water in a novel hybrid loop air lift photo bioreactor using microalgae Scenedesmus abundans and hydrothermal liquefaction of biomass to produce bio-oil	K.P.Gopinath , R.Sundar Rajan, Femina Carolin, D.Gnanaprakash	International Conference on Sustainable Utilization of Tropical Plant Biomass: Bioproducts, Biocatalysts and Biorefinery, Tamil Nadu Agricultural University, Coimbatore. 17 - 18 November 2016
15	Effects of agitation intensity on metabolic heat in Biological Real Time Calorimeter (BioRTCal) and product formation of Aspergillus tamaritii by submerged fermentation	D. Balaji , M. Surianarayanan	13th International Conference on Science, Engineering and Technology (SET), 7 - 8 November 2016, VIT University
16	Rust Converting Coating Technology: A Review	H. Dawood Ansari, D. Balaji	International Symposium on Advances in Electrochemical Science and Technology, 8 - 10, December 2016, Hotel Kohinoor Asiana, Chennai
17	Addition of Rice Husk Ash as Supplementary Cementitious Material (SCM) in Concrete for Sustainable Development	Josephin Alex, J. Dhanalakshmi, B. Ambedkar* and R. Anantharaj,	International conference on RACEEE 2017, 23 & 24th February 2017 at SSNCE Chennai - 603110, Tamilnadu, India.

18	Treatment of Synthetic Turbid Water using Tamarind seeds at atmospheric conditions	Judith Emlliah Christy S S, R. Anantharaj, B. Ambedkar* and J. Dhanalakshmi	International conference on RACEEE 2017, 23 & 24th February 2017 at SSNCE Chennai
19	Prediction of salting coefficient for Acetone-Methanol-Salt System using Scaled Particle Theory	Deepak Kumar B, Aravind S, Ayyappan S, J. Dhanalakshmi* and B. Ambedkar	International conference on RACEEE 2017, 23 & 24th February 2017 at SSNCE Chennai
20	Enhance removal of heavy metal ions from aqueous solution using surface modified <i>Caryota urens</i> seeds	A. Saravanan, P. Senthil Kumar	International Conference on Adaptive Technologies for Sustainable Growth, Paavai Engineering College, 17-18 March 2017
21	Removal of copper (II) metal ions from aqueous solution by using algal biomass	E. Gunasundari, P. Senthil Kumar	International Conference on Adaptive Technologies for Sustainable Growth, Paavai Engineering College, 17-18 March 2017

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1	Enhancement of heat transfer rate using Hybrid Nanofluids – A Review	Chitra Boobalan, Parthiban Rangasamy, Sainiwetha Saikrishnan, Solai Natarajan	32 nd Indian Engineering Congress, The Institution of Engineers (India), ISBN: 978-93-86724-29-8, 2017
2	Volumetric Behavior of Mixed Ionic Liquids at Different Temperatures (293.15 to 343.15) K	M Danish John Paul, N Shruthi, R. Anantharaj	Advances in Chemical Engineering for the Development of Agriculture, Energy and Environment, 2018.
3	Thermodynamic properties of Deep Eutectic Solvent and Ionic Liquids mixture at temperatures from 293.15 K to 343.15 K.	R.S.Achsah., S.Shyam, N.Mayuri,, R. Anantharaj	9th National Conference on Thermo – Physical Properties, 2017

4	Experimental Investigation of Thermodynamic properties of Binary Mixture of Acetic acid + n-Butanol and Acetic acid + Water at Temperature from 293.15 K to 343.15 K.	M Danish John Paul, N Shruthi, R. Anantharaj	9th National Conference on Thermo – Physical Properties, 2017.
5	Ab initio quantum chemical calculations of the interaction between radioactive elements and imidazolium based ionic liquids”	A.V. SaiSaravanan, B. Abishek, R. Anantharaj	9th National Conference on Thermo – Physical Properties, 2017.
6	Sigma Profile of Endocrine Disrupts Compounds and Imidazolium based Cations and Smaller Size & Larger Size Anions: A Quantum Chemical Study.	A.V. Sai Saravanan, B. Abishek, R. Anantharaj,	9th National Conference on Thermo – Physical Properties, 2017.
7	Theoretical Analysis of Ionic Liquids Thermodynamic Properties for CO ₂ Absorption Study	J. Dhanalakshmi* , B. Ambedkar, P. Muthumari, Sai P.S.T	Bioprocessing India 2017 (BPI-2017) at IIT Guwahati from December 9th-11th, 2017.
8	Screening of Ionic Liquids for CO ₂ Capture Process using COSMO-RS Model	J. Dhanalakshmi* , B. Ambedkar, P. Muthumari	Conference on Advances in Catalysis for Energy and Environment (CACEE-2018)' at TIFR, Mumbai during January 10-12, 2018.
9	Effective removal of toxic heavy metal ions from industrial wastewater using surface modified algal biomass (<i>Ulva lactuca</i>)	A. Saravanan, Mathan Muthu, R. Gnanasekar, P. Senthil Kumar P.R. Yaashikaa	32nd Indian Engineering Congress, The Institution of Engineers (India), Kolkata organized at Le Royal Meridian, Chennai, 21-23 December 2017
10	Multifunctionalized Zinc oxide nanocomposite as novel nanoadsorbent for the removal of Selenium (Se) VI ions using aqueous media and its real time analysis on leafy vegetable	G. Padmalaya, B.S. Sreeja, M. Arivanandham, P. Senthil Kumar	International Conference on Recent Trends in Applied Science and Technology (ICRAST - 2017), Centre for Research & Centre for Nanoscience and Technology, Anna University, 8-9

			September 2017
11	Management of dye wastewater using an ultrasonic assisted nanoparticle impregnated activated carbon: Kinetic and isotherm modelling	P. Senthil Kumar Sunita J. Varjani	International Conference on "Emerging Trends in Biotechnology for Waste Conversion (ETBWC)" 2017, CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur & The Biotech Research Society, India, 8-10 October 2017
12	Activated Carbon/Graphene composites as chemical sensors for detection of air toxics	S. Suganya, P. Senthil Kumar Jaya Chandran	International Conference on Nanotechnology : Ideas, Innovations & Initiatives - 2017, IIT Roorkee, 06-08 December 2017
13	Enhanced photocatalytic degradation of acid blue 113 dye by synthesized Ni ²⁺ and Ag ²⁺ doped ZnO nanocatalyst	A. Nagarajan, D. Balaji, P. Senthil Kumar	International Symposium on Nanomaterials for Clean Energy and Health Applications (ISNCHA 2017), Coimbatore Institute of Technology, India and Western Norway University of Applied Sciences, Norway, 6-8 December 2017
14	Isolation, Identification and Molecular Characterization of Heavy metal Resistance in Gram-negative bacteria isolated from industrial effluent	P.R. Yaashikaa, P. Senthil Kumar	International Conference on Bioengineering on Health and Environment, Sathyabama Institute of Science and Technology, Chennai, 8th - 10th January 2018 ISBN: 978-93-83409-40-2
15	Synthesis of a renewable heterogeneous eggshell-coconut pith catalyst for transesterification of waste cooking oil.	Harendra Kumar, A. Annam Renita, P. Senthil Kumar	International Conference on Bioengineering on Health and Environment, Sathyabama Institute of Science and Technology, Chennai, 8th - 10th January 2018

			ISBN: 978-93-83409-40-2
16	Bio-oil production by hydrothermal liquefaction of algal biomass growth in wastewater using bubble column photobioreactor	Femina Carolin C, P. Senthil Kumar	International Conference on Bioengineering on Health and Environment, Sathyabama Institute of Science and Technology, Chennai, 8th - 10th January 2018 ISBN: 978-93-83409-40-2
17	Elimination of toxic lead(II) metal ions from industrial wastewater using chitosan magnetic nanoparticles	G. Janet Joshiba, P. Senthil Kumar	International Conference on Bioengineering on Health and Environment, Sathyabama Institute of Science and Technology, Chennai, 8th - 10th January 2018 ISBN: 978-93-83409-40-2
18	Antibiotic and heavy metal resistance in gram-negative bacteria isolated from textile effluent in Vaniyambadi, India	P.R. Yaashikaa, P. Senthil Kumar	International Conference on Energy, Environment and Industrial Safety (ICEEIS), Department of Applied Science and Technology, Anna University, 22-23 February 2018 ISBN: 978-93-5291-459-3
19	Fluidized type electrode reactor (FTER) for the removal of toxic Cr(VI) ions from real tannery industrial wastewater	K. Grace Pavithra, P. Sundar Rajan, P. Senthil Kumar , V. Jaikumar	International Conference on Energy, Environment and Industrial Safety (ICEEIS), Department of Applied Science and Technology, Anna University, 22-23 February 2018 ISBN: 978-93-5291-459-3
20	Molecular characterization of heavy metal resistance in gram-negative bacteria isolated from textile effluent in Vellore, India	P.R. Yaashikaa, P. Senthil Kumar , A. Saravanan	First International Conference on Energy and Environment: Global Challenges (ICEE 2018), Department of Chemical

			Engineering, NIT Calicut, 9-10 March 2018
21	Three-phase three-dimensional electrode reactor for the removal of toxic Cr(VI) ions from real tannery industrial wastewater	K. Grace Pavithra, P. Senthil Kumar , V. Jaikumar, P. Sundar Rajan, J. Arun	First International Conference on Energy and Environment: Global Challenges (ICEE 2018), Department of Chemical Engineering, NIT Calicut, 9-10 March 2018
22	Eco-friendly biocatalyst immobilized onto activated carbon obtained from agricultural waste	S. Suganya, P. Senthil Kumar , Manojit De	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018), Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
23	Bioremediation of heavy metals using gram-negative bacteria isolated from industrial effluent	P.R. Yaashikaa, P. Senthil Kumar ,	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018), Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
24	Application of enzymatic treatment on industrial wastewater	Femina Carolin C, P. Senthil Kumar	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018), Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
25	Cr(VI) removal from tannery industrial wastewater using Fluidized Type Electrode Reactor (FTER)	K. Grace Pavithra, V. Jaikumar, P. Senthil Kumar	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018),

			Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
26	Application of Nano biotechnology in wastewater treatment	G. Janet Joshiba, P. Senthil Kumar	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018), Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
27	Analysis of Vehicular Emission on Environment to Predict the Mitigation Measures: A Case Study on OMR, Chennai	M.S. Arun Karthik, P. Senthil Kumar	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018), Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
28	Studies on phytochemical screening, antioxidant activity and extraction active compound (2-hydroxy 4-methoxy benzaldehyde) from rhizome extract of Decalepis hamiltonii wight and arn	Femina Carolin C, G. Janet Joshiba, P. Senthil Kumar	3 rd International Conference on Recent Advancements In Chemical, Environmental & Energy Engineering (RACEEE 2018), Department of Chemical Engineering, SSN College of Engineering, 15-16 February 2018
29	Bioremediation of bulk drug manufacturing industry effluent using microbial consortium	Shabnam Murshid D. Gnana Prakash	International Conference on Bioprocessing, 2-7 Dec, 2017
30	Downstream processing for liquid biofuel production from oleaginous microalgae feedstock cultivated in Hybrid Loop Airlift Photobioreactor (HILALPBR)	P. Sundar Rajan C. Femina Carolin K.P. Gopinath D. Gnana Prakash K. Grace Pavithra K. Pavendan	International Conference on Energy and Environment: Global Challenges, 9-10 March, 2018

31	Energy harvesting of hybrid seawater activated batteries	G. Nithya Sivakami V.T.Perarasu D. Gnana Prakash S. Sakthivel Murugan	International Conference on Recent Trends in Analytical Chemistry, 15-17 March, 2018
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