

### Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

Dr. S. T. Ramesh received his Bachelor of Engineering in Civil Engineering from the Government College of Technology, Coimbatore in 1998. He holds M.E. degree in Environmental Engineering from Government College of Technology, Coimbatore. He received his Ph.D. degree from Environmental and Water Resources Engineering Division, Department of Civil Engineering, Indian Institute of Technology Madras, Chennai in 2006. He started his academic career at National Institute of Technology, Tiruchirappalli in 2006 where he served as a Lecturer, Assistant Professor and eventually Associate Professor. Over his academic career at NIT, Tiruchirappalli, he has developed a number of courses at the B.Tech., M.Tech. and Ph.D. levels. He has graduated 2 Ph.D. students and is currently advising 4 Ph.D. students. His research interests include Water treatment for domestic and industrial use, Domestic & Industrial Wastewater Treatment, Biodegradation of Industrial Wastewater, Biochemical processes in wastewater treatment, Anaerobic Wastewater Treatment, Removal of Heavy Metals from Wastewater, Heavy Metal Removal and Recovery, Solid waste management, Analysis of solid wastes, Sludge treatment by physicochemical and biological process, Monitoring and management of surface water quality, Environmental Impact and Risk Assessment and Management.

His teaching interests include: Environmental Engineering, Physicochemical process for water and wastewater Treatment, Biological process design for wastewater treatment. Dr. S. T. Ramesh has guided more than 45 M.Tech. graduate students to completion. He is a member of the Indian society of Technical Education, Institution of Engineers, Institution of Public health Engineers, Indian Water Works Association, Indian Society of Geomatics, Indian Society of Hydraulics, Indian Water Resources Society. He also serves as the reviewer for a number of journals, including, Clean Technologies and Environmental Policy, International Journal of Green Energy, Int. J. of Environment and Waste Management, Desalination and Water Treatment, Int. J. of Environmental Technology and Management, Separation Science and Technology, Applied Water Science, Water, Air, & Soil Pollution, Toxicological & Environmental Chemistry and Journal of Environmental Management. Dr. S. T. Ramesh is the author or co-author of over Sixty four technical papers published in refereed journals and one hundred and three papers in conference proceedings. He has made a number of original contributions to the state-of-the-art in both academic research and engineering practice through the development of novel water treatment Technologies, as well as the treatment of wastewater. He is currently serving as the Associate Dean (Academic), National Institute of Technology, Tiruchirappalli.

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1.	Name	<b>Dr. S. T. RAMESH</b>
2.	Designation	Associate Professor
3.	Office Address	Department of Civil Engineering National Institute of Technology Tiruchirappalli – 620 015.
4.	Telephone (Optional) Mobile (Optional)	+ 91 431 250 3166 (Direct) + 91 94442 11585
5.	E-mail (Primary) <i>stramesh@nitt.edu</i>	E-mail (Secondary) <i>stramesh@gmail.com</i>
6.	Field(s) of Specialization	Environmental Engineering

### 7. Employment Profile

Job Title	Employer	From	To
Ph.D. Research scholar & Project officer	Indian Institute of Technology Madras, Chennai.	22.07.2002	31.12.2005
Lecturer	National Institute of Technology Tiruchirappalli – 620 015.	03.04.2006	05.11.2008
Assistant Professor	National Institute of Technology Tiruchirappalli – 620 015.	06.11.2008	05.11.2011
Associate Professor	National Institute of Technology Tiruchirappalli – 620 015.	06.11.2011	Till date

### 8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division / Grade	Subjects
Ph.D.	IIT Madras	2002-2005	9.27 (CGPA)	Environmental Engineering
M.E	Bharathiar University	1999-2000	85.17	Environmental Engineering
B.E	Bharathiar University	1994-1998	75.27 (1 <sup>st</sup> Class with Distinction)	Civil Engineering
HSC	State Board	1993-1994	89.9	Maths, Physics, Chemistry, Biology
SSLC	State Board	1990-1991	80	Maths, Science, Social Science

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**9. Academic/Administrative Responsibilities within the University**

<b>Position</b>	<b>Faculty / Department / Centre / Institution</b>	<b>From</b>	<b>To</b>
Associate Dean (Academic)	Institution	24.11,2015	Till date
Associate Dean (Post Graduate Programmes)	Institution	24.07.2009	18.09.2010
Coordinator, M.Tech. (Environmental Engineering)	Department	July 2010	Till date
Member, Institute Accreditation Committee	Institution	2014	Till date
Member, Purchase committee (Rs. 25 Lakhs and above)	Institution	2013	Till date
Member, Implementation Committee for Kakodkar recommendations	Institution	2013	Till date
Member (Environment), Next Generation Smart Camus	Institution	2013	Till date
Deputy Admission Center incharge (AIEEE Admissions)	Institution	2010	2012
Member, Common Admission to M.Tech. Programmes	Institution	2009	2010
Staff Advisor, Festember	Institution	2007	2008
Member, Estate Committee (Hostel Zone)	Institution	2008	2009
Member, Estate Welfare Committee	Institution	2011	2012
Member, APBS / CAS pay anomalies committee	Institution	2011	2013
Member, Management Information System (MIS)	Institution	2014	Till date
Member, Digital Class room and Virtual delivery and effective utilization of IT Tools	Institution	2015	Till date
Member, Technology & Training for housing for all by 2022 (Ministry of Housing & poverty Alleviation)	Institution	2015	Till date
Staff Advisor, Civil Engineering Association	Department	2008	2009
Staff Advisor, Civil Engineering Association	Department	2013	2014
Lab in charge, Environmental Engineering laboratory	Department	2007	2009
Lab in charge. Computational laboratory	Department	2009	2010
Member (Allied), Center for Excellence in Transportation Engineering (CETransE)	Department	2013	Till date

**10. Academic/Administrative Responsibilities outside the University**

Position	Institution	From	To
Doctoral Committee Member	National Institute of Technology, Tiruchirappalli	2008	Till Date
Doctoral Committee Member	Periyar Maniammai University, Tanjavur	2012	Till Date
Doctoral Committee Member	Anna University, Chennai	2008	Till Date
Examiner (to evaluate the Ph.D. Thesis)	Anna University, Chennai	2008	Till Date
Examiner (to evaluate the Ph.D. Thesis)	Jawaharlal Nehru Technological University, Hyderabad	2014	Till date
Member, Inspection Committee	Anna University, Chennai	2015	2016
Member, Board of Studies University Nominee	Adiyaman College of Engineering, Hosur	2011	2014
Member, Board of Studies	Periyar Maniammai University, Tanjavur	2012	Till Date
Member, Board of Studies	Thiyagarajar College of Engineering, Madurai	2014	Till Date
Member, Board of Studies	Government College of Engineering, Salem	2012	2013
Member, Board of Studies	Satyabama University, Chennai	2014	Till date
Member, Board of Studies (Constituent Colleges & Affiliated Colleges (B.E. / Environmental Engineering))	Anna University, Chennai	2016	Till date
Member, Board of Studies (Constituent Colleges & Affiliated Colleges (M.E. / Environmental Engineering))	Anna University, Chennai	2016	Till date
Member, Board of Studies	K.S. Rangasamy College of Technology, Tiruchengode	2015	Till date
Member, Board of Studies	Mahendra College of Engineering, Namakkal	2015	Till date
Member, Staff Selection	Kalasalingam University, Krishnankoil	2016	Till date
Member, Staff Selection	V.V. College of Engineering, Tirunelveli	2013	Till date
Examiner to conduct Viva-voce Examination	Thiyagarajar College of Engineering, Madurai	2013	Till Date

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Examiner to conduct Viva-voce Examination	Alagappa Chettiar College of Engineering and Technology, Karaikudi	2013	Till Date
Examiner to conduct Viva-voce Examination	Coimbatore Institute of Technology, Coimbatore	2014	Till Date
Examiner to conduct Viva-voce Examination	Centre for Environmental Studies, Anna University, Chennai	2014	Till Date
Expert, Academic Audit	Thiyagarajar College of Engineering, Madurai	2013	Till Date
Expert, Academic Audit	PSG College of Technology, Coimbatore	2016	Till Date
Expert, Academic Audit	Kalasalingam University, Krishnankoil	2013	2014
Question Paper Settler	Anna University, Chennai	2010	Till date
Question Paper Settler	Coimbatore Institute of Technology, Coimbatore	2010	Till date
Question Paper Settler	Alagappa Chettiar College of Engineering and Technology, Karaikudi	2010	Till date
Question Paper Settler	Jawaharlal Nehru Technological University, Hyderabad	2013	Till date

#### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
1998	Best Project Award	TNSCST, Chennai
2000	Best Project Award	MS University
2013	Best Paper Award	CECRI, Karaikudi

#### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

#### 13. Details of Academic Work

(i) Curriculum Development

**B.Tech. / Civil Engineering**

**M.Tech. / Environmental Engineering**

**(ii) Courses taught at Postgraduate and Undergraduate levels**

Sl. No.	Subject Code	Name of the Subject	Year	Score
1.	CC101	Energy and Environmental Engineering	2006 – 2007 (odd)	7
2.	CC101	Energy and Environmental Engineering	2007 – 2008 (odd)	8
3.	CC101	Energy and Environmental Engineering	2008 – 2009 (odd)	8.01
4.	CE210	Environmental Engineering-I	2012 – 2013 (odd)	8.3
5.	CE301	Environmental Engineering-II	2009– 2010 (even)	8.6
6.	CE301	Environmental Engineering-II	2010– 2011 (even)	7.9
7.	CE301	Environmental Engineering-II	2012 – 2013 (even)	8.1
8.	CE703	Solid and hazardous waste management	2006 – 2007 (odd)	8.89
9.	CE703	Solid and hazardous waste management	2008 – 2009 (odd)	9.4
10.	CE703	Solid and hazardous waste management	2009 – 2010 (odd)	-
11.	CE703	Solid and hazardous waste management	2010 – 2011 (odd)	9.9
12.	CE703	Solid and hazardous waste management	2011 – 2012 (odd)	9.0
13.	CE703	Solid and hazardous waste management	2012 – 2013 (odd)	8.3
14.	CE703	Solid and hazardous waste management	2013 – 2014 (odd)	-
15.	CE703	Solid and hazardous waste management	2014 – 2015 (odd)	-
16.	CE703	Solid and hazardous waste management	2015 – 2016 (odd)	-
17.	CE772	Physico chemical treatment for water and wastewater	2006 – 2007 (odd)	9.37
18.	CE772	Physico chemical treatment for water and wastewater	2007 – 2008 (odd)	9.44
19.	CE703	Physico chemical treatment for water and wastewater	2013-2014 (odd)	8.5
20.	CE705	Biological process design for wastewater treatment	2006-2007 (even)	9.14
21.	CE705	Biological process design for wastewater treatment	2007-2008 (even)	7.19
22.	CE705	Biological process design for wastewater treatment	2008-2009 (even)	9.1

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23.	CE705	Biological process design for wastewater treatment	2009-2010 (even)	-
24.	CE705	Biological process design for wastewater treatment	2010-2011 (even)	9.4
25.	CE705	Biological process design for wastewater treatment	2011-2012 (even)	9.3
26.	CE705	Biological process design for wastewater treatment	2012-2013 (even)	8.4
27.	CE712	Industrial wastewater Management	2012-2013 (even)	8.6
28.	CE702	Biological process design for wastewater treatment	2013-2014 (even)	8.3
29.	CE617	Environmental Impact Assessment	2006-2007 (even)	9.19
30.	CE617	Environmental Impact Assessment	2007-2008 (even)	8.61
31.	CE617	Environmental Impact Assessment	2008 – 2009 (even)	9
32.	CE617	Environmental Impact Assessment	2009 – 2010 (even)	-
33.	CE617	Environmental Impact Assessment	2010 – 2011 (even)	9.9
34.	CE713	Environmental Impact Assessment	2013 – 2014 (even)	8.5

**(iii) Projects guided at Postgraduate level**

Sl. No	Name of the Thesis	Year
1.	Comparative study of adsorptive behavior of copper and lead on to low cost adsorbents in aqueous solutions	2008
2.	Removal of COD from domestic waste water using cement kiln dust and lime stone powder.	2008
3.	Utilization of industrial solid waste furnace slag in building materials.	2008
4.	Variation of air quality parameters in an urban area – a case study of Tiruchirappalli city	2008
5.	Removal Of Cadmium From Aqueous Solution By Adsorption Using Coir Pith As Adsorbent	2009
6.	Wastewater Treatment With Biomass Attached to Porous Geotextile Baffles	2009
7.	The use of fortified soil-clay as on-site system for domestic wastewater treatment	2009
8.	Removal of copper, zinc and lead by nano-sized hydroxyapatite	2009
9.	Adsorption kinetics and column operations for the removal of copper and zinc from aqueous solutions using low cost biosorbent 'cyperus rotundus'	2010
10.	Comparison of turbidity removal efficiencies of Moringa Olifera and Strychnos Pottatorium seed extracts	2011

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11.	Adsorption kinetics and column experiments for the removal of fluoride from aqueous solution using bottom ash	2011
12.	Comparative studies on removal of fluoride from aqueous solution onto magnesia-loaded fly ash and $Ca(OH)_2$ treated fly ash	2012
13.	Adsorption kinetics and column operations for the removal of Cu (II) from aqueous solution using Citrullus Lanatus Rind	2012
14.	Kinetic, equilibrium, thermodynamic and desorption studies of crystal violet using pineapple leaf ( <i>Ananas comosus</i> ) powder	2012
15.	Studies on the removal of phosphate from water by electrocoagulation with aluminum plate electrodes	2013
16.	Experimental investigations on the equilibrium, kinetics and thermodynamics of fluoride sorption on laterite	2013
17.	Coagulation performance evaluation of alginate as natural coagulant for the treatment of turbid water	2013
18.	Treatability of water based paint wastewater by electrocoagulation	2013
19.	Performance of halotolerant marine bacteria on COD removal from hypersaline wastewater	2013
20.	Evaluation of an anaerobic sequencing batch reactor for the treatment of low strength wastewater	2013
21.	Performance of hybrid cell integrated with micro-electrolysis and anaerobic process for textile wastewater treatment	2014
22.	Coal ash and metakaolin conversion into geopolymer as a low cost sorbent for degradation of dye from wastewater	2014
23.	Synthesis, characterization and malachite green dye removal using calcium aluminium layered double hydroxide	2014
24.	Enhanced bioremediation of lubricant oil contaminated soil by biostimulation using compost and compost tea and by bioaugmentation	2014
25.	Comparative study of chemical precipitation and electrocoagulation for heavy metal removal from acid mine drainage	2014
26.	Performance evaluation of electrocoagulation process for the removal of acid blue dye from wastewater using sacrificial zinc electrodes	2014
27.	Reuse of scallop shells for the treatment of wastewater containing direct yellow-12 dye: Kinetic, equilibrium and thermodynamic analysis	2014
28.	Comparison of the efficiencies of organic and cellulosic substrates in removing sulfates and metals from acid mine drainage using continuous sulfate reducing bioreactor	2015
29.	Effectiveness of a plant based natural coagulant extracted from plantago ovata seeds: potential for water application	2015
30.	Synthesis, characterization and evaluation of sorptive properties of zerovalent iron particles and its biocomposite for the treatment of contaminants in aqueous solutions	2015
31.	Investigation of nitrogen and phosphorous removal from dairy wastewater in a new algae-bacteria combined system	2015
32.	Biodecolorization of synthetic dye solution of reactive blue-25 using immobilised yeast cells	2015



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33.	Combination of ozonation and photocatalysis to mineralize aqueous effluents containing organic pollutants	2015
34.	Investigation of the working performance of the novel phosphorus removal with partitionable space enhanced coagulation reactor	2015
35.	Performance evaluation of a novel electrolysis integrated tidal flow constructed wetland with recirculation for nutrient removal from wastewater	2015
36.	Bioethanol production from lignocellulosic biomass for small scale business considering the supply chain sustainability	2016
37.	Performance improvement of BOT (Biological Oxygen Treatment) plant treating coke plant effluent	2016
38.	Defluoridation of water in $\text{Ca}^{+2}$ , $\text{Mg}^{+2}$ and $\text{Al}^{+3}$ ion assisted electrocoagulation using Al and Fe electrodes	2016
39.	Speciation and effectiveness of aluminium formate as a coagulant: Promising for water treatment	2016
40.	Coagulation behavior, performance, and evaluation of polyaluminium chloride-chitosan as a dual coagulant for water treatment	2016
41.	Two dimensional nanomaterials for environmental and biosafety applications	2016
42.	Synthesis and analysis of magnetic chitosan/cellulose microsphere (MCCM) for dye removal	2016
43.	Application of combined process of air stripping and Struvite precipitation for sustainable utilization of Phosphorous	2016
44.	Phosphorous recovery as hydroxyapatite in a batch reactor for the valorization of alkaline phosphate concentrates	2016
45.	Combination of ozonation and photo catalysis to mineralize aqueous effluents containing organic pollutants	2016
46.	Continuous treatability of oily wastewater from automobile garage facilities by electrocoagulation	2017 (on going)
47.	Phosphate removal from solution by composite of MCM-41 silica with rice husk	2017 (on going)
48.	Removal of emerging contaminants by electro-peroxone process	2017 (on going)
49.	Industrial wastewater treatment and simultaneous bio-electricity generation through an optimized double-chambered microbial fuel cell	2017 (on going)
50.	Recovery of nitrogen and phosphorus by struvite precipitation from stabilized landfill leachate as an alternate phosphorus fertilizer resource	2017 (on going)
51.	Evaluation of environmental sustainability aspects for mass rapid transit systems	2017 (on going)

**Projects Guided (B.Tech.)**

Sl. No	Name of the Project	Year
1.	Design of user friendly software for wastewater treatment plant	2007
2.	Evaluation and mapping of ground water quality in Tiruchirappalli district	2008
3.	Use of low cost adsorbents for the removal of basic dye from aqueous solution	2009
4.	Influence of recycled aggregates on the slump and compressive strength of concrete	2011
5.	Utilization of sanitary ceramics as a replacement of coarse aggregate in cement concrete mixes for Non-structural uses	2012
6.	Electrochemical treatment of distillery spent wastewater using zinc electrodes	2014
7.	Reuse of marine bivalve mollusk for the treatment of wastewater containing Reactive Black 5 dye : Kinetic and equilibrium studies	2014
8.	Evaluation of aluminium alginate beads as an adsorbent for the removal of C.I. Reactive blue 25 from aqueous solutions	2015

**(iv) Other contribution(s)**

**14. Details of Major Consultancy Projects**

Title of Project	Amount in Rs. (Lakhs)	Funding Agency	Duration	Status (Completed / Ongoing)
Pollution measurement on Dummy Insulators installed on various 400 KV Transmission Lines under Neyveli TLM Hub	1.00	Power Grid corporation of India Limited	2007-2008	Completed
Environmental management plan for NH 67 (km 80.000 – 136.490)	0.45	Trichy-Thanjavur expressways limited	2007-2008	Completed
Soil investigation for the implementation of CWSS to Ramnad and other 4 municipalities 11 town panchayats and 3163 rural habitation in Ramanathapuram, Sivagangai and Pudukottai district-package VII-corrosive nature of soil	1.40	Tamilnadu Water and Drainage Board	2007-2008	Completed
Soil investigation for the implementation of CWSS to 5 municipalities 11 town panchayats and 3163 rural	0.876	Tamilnadu Water and Drainage Board	2007-2008	Completed

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habitation in Ramanathapuram, Sivagangai and Pudukottai districts- corrosive nature of soil				
Environmental monitoring report Rehabilitating north & south break water at Nagapattinam port by extending the existing break water to a length of 200 meters-phase II (May 2007)	0.65	Tamilnadu Maritime Board	2007-2008	Completed
Environmental monitoring report Dredging 1575 meters long operable portion of Kaduvaiyur river at Nagapattinam port to a depth of (-) 4 meters phase II.	0.35	Tamilnadu Maritime Board	2007-2008	Completed
Environmental monitoring report Rehabilitating the eastern bank of Kaduvaiyur river at Nagapattinam port by providing a diaphragm wall to a length of 650 meters so as to maintain the river depth and to prevent erosion of eastern river bank- phase II.	0.35	Tamilnadu Maritime Board	2007-2008	Completed
Testing of soil sample for corrosive nature Ramnad CWSS -package IV (Pudukottai)	0.674	Tamilnadu Water and Drainage Board	2008-2009	Completed
Testing of soil sample for corrosive nature Ramnad CWSS -package IV (Devakottai)	0.674	Tamilnadu Water and Drainage Board	2008-2009	Completed
Environmental Management Plan For Integrated Bus Stand In Devadanam, Tiruchirappalli	0.25	Tiruchirappalli City Corporation	2008-2009	Completed
Construction of Sewage treatment plants at Avaniyapuram (125 MLD) & Sakkimangalam (45.7 MLD), (Quality testing, Verifying Mechanical means, Verifying specifications, Type of materials used and to check all the conditions as per the agreement)	15	Madurai Corporation	2009-2011	Completed

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Coordinators : Dr. C. Natarajan & Dr. S. T. Ramesh				
Solid waste quantity estimation (approximate): Ariyamangalam compost yard, Tiruchirappalli	0.25	Tiruchirappalli City Corporation	2011-2012	Completed
Designing, providing, constructing, erection and commissioning, start-up and performance 1 trial run for 6 months followed by 5 years of O & M of 6 MLD capacity sewage treatment plant (STP) at <b>ANAIMEDU</b> with selected modern technology in Salem City Municipal Corporation in Tamilnadu on DBOT basis – (Third party consultancy for verifying the Construction and Mechanical means) Coordinators : Dr. C. Natarajan & Dr. S. T. Ramesh	1.4	Salem City Municipal Corporation	2011-2012	Completed
Designing, providing, constructing, erection and commissioning, start-up and performance 1 trial run for 6 months followed by 5 years of O & M of 13 MLD capacity sewage treatment plant (STP) at <b>VELLA KUTTAI</b> with selected modern technology in Salem City Municipal Corporation in Tamilnadu on DBOT basis (Third party consultancy for verifying the Construction and Mechanical means) Coordinators : Dr. C. Natarajan & Dr. S. T. Ramesh	1.5	Salem City Municipal Corporation	2011-2012	Completed
Designing, providing, constructing, erection and commissioning, start-up and performance 1 trial run for 6 months followed by 5 years of O & M of 35 MLD capacity sewage treatment plant (STP) at <b>MANKUTTAI</b> with selected modern technology in Salem City Municipal Corporation in Tamilnadu on DBOT basis –	3.5	Salem City Municipal Corporation	2011-2012	Completed

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(Third party consultancy for verifying the Construction and Mechanical means) Coordinators : Dr. C. Natarajan & Dr. S. T. Ramesh				
Solid waste management Work Package VII – Landfill and waste processing unit	6.0	Madurai Corporation	2011-2012	Completed
Water quality study of cooling water system and the Suggestions / proposals to meet the water quality requirement for seamless steel tube plant, Bharat Heavy Electrical Limited, Trichy	0.65	BHEL, Trichy	2011-2012	Completed
Post project environmental monitoring (Water, Air, Noise and soil quality)	2 Lakhs (as of Decemb er 2013)	Trichy-Thanjavur expressways limited	-	Ongoing
Baseline data for Water, Air and Noise Quality (Quarrying of sand shoals, Kattalai Barrage across Cauvery River over an extent of 256.06 Hectares)	1.5 (as of Septem ber 2014)	River Conservatory division, Tamilnadu Public works department	2014-2015	Completed
Baseline data for Water, Air and Noise Quality (Quarrying of sand shoals, Kattalai Barrage across Cauvery River over an extent of 256.06 Hectares)	1.5 (as of Septem ber 2014)	River Conservatory division, Tamilnadu Public works department	2014-2015	Completed
Design, Supply, Delivery, Erection, Testing & Commissioning of SCADA instrumentation & Telemetry system and head works & on reservoirs at various locations of Trichy city municipal corporation area with GPRS communication with all necessary accessories and sluice valve with actuator including operation and maintenance for Five years (Third party Inspection for quality assurance and technical suggestion)	1.00 (as of Septem ber 2014)	Tiruchirappalli City Corporation	2014-2014	Completed
Implementation plan for scientific closure of the	3.0	Tirunelveli City	2015	Ongoing

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municipal solid waste dump site at ramayanapatti for tirunelveli city municipal corporation		Corporation		
Report on the technical feasibility of revamping of existing sewage treatment plant of 75 kld capacity in income tax staff quarters campus, meenambalpuram, madurai	0.25	CPWD, Madurai Central Sub Division, Madurai	2015	Completed
Green waste composting: technology, Facility design and environmental management	1.75	InfraEn (India) Pvt. Ltd, Bangalore	2015	Ongoing
Technical feasibility of sewage treatment plant of 200 kld capacity of fbbr in m/s p.s. Precious hana grand mall llp, velachery, chennai	1.00	CLAR Aqua Pvt Ltd, Chennai	2015	Completed
Vetting for the design parameters, design calculations and drawings of water supply, sewerage disposal, Rain water Harvesting and Fire fighting works (Both internal and External)	1.5	Muhesh & Associates Salem	2015	Ongoing
Implementation plan for temporary storage of refuse derived fuel	0.3	Essel Pallavapuram Tambaram MSW pvt ltd	2016	Completed
Technical feasibility of sewage treatment plant of 290 kld capacity of FBRR in M/s Nahar foundation Pvt. ltd	0.75	CLAR Aqua Pvt Ltd, Chennai	2016	Completed
Technical feasibility of sewage treatment plant of 200 kld capacity of FBRR in M/s Nahar foundation Pvt. ltd	0.75	CLAR Aqua Pvt Ltd, Chennai	2016	Completed
Technical feasibility of sewage treatment plant of 400 kld capacity of FBRR in IPBP, Madurai	0.40	Enviro Services Pvt Ltd, Chennai	2016	Completed
Sampling and analysis of MSW and preparation of reports in Municipal Solid waste processing and disposal facilities	1.25	Madurai Corporation	2016	Completed

**15. Number of Ph.D.s guided**

Name of the PhD Scholar	Title of Ph.D. Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award
K.S. Bharathi	Sequestration of hazardous cationic dye from synthetic effluent by agricultural waste	Supervisor	2014
T.S. Anantha Singh	Performance evaluation of a batch and continuous electrocoagulation process for the removal of dye from synthetic and industrial wastewater effluent	Supervisor	2015
R. Venkatsaravanan	Comparative study of biological treatment (organic waste materials), chemical precipitation and electrocoagulation for the heavy metal removal from Acid mine Drainage	Supervisor	Ongoing
Adagada Lavanya	Application of combined process of air stripping and Struvite precipitation for sustainable utilization of Phosphorous	Supervisor	Ongoing
S. M. Kaviya	Managing hospital water and wastewater : Minimizing health risks and environmental impact	Supervisor	Ongoing
M. Padmapriya	Adsorption kinetics and column operations for the removal of color from dyeing wastewater using geopolymer	Co-Supervisor	Ongoing

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**16. Participation in Workshops / Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)**

<b>Date (s)</b>	<b>Title of Activity</b>	<b>Level of Event (International/ National/ Local)</b>	<b>Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)</b>	<b>Event Organized by</b>	<b>Venue</b>
February 8, 2003	Water conservation and water management	National	Participant	Institution of Engineers (India)	Neyveli Lignite Corporation, Neyveli
June 19, 2003	Role of Teachers in the 20 <sup>th</sup> century	National	Participant	Anna University	Vivekananda Auditorium Anna University
July 7-18, 2003	Hazardous waste management	National	Participant	Indian Institute of Technology Madras, Chennai-36	Department Civil Engineering
July 22-27, 2003	Irrigation structures using computers	National	Participant	Indian Institute of Technology Madras, Chennai-36	Department Civil Engineering
January 19-24, 2004	Computer Application in water Resources	National	Participant	Indian Institute of Technology Madras, Chennai-36	Department Civil Engineering
January 27-29, 2004	Inter linking of Rivers	National	Participant	Satyabama University, Chennai	Satyabama University, Chennai
February 16-18, 2004	Research Perspectives on Environmental protection, water shed management, Civil Engineering and Landscape Design of Cauvery river basin	International	Participant	Periyar Maniammai College of Technology for Women, Vallam jointly organized by RWTH Aachen University Germany	Periyar Maniammai College of Technology for Women, Vallam
July 22 & 24, 2004	Environmental Science and Engineering	National	Speaker	Bannari Amman Institute of technology, Sayamangalam, Erode	Department Mechanical Engineering



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November 4, 2004	Plant bio chemistry & Bio technology, Environmental research and Technologies, Nano Technology, Molecular Biology of Infectious diseases	International	Participant	Indian Institute of Technology Madras, Chennai-36	Indian Institute of Technology Madras, Chennai-36
November 19 & 20, 2004	Nutritional effects on Flourosis	National	Participant	TWAD board, Chennai	TWAD board, Chennai
April 29-30, 2005	Incineration and Solid waste management- NWISWM-2005	National	Participant	Indian Institute of Technology Madras	Department Civil Engineering
May 9, 2005.	Water Quality monitoring by Rapid methods	National	Participant	Swan Environmental (P) Ltd, at Hotel Savera, Chennai	Hotel Savera, Chennai
May 11, 2005	Radio Active waste management, Environment and Reprocessing	National	Participant	Association of Waste Management and Radiation of Environment (AWARE)	Department of Chemical Engineering, Indian Institute of Technology Madras
May 16-17, 2005	Advances in Water Engineering for Sustainable Development-NCAWESD-2005	National	Participant	Indian Institute of Technology Madras, Chennai	Department Civil Engineering
May 25-26, 2005	Assessment of current & Futuristic Water quality standards in India	National	Participant	National Environmental Research Institute Nagpur	CLRI, Chennai
25 <sup>th</sup> – 26 <sup>th</sup> August 2005	Impact of Climate Changes on Water Related Infrastructures in Developing countries	International	Participant	Indian Institute of Technology Madras, Chennai-36 and Loughborough University,	Department of Civil Engineering
17 <sup>th</sup> – 19 <sup>th</sup> November 2005	City of Tomorrow	International	Participant	Goethe Institut-Max Muller Bhavan, Chennai	Goethe Institut-Max Muller Bhavan, Chennai

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11 <sup>th</sup> April 2006	Clean Tanjavur	National	Participant	Periyar Maniammai College of Technology for Women, Vallam	Periyar Maniammai College of Technology for Women, Vallam
15 <sup>th</sup> – 17 <sup>th</sup> April 2006	Cyber laws	National	Participant	National Institute of Technology, Warangal	National Institute of Technology, Warangal
27 <sup>th</sup> June to 1 <sup>st</sup> July 2006	Regulations of pollution on water quality	International	Participant	Japan international cooperation Agency (JICA), Govt. of Japan	Tirupathi.
7 <sup>th</sup> July 2006.	Energy and environmental Engineering	National	Speaker	National Institute of Technology, Tiruchirappalli	National Institute of Technology, Tiruchirappalli
25 <sup>th</sup> November 2006	Instrumental Methods of Thermal Analysis and Data Interpretation	National	Participant	Centre for Energy & Environmental Science and Technology (CEESAT), National Institute of Technology, Tiruchirappalli	Centre for Energy & Environmental Science and Technology (CEESAT)
8 <sup>th</sup> December 2006	Safety and Stress management	National	Participant	National Institute of Technology, Tiruchirappalli	Department of Chemical Engineering
9 <sup>th</sup> December 2006	Environment and Hygiene	National	Participant	National Institute of Technology, Tiruchirappalli	Department of Chemical Engineering
15-16 <sup>th</sup> December 2006	Recent advancements and challenges of Biotechnology processes	National	Participant	National Institute of Technology, Tiruchirappalli	Department of Chemical Engineering
19-20 <sup>th</sup> December 2006	Control of unstable systems	National	Participant	National Institute of Technology, Tiruchirappalli	Department of Chemical Engineering
1-2 <sup>nd</sup> February 2007	Finite element methods for Engineers	National	Participant	National Institute of Technology, Tiruchirappalli	Department of Civil Engineering
June 11-16, 2007	Contaminant Transport Modeling: Theory and Applications	National	Participant	Indian Institute of Technology Madras, Chennai	Department of Civil Engineering

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September 26-27,2007	Strategies for sustainable Environment	National	Participant	Indian Institute of Technology Madras	Department of Civil Engineering
February 4-5, 2008	Water and waste treatment	International	Participant	Indian Institute of Technology Madras, Chennai-36	Department of Civil Engineering
March 14, 2008	Sustainable Environment	National	Participant	Thiagarajar College of Engineering, Madurai	Department of Civil Engineering
December 13, 2008	Sustainable Technology for future	National	Participant	National Institute of Technology, Tiruchirappalli,	Department Civil Engineering
January 05-10, 2009.	Instructional design and delivery system	National	Participant	National Institute of Technical Teachers Training & Research, Chennai	National Institute of Technical Teachers Training & Research, Chennai
April 29, 2009	Patent Information	National	Participant	Bharatidasan University, Tiruchirappalli,	Bharatidasan University, Tiruchirappalli,
June 26, 2009	Environmental Management	National	Speaker	National Institute of Technical Teachers Training & Research, Chennai	National Institute of Technical Teachers Training & Research, Chennai
June 22, 2009.	Admission procedure for designated Admission centres of AIEEE 2009'	National	Participant	National Informatics Centre, New Delhi	National Informatics Centre, New Delhi
7 <sup>th</sup> September, 2009	Intellectual Property and innovation Management in Knowledge Era	National	Participant	National Research Development Corporation	National Institute of Technology, Tiruchirappalli
April 03-05, 2010	Dean (Academic) meet	National	Participant	NITK Suratkal, Mangalore	NITK Suratkal, Mangalore
May 12, 2010	Process& Methodology for Web based Centralized Interactive Counseling for admission to professional courses based on All India Engineering Entrance Examination (AIEEE) – 2010	National	Participant	VNIT Nagpur	VNIT Nagpur

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15-17, December 2010.	Forensic Engineering	International	Participant	Department of Civil Engineering, National Institute of technology, Tiruchirappalli and Department of Civil and Environmental Engineering, University of North Carolina at Charlotte, USA from	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
19-21 January 2011	Sustainable Water Resource Management and Treatment Technologies	International	Participant	NEERI, Nagpur	NEERI, Nagpur
1 <sup>st</sup> June 2011	CCB 2011 counselling and admission process and salient features of reporting and, admission and other modules',	National	Participant	Ambedkar Institute of technology, New Delhi	Ambedkar Institute of technology, New Delhi
October 10-15, 2011	Advances in wastewater treatment, Department of Chemical Engineering	National	Participant	Indian Institute of technology Delhi, Hauz Haus, New delhi,	Indian Institute of technology Delhi, Hauz Haus, New delhi,
09-13, January 2012.	Introduction to Forensic Engineering and failure analysis	International	Participant	Department of Civil Engineering, National Institute of technology, Tiruchirappalli and Department of Civil and Environmental Engineering, University of North Carolina at Charlotte, USA from	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
03-04, February 2012.	NITC-NITK Joint Initiative Workshop on Strategies to Attain Excellence in Impact Making Research and Development (SAEIMRD),	National	Participant	National Institute of Technology, Calicut	National Institute of Technology Calicut

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2 <sup>nd</sup> March 2012	Developing a cluster for clean coal Technologies (CCT) and carbon Capture and Storage (CCS) Technologies for the Indian Power Sector	National	Participant	TREC-STEP, Tiruchirappalli	TREC-STEP, Tiruchirappalli
28 <sup>th</sup> December 2012.	Establishing e-training environment for training technical teachers and students	National	Participant	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai,
09-10, May, 2013.	Perspectives on curriculum	National	Participant	National Institute of technology, Tiruchirappalli	National Institute of technology, Tiruchirappalli
27 <sup>th</sup> July 2013.	Environment Research Programme on Sustainable Development	National	Participant	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai,
January 27-31, 2014.	Disasters, Environment and Risk Reduction,	International	Participant	Department of Civil Engineering, Indian Institute of technology Madras, Chennai and United Nations Environment Programme (UNEP)	Department of Civil Engineering, Indian Institute of technology Madras
10 <sup>th</sup> February, 2015	Introduction of incineration & waste-to-energy technologies in Tamilnadu	International	Speaker	India & Japan Joint Workshop	Hotel GRT Chennai,
23--27 March, 2015.	Environmental Studies	National	Participant	Indian Institute of Technology Bombay under the National Mission on Education through ICT	IIT Bombay

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27 <sup>th</sup> , April, 2015.	Academic Reforms	National	Participant	National Institute of technology, Tiruchirappalli	National Institute of technology, Tiruchirappalli,
28-29, April, 2015.	Conclave on academic reforms "Innovation, Practice and Road Map	National	Participant	National Institute of technology, Tiruchirappalli	National Institute of technology, Tiruchirappalli,
21 - 25 July, 2015.	Water and Wastewater Treatment: Recent Advances	National	Participant	Department of Civil Engineering, Indian Institute of Technology Roorkee	Department of Civil Engineering
8 <sup>th</sup> February 2016	Meeting to develop model curricula for all disciplines of engineering at UG level	National	Participant	National Institute of Technology Delhi	National Institute of Technology Delhi
22 <sup>nd</sup> February, 2016	Solid waste Management Partnerships workshop,	National	Participant	Department of Civil Engineering, Indian Institute of Technology Madras, Chennai	Department of Civil Engineering

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**17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)**

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Recent advancements in Environmental Engineering”,	National	19-23 February 2007	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Workshop on Infrastructural Engineering	International	17-18, December 2007	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Workshop on Autocad	National	08-10, October 2012.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Short term Course on “Forensic Engineering Practice”	International	December 14-18, 2012.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Workshop on “Bridge design, Fabrication and Testing”	National	March 4-5, 2013.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
International Workshop on “Structural Life Assessment and Failure Diagonosis”	International	December 6-7, 2013.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Workshop on Cleaner Technologies for water and wastewater”	National	November 12-13, 2013.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli,
Workshop on “Ferro Cement concrete Structures”,	National	February 28 <sup>th</sup> , 2014.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli

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Workshop on “AutoCAD and STAAD PRO”,	National	February 28 <sup>th</sup> , 2014.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Workshop on “Advance Surveying equipments”,	National	March 1 <sup>st</sup> , 2014.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli
Workshop on “GIS, GPS and remote sensing”,	National	March 2 <sup>nd</sup> , 2014.	Coordinator	Department of Civil Engineering, National Institute of technology, Tiruchirappalli,
Two week ISTE STTP Course on “ <b>Environmental Studies</b> ”	National	2- 12 June, 2015.	Coordinator	Institute of technology, Tiruchirappalli, Indian Institute of Technology Bombay under the National Mission on Education through ICT (MHRD, Govt. of India)

18. Invited Talks delivered

Topic	Programme	Inviting Organization & Date
Traditional wastewater systems	Faculty development programme (Sponsored by Anna University) on Principles of Environmental Science and Engineering	Kongu Engineering college, Perundurai, Erode, 5 <sup>th</sup> June, 2004.
Water treatment systems - Ground water and Surface water	Faculty development programme (Sponsored by Anna University) on Principles of Environmental Science and Engineering	Kongu Engineering college, Perundurai, Erode 5 <sup>th</sup> June, 2004.
Engineering interventions to reduce Environmental stresses	National workshop on Environmental Science and Engineering	Bannari Amman Institute of technology, Sayamangalam, Erode. 24 <sup>th</sup> July 2004.
Tools for Environmental Management	National workshop on Environmental Science and Engineering	Bannari Amman Institute of technology, Sayamangalam, Erode.



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		24 <sup>th</sup> July 2004.
Pollution control acts and regulations in India	National workshop on Environmental Science and Engineering	Bannari Amman Institute of technology, Sayamangalam, Erode. 24 <sup>th</sup> July 2004.
Arsenic treatment technologies for soil, waste and water	AICTE-ISTE Short-term training programme on Hazardous Waste Management and Water pollution Control	Kongu Engineering college, Perundurai, Erode. 5 <sup>th</sup> December 2004.
Waste management in Health care Facilities- A Review	AICTE-ISTE Short-term training programme on Hazardous Waste Management and Water pollution Control	Kongu Engineering college, Perundurai, Erode. 5 <sup>th</sup> December 2004.
Activated Sludge process	Workshop on Regulations of pollution on water quality.	Japan international cooperation Agency (JICA), Govt. of Japan, 28 <sup>th</sup> June 2006, Tirupathi.
Introduction to Air pollution and Solid waste management	Orientation course on Energy and environmental Engineering.	National Institute of Technology, Tiruchirappalli, 7 <sup>th</sup> July 2006
Development and application of model for the control of Activated sludge process	National Workshop on Environmental modeling and simulation	Bannari Amman Institute of technology, Sayamangalam, Erode. 12 <sup>th</sup> August 2006.
E-Waste: The new waste crisis	National workshop on Management of contemporary environmental issues for sustainable development	K.S.R College of Technology, Tiruchengode., 21 <sup>st</sup> September 2006
Waste Management	Workshop on "Environment and Hygiene"	Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, 9 <sup>th</sup> December 2006.
E-Waste Management	National level student's technical symposium (CEANS -07)	Kongu Engineering College, Perundurai, Erode, 22 <sup>nd</sup> February 2007
Engineers role on Environmental Protection	Seminar on Engineers role on the Environmental Protection	Department of Mechanical Engineering, Moogambigai college of Engineering, Kalamavur, 27 <sup>th</sup> March 2007.
Management of Municipal solid waste incineration residues	Work shop on Quality in building construction, Insurance, Solid waste management and corrosive protective	Civil Engineers federation of Tiruchirappalli, CEFTRON-2007, 18 <sup>th</sup> March 2007

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	methods in concrete structures	
Plastic waste management in construction – Technological and Institutional Issues	work shop on Quality in building construction, Insurance, Solid waste management and corrosive protective methods in concrete structures	Civil Engineers federation of Tiruchirappalli, CEFTRON-2007, 18 <sup>th</sup> March 2007.
Water and effluent Quality standards and their Implications	Training programme on Water Quality management	Department Civil Engineering, Indian Institute of Technology Madras, Chennai-36, 8 <sup>th</sup> May , 2007.
Sustainable Solid waste management	Staff development programme on Collection and compilation of data on Municipal solid waste and their analysis for appropriate treatment and disposal	Department Civil Engineering, Periyar Maniammai College for women, Vallam, Tanjore, 23 <sup>rd</sup> July 2007.
Need and Status on E-waste management Issues	Regional Level seminar on E-waste Management	Department of Computer science and Gandhian Studies centre, Avinashilingam University for women, Coimbatore, 15 <sup>th</sup> December 2007.
E-Waste Management	Invited lecture	Institution of Engineers, Tiruchirappalli Local Centre, 4 <sup>th</sup> December 2007.
Pretreatment of municipal solid waste by windrow composting and vermi composting	Training programme on Vermi Composting of Agro Refuse and Solid Waste Management	Kongu Engineering College, Perundurai, Erode, 24 <sup>th</sup> April 2007.
Environmental Hazards for Buildings	AICTE Sponsored Staff development programme on Failure of structures	Oxford Engineering College 10.05.2010
Municipal Solid Waste Management - Overview of Indian Scenario / Issues	National workshop on recent trends in solid waste management system	V.R.S. College of Engineering & Technology, Villupuram, 20-08-2010
Building a low carbon Indian Economy	National level seminar on Eco friendly Automated vehicles powering the green revolution	K.S.R College of Technology, Tiruchengode. 26 <sup>th</sup> August 2010
Role of Environmental Education in the Global	International Seminar on "Role of Environmental Education in the	Coimbatore Institute of Technology, Coimbatore,

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Engineering Curricula	Global Engineering Curricula"	20 <sup>th</sup> September 2010.
Wastewater reuse: an environmentally sound approach for sustainable water management	CSIR Sponsored National Seminar on Sustainable wastewater treatment and reuse	Kongu Engineering College, Erode, 11 <sup>th</sup> March, 2011
Recent Trends in Environmental Engineering	National level Technical symposium	Vickram College of Engineering, Madurai 25 <sup>th</sup> March, 2011
Public participation and Social Impact Assessment	Training Programme on Environmental Impact Assessment for PWD Engineers	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai, 28 <sup>th</sup> June, 2011
RIAM Analysis	Training Programme on Environmental Impact Assessment for PWD Engineers	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai, 28 <sup>th</sup> June 2011
Careers in Civil Engineering	Civil Engineering Students association	Department of Civil Engineering, CARE (Center for applied Research and Education). 26 <sup>th</sup> September 2011.
Safe management of wastes from healthcare activities	Invited lecture	Institution of Engineers, Tiruchirappalli Local Centre, 13 <sup>th</sup> October 2011.
In situ treatment technologies for contaminated soil and groundwater	DST Sponsored One Day National Seminar on "Innovative Site Remediation Techniques"	Kongu Engineering College, Erode, 16.12.2011
Applications of nanotechnology in environmental engineering	AICTE sponsored staff development programme on nano materials – synthesis, characterization and engineering applications	Institute of road & transport Technology, Erode 21 <sup>st</sup> December, 2011.
Removal of copper, lead and zinc by nanosized hydroxyapatite	AICTE sponsored staff development programme on nano materials – synthesis, characterization and engineering applications	Institute of road & transport Technology, Erode 21 <sup>st</sup> December, 2011

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Environmental Impact Assessment	Invited lecture	DoMS, National Institute of Technology, Tiruchirappalli, 20 <sup>th</sup> January 2012.
Water and air quality impacts	Overseas Training Programme “Sustainable Development and Environment Management”	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai, 23 <sup>rd</sup> February 2012.
RIAM analysis and environmental Risk assessment	Overseas Training Programme “Sustainable Development and Environment Management”	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai, 23 <sup>rd</sup> February 2012.
Solid waste Management	Workshop on “Environmental degradations and solutions”	Environmental cell Sub division, TNPWD, Madurai – 2, 28 <sup>th</sup> February 2012.
Hazard Identification, Risk Assessment And Control Measures For Major Hazard Facilities	Training programme on “Health and safety aspects for ETP / CETP / STP Operators”	Tamilnadu Pollution Control Board, Trichy, 13 <sup>th</sup> March 2012.
Opportunities in Civil Engineering	National level Technical symposium	MRK Institute of Technology, Kattumannarkoil, 14 <sup>th</sup> March 2012.
Opportunities in Civil Engineering	National level Technical symposium	Vickram College of Engineering, Madurai 16 <sup>th</sup> March 2012
Municipal solid waste composting: biological processing	DRDO Sponsored Workshop on Integrated Solid Waste Management	Sri Krishna College of Technology, Coimbatore, 28 <sup>th</sup> March 2012.
Energy recovery Municipal solid waste	CSIR Sponsored National Conference on Power Generation using Municipal Solid Waste	The Kavery engineering college, Mecheri, Salem. 9 <sup>th</sup> August 2012
Conversion of Biomass into useful energy	National workshop on Energy conservation technologies for Global sustainability	K.S.R College of Technology, Tiruchengode. 24 <sup>th</sup> August 2012
Electronic waste - an emerging risk?	Engineers day celebration	Oxford Engineering College

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		14 <sup>th</sup> September 2012
An overview for exploring the possibilities of energy generation from municipal solid waste (MSW)	MNRE sponsored Two Days Workshop on “Municipal Solid Waste For Renewable Energy Production”	Centre for Climate Change, Periyar Maniammai University, Vallam, Thanjavur 20 <sup>th</sup> November 2012
Municipal Solid Waste Management - Overview of Indian Scenario / Issues	Workshop on “Remediation for Clean and green environment”	Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, 1 <sup>st</sup> December 2012.
Environmental Impact Assessment	Invited lecture	DoMS, National Institute of Technology, Tiruchirappalli, 22 <sup>nd</sup> January 2013.
Optimization of the dose of alginate as a potential coagulant for the Coagulation–flocculation of suspended particles in turbid water	Key note address	National Conference on Green Technologies for Conservation of Biodiversity (GTCB 2013), SRIET, Coimbatore-110, 16 <sup>th</sup> February, 2013.
Air Quality Management System	TNPCB Newly Recruited Engineers Training Programme	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai, 23 <sup>rd</sup> February 2013.
Industrial wastewater treatment	TNPCB Newly Recruited Engineers Training Programme	Centre for Environmental Management, National Institute of Technical Teachers Training and Research, Chennai, 23 <sup>rd</sup> February 2013.
Civil Engineering	Orientation programme for I year B.Tech. & B.Arch. 2013-2014 batch	National Institute of Technology, Tiruchirappalli, 3 <sup>rd</sup> August 2013.
Careers in Civil Engineering	Orientation programme for I year B.Tech. & B.Arch. 2013-2014 batch	National Institute of Technology, Tiruchirappalli, 22 <sup>nd</sup> August 2013.
Waste Management Practices	AICTE sponsored Faculty Development Programme on Environmental engineering and management	Department of Civil Engineering Arulmigu Palaniandavar polytechnic College, Palani.

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		21 <sup>st</sup> September 2013.
Emerging Contaminants and the Implications for Drinking Water	CSIR Sponsored National Seminar on Fate of Emerging contaminants – Analysis and treatment	Kongu Engineering College, Erode, 5 <sup>th</sup> October, 2013
Effective use of industrial wastes in construction	National Seminar on innovative Practices in Construction and Waste Management	Sri Ramakrishna Institute of technology Coimbatore 10 <sup>th</sup> October 2013.
Groundwater Contamination	Short-term course on Groundwater Contamination and Transport Modelling	Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, 24 <sup>th</sup> November 2013
Improving ground water potentials using artificial recharge methods	Short-term course on Groundwater Contamination and Transport Modelling	Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, 25 <sup>th</sup> November 2013
Emerging Contaminants and the Implications for Drinking Water	Workshop on cleaner technologies for water and wastewater	Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli, 13 <sup>th</sup> November, 2013
A Taxonomy for Learning, Teaching and Assessing	Faculty development programme on art of teaching : Pedagogical tools and techniques	National Institute of Technology, Tiruchirappalli, 20 <sup>th</sup> November, 2013.
NBA Preparation	Invited Lecture	Kongu Engineering College, Erode, 13 <sup>th</sup> December, 2013
NBA Preparation - For Business Schools	Invited Lecture	KPR Institute of Engineering and Technology, Coimbatore, 11 <sup>th</sup> January, 2014
Challenges in Civil Engineering	National level Technical Symposium (REICONS'14) Inaugural Address	Department of Civil Engineering Nandha Engineering College, Erode, 14 <sup>th</sup> February 2014.
“Emerging” areas in the Environmental Engineering	CEA Lecture	Department of Chemical Engineering, National Institute of Technology, Tiruchirappalli.

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		18 <sup>th</sup> February 2014.
The Biological Basis of Wastewater Treatment	Faculty development programme on Biological wastewater treatment innovations, Perceptions and challenges	Department of Civil Engineering Government College of Technology, Coimbatore, 26 <sup>th</sup> February 2014.
Emerging Contaminants and the Implications	Faculty development programme on Biological wastewater treatment innovations, Perceptions and challenges	Department of Civil Engineering Government College of Technology, Coimbatore, 26 <sup>th</sup> February 2014.
Climate change: impacts, vulnerabilities and adaptation	National level technical workshop on Impact and adaptability of climate change and green technologies to protect the atmosphere.	Department of Civil Engineering, Erode Sengunthar Engineering College, Erode 28 <sup>th</sup> February 2014.
A Taxonomy for Learning, Teaching and Assessing	Faculty development programme on Art of teaching : Pedagogical tools and techniques	National Institute of Technology, Tiruchirappalli, 5 <sup>th</sup> March, 2014.
Opportunities in Civil Engineering	National level Students Technical Symposium (REIN4Z'14) Inaugural Address	Department of Civil Engineering Dhanalakshmi Srinivasan Institute of Technology Samayapuram, Trichy.
Authorities of NBA and Accreditation and its Benefits	Workshop on "Outcome based accreditation process and parameters for undergraduate engineering programme"	K.P.R. Institute of Engineering and Technology, Coimbatore, 12 <sup>th</sup> June 2014.
Steps Involved In Accreditation Procedure	Workshop on "Outcome based accreditation process and parameters for undergraduate engineering programme"	K.P.R. Institute of Engineering and Technology, Coimbatore, 12 <sup>th</sup> June 2014.
Pre-visit Activities, Activities during the visit and Schedule of On-Site Visit	Workshop on "Outcome based accreditation process and parameters for undergraduate engineering programme"	K.P.R. Institute of Engineering and Technology, Coimbatore, 12 <sup>th</sup> June 2014.
Vision, Mission and Programme Educational Objectives (PEOs)	Workshop on "Outcome based accreditation process and parameters for	K.P.R. Institute of Engineering and Technology, Coimbatore, 12 <sup>th</sup> June

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	undergraduate engineering programme”	2014.
Assessment Methods and Tools	Workshop on “Outcome based accreditation process and parameters for undergraduate engineering programme”	K.P.R. Institute of Engineering and Technology, Coimbatore, 13 <sup>th</sup> June 2014.
Administrative system for implementation of OBE	Workshop on “Outcome based accreditation process and parameters for undergraduate engineering programme”	K.P.R. Institute of Engineering and Technology, Coimbatore, 13 <sup>th</sup> June 2014.
Options with your subject: Environmental engineering	Two Days National Seminar on Environmental Technology for Greening	Department of Civil Engineering, SCAD College of Engineering & Technology, Cheranmahadevi, Tirunelveli – 627414, 25 <sup>th</sup> July 2014.
Emerging contaminants and the implications for Drinking Water	Inauguration of Civil Engineering Association	Department of Civil Engineering, ACCET, Karaikudi-4, 13 <sup>th</sup> August 2014
NBA-Promoting international quality standards for Technical education in India	Invited Lecture	Department of Civil Engineering, CARE (Center for applied Research and Education). 26 <sup>th</sup> August 2014.
Issues with Emerging Contaminants in Water	National Level workshop on “innovations in Civil Engineering”	Department of Civil Engineering, University College of Engineering, Nagercoil, 19 <sup>th</sup> September 2014.
Need of biomedical waste management system in hospitals - An emerging issue	Two days training programme on Waste Management - Trash to treasure	Department Chemistry, Bharathidasan Institute of Technology, Anna University, Trichy, 11 <sup>th</sup> November 2014.
Strategies for improving the Sustainability of Waste Management Systems	International Seminar on Smart Cities and Sustainable Development	Department Civil Engineering, Periyar Maniammai University, Vallam, Tanjore, 8 <sup>th</sup> January 2015.
Introduction to Environmental Impact Assessment	Invited lecture	DoMS, National Institute of Technology, Tiruchirappalli, 30 <sup>th</sup> January 2015.
Key elements in the outcome based education	Invited Lecture	Department of Civil Engineering, CARE (Center for applied Research and Education). 30 <sup>th</sup> January 2015.



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Insitu treatment technologies for contaminated sites	National Conference on Role of biotechnology tools and techniques in wastewater Management	K.S.Rangasamy College of Technology, Tiruchengode. 4 <sup>th</sup> February, 2015.
Analysis of solid waste and leachate management, Tiruchirappalli	India & Japan Joint Workshop 2015, "Introduction of incineration & waste-to-energy technologies in Tamilnadu"	Hotel GRT, 10 <sup>th</sup> February, 2015, Chennai
Challenges and Opportunities in Civil Engineering	Inaugural Lecture	Arasu Engineering college, Kumbakonam, 12 <sup>th</sup> February, 2015.
Enhanced bioremediation of lubricant oil contaminated soil by biostimulation using compost and compost tea and by bioaugmentation	Key note lecture, International Conference on Natural resource restoration technologies,	Department of Biotechnology, PSG college of technology, 17-18, April 2015.
Bioremediation of soil contaminated with lubricating oil hydrocarbons by compost and compost tea	Key note lecture, National Conference on Innovations in Civil Engineering systems for sustainable construction	Department of Civil Engineering, Coimbatore Institute of technology, 22nd April 2015
Overview of Accreditation and Administrative system for implementation of OBE	Workshop on "Outcome based accreditation process and parameters for undergraduate engineering programme"	SVS College of Engineering, Coimbatore, 27th June 2015
Wastewater Management and Treatment	Tiruchirappalli city workshop for sanitation in urban areas	Tiruchirappalli city Corporation, Tamilnadu Urban Sanitation support programme Breeze Residency, 03.12.2015
Technologies for removal and recovery of phosphorous from wastewater	DAE-BRNS Sponsored national Seminar on Recent Advancement in Wastewater Treatment for Sustainable Development (RAWTSD 2016)	Department of Chemistry Kongu Engineering College, Erode, 29h January, 2016
Enhanced bioremediation of lubricant oil contaminated soil by biostimulation	Science Academics lecture workshop on "Biotechnology tools and techniques in solving environmental problems"	Department of biotechnology K. S. Rangasamy College of Technology, Tiruchengode.

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		17th February, 2016.
Smart City	National Conference on Infrastructure Advances and Research (ITS'16)	Department of Civil Engineering K. Ramakrishnan College of Technology, Trichy. 2nd March, 2016.
Conceptual framework for research design: essential points for developing a project	Workshop on 'Research based project in Civil Engineering'	Department of Civil Engineering Kalasalingam University, Krishnankoil 5th March, 2016.
Removal and recovery of phosphorous from wastewater	Two days Lecture Workshop on Chemistry For Sustainable Green Environment (CHES GREEN'16)	Department of chemistry, Bharathidasan Institute of Technology, Anna university Tiruchirappalli, 11 <sup>th</sup> March 2016
Infrastructure development in India	Workshop on 'Infrastructure development in India'	Department of Civil Engineering, Mahendra Engineering College, Namakkal, 15 <sup>th</sup> March, 2016.

### 19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Life Member	Indian society of Technical Education	LM55363
Life Member	Institution of Engineers	M139321-3
Life Member	Institution of Public health Engineers	LAM754
Life Member	Indian Water Works Association	LM006478
Life Member	Indian Society of Geomatics	L1309
Life Member	Indian Society of Hydraulics	LM854
Life Member	Indian Water Resources Society	LM-11-7310
Life Member	Indian Geotechnical Society	LM 3659

### 20. Academic Foreign Visits

Country	Duration of Visit	Programme
-	-	-

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**21. Publications**

**(A) Refereed Research Journals:**

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
S. Mohan <b>S. T. Ramesh</b>	Treatability studies and evaluation of bio kinetic parameters for Chennai municipal wastewater using Activated sludge process	Journal of Nature Environment and Pollution Technology	4 (4)	627-632.	2005	Electronic Social and Science Citation Index (ESSCI) 1.621
S. Mohan <b>S. T. Ramesh</b>	Assessment of Recirculation Ratio Impacts on Mixed Liquor Suspended Solids in the Activated Sludge Process	Asian Journal of Water, Environment and Pollution	3 (2)	57-61	2006	Science Citation Index-Expanded
S. Mohan <b>S. T. Ramesh</b>	How recirculation ratio affects Biological solids retention time and process stability in the Activated Sludge process	Journal of Institution of Public Health Engineers	2006-2007 (2)	30-33	2006	-
S. Mohan <b>S. T. Ramesh</b>	Development of Recirculation ratio Optimization Model for Activated Sludge Process by Genetic Algorithms	International interdisciplinary journal on Environment	-	-	2006	-
<b>S. T. Ramesh,</b> R. Gandhimathi M. Vinoth	Cement dust based low-cost Adsorbents for COD removal from domestic wastewater	Environmental pollution control journal	11(4),	53-57	2008	-

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<b>S. T. Ramesh,</b> S. Jayanthi, R. Gandhimathi	A Study on Problems of Management of Bio Medical Wastes and their Remedial Measures.	Journal of Industrial Pollution Control	24	145-148	2008	0.5 SCOPUS
<b>S. T. Ramesh,</b> S. Jayanthi, R. Gandhimathi	Feasibility Study on Anaerobic Digestion of Garbage using Lime Pretreatment.	Journal of Industrial Pollution Control	24	123-128	2008	0.5 SCOPUS
<b>S. T. Ramesh,</b> S. Mohan, Gandhimathi, R.	Environmental Impact Assessment Using Rapid Impact Assessment Matrix (RIAM) for Open Dumping Site, Chennai, India	Journal of Indian Association for Environmental Management	35 (3),	149-156	2008	-
R. Gandhimathi, <b>S. T. Ramesh,</b> E. Arun Praveeth	Adsorptive removal of copper from aqueous solution onto Raw Rice Husk: Kinetics and isotherms	Nature Environment and pollution Technology	4	763-768	2008	Electronic Social and Science Citation Index (ESSCI) 1.621
R. Gandhimathi, <b>S. T. Ramesh</b> M. Vinoth	The Use of Limestone Powder as a Low Cost, Environmentally Friendly Alternative to Activated Carbon for the Removal of COD from Domestic Wastewater	Journal of Environmental Protection	28	997-1002	2008	1.01
<b>S.T. Ramesh,</b> S. Jayanthi R. Gandhimathi	Pilot Plant Study on Combined Treatment of Kitchen Refuse and Domestic Sewage by Anaerobic Digestion	Nature Environment and pollution Technology	8(1),	157-160	2009	Electronic Social and Science Citation Index (ESSCI)

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R. Gandhimathi, <b>S. T. Ramesh</b> V. Subhashinidevi	Anaerobic co-digestion of Vegetable and Fruit wastes : Bioreactors Performance	Journal of Institution of Public Health Engineers	Vol. 2010-2011, No. 1	26-30	2010	-
R. Gandhimathi, <b>S. T. Ramesh</b> M. Praveenkumar	Biological approach for treatment of distillery spent wash – A study on upflow anaerobic fixed film reactor	Environmental pollution control journal	13(6),	46-50	2010	-
P. V. Nidheesh, R. Gandhimathi, <b>S. T. Ramesh</b> T. S. Anantha Singh	Investigation of Equilibrium and Thermodynamic parameters of Crystal Violet Adsorption onto Bottom ash,	Journal of International Environmental Application & Science	6 (4)	461-470	2011	0.876
<b>S. T. Ramesh.</b> R. Gandhimathi, P. V. Nidheesh, Nagendra Badabhagni K. S. Bharathi.	Breakthrough Data Analysis of Adsorption of Cd (II) On Coir Pith Column	Electronic <i>journal</i> of environmental, agricultural and food chemistry	10(7)	2487-2505	2011	H-Index 16
<b>S.T. Ramesh,</b> R. Gandhimathi, N. Badabhagni P.V. Nidheesh.	Removal of Cd (II) From Aqueous Solution By Adsorption onto Coir Pith, An Agricultural Solid Waste: Batch Experimental Study	Environmental Engineering and Management Journal	10(11),	1667-1673	2011	1.258 SCI Expanded
R. Gandhimathi, <b>S. T. Ramesh,</b> V. Sindhu P. V. Nidheesh.	Single and Tertiary system dye removal from colored textile wastewater using Bottom Ash: Kinetic and isotherm studies	Iranica Journal of Energy and Environment	3(1),	52-62	2012	1.4059 Scopus
K.S. Bharathi, <b>S. T. Ramesh.</b>	Equilibrium, Thermodynamic and Kinetic Studies on Adsorption of a Basic Dye by Citrullus Lanatus Rind	Iranica Journal of Energy and Environment	3(1)	23-34	2012	1.4059 Scopus

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<b>S. T.Ramesh</b> , N. Rameshbabu, R. Gandhimathi, P. V. Nidheesh M. Srikanth Kumar.	Kinetics And Equilibrium Studies For The Removal Of Heavy Metals In Both Single And Binary Systems Using Hydroxyapatite,	Applied Water Science	2,	187–197	2012	Google Scholar
<b>S. T. Ramesh</b> , R. Gandhimathi, P. V. Nidheesh, Manoj Taywade	Batch and Column Operations for the Removal of Fluoride from Aqueous Solution Using Bottom Ash,	Environmental Research, Engineering and Management	2(60),	12-20	2012	-
<b>S.T. Ramesh</b> , R. Gandhimathi, J. Hamoneth Josen P.V. Nidheesh	Equilibrium, Kinetics and Breakthrough Studies for Adsorption of Copper onto Low Cost Biosorbent 'Cyperus Rotundus',	Electronic <i>journal</i> of environmental, agricultural and food chemistry	11 (6)	638-648	2012	H-Index 16
Koel Banerjee, <b>S. T. Ramesh</b> , R. Gandhimathi P. V. Nidheesh	A Novel Agricultural Waste Adsorbent, Watermelon Shell for the Removal of Copper from Aqueous Solutions	Iranica Journal of Energy and Environment	3 (2),	143-156	2012	1.4059 Scopus
<b>S. T. Ramesh</b> , R. Gandhimathi, P. V. Nidheesh P. Satyanarayana Rao	Treatment of wastewater using geotextiles baffles attached with biomass	International Journal of Research in Chemistry and Environment	2 (3)	88-94	2012	Google Scholar
P. V. Nidheesh, R. Gandhimathi, <b>S. T. Ramesh</b> T. S. Anantha Singh	Adsorption - Desorption Characteristics and Mechanism of Crystal Violet in Bottom Ash Column	Journal of Urban and Environmental Engineering	6 (1),	18-29	2012	-
P. V. Nidheesh, R. Gandhimathi, <b>S. T. Ramesh</b> T. S. Anantha Singh	Kinetic Analysis of Crystal Violet Adsorption on to Bottom Ash	Turkish Journal of Engineering and Environmental Sciences	36 (2012),	249 – 262	2012	-

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<b>S. T.Ramesh</b> , N. Rameshbabu, R. Gandhimathi, M. Srikanth Kumar P. V. Nidheesh	Adsorptive removal of Pb(II) from aqueous solution using nano-sized hydroxyapatite	Applied Science Water		105-113	2013	Google Scholar
K. S. Bharathi, <b>S. T. Ramesh</b>	Biosorption of crystal violet (a basic dye) from aqueous solution by citrullus lanatus (water melon rind)	Journal of Environment research and development	7(1A),	321-329	2012	1.268
<b>S. T. Ramesh</b> , R. Gandhimathi, P. V. Nidheesh, S. Rajakumar, S. Prateepkumar	Use of Furnace Slag and Welding Slag as a Replacement for Sand in Concrete.	Int. J. Energy and Environment	4:3	1-6	2013	Scopus
P. V. Nidheesh, R. Gandhimathi, <b>S. T. Ramesh</b> T. S. Anantha Singh	Modeling of Crystal Violet Adsorption on Bottom Ash Column	Water Environment Research	85	1-8	2012	0.89
R. Gandhimathi, <b>S. T. Ramesh</b> , V.M. Arun P. V. Nidheesh	Biosorption of Cu (II) and Zn (II) Ions from Aqueous Solution by Water Hyacinth (Eichhornia Crassipes)	International Journal of Environmental Waste Management	11 (4),	365 – 386	2013	Scopus
P. V. Nidheesh, R. Gandhimathi <b>S. T. Ramesh</b>	Degradation of dyes from aqueous solution by Fenton processes a review.	Environmental Science and Pollution Research	20	2099–2132	2013	2.757 SCI + SCI Expanded
<b>S.T. Ramesh</b> , R. Gandhimathi, J. Hamoneth Josen P.V. Nidheesh	Novel Agricultural Waste Adsorbent, Cyperus Rotundus for the Removal of Heavy Metal Mixtures from Aqueous Solutions	Environmental Engineering science	30(2)	74-81	2013	1.17 SCI + SCI Expanded).



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R. Gandhimathi, N. Jegan Durai, P. V. Nidheesh, <b>S. T. Ramesh</b> , S. Kanmani	Combination of Coagulation And Adsorption Processes For Treatment Of Landfill Leachate	Iran. J. Environ. Health. Sci. Eng.	10:24	1-7	2013	1.072) <b>(SCI Expanded)</b>
B. Shathika Sulthana Begum, R. Gandhimathi, <b>S. T. Ramesh</b> P.V. Nidheesh	Utilization of textile effluent wastewater treatment plant sludge as brick material	Journal of Material Cycles and Waste Management	15	564-570	2013	0.831; SCI Expanded
C. K. Geethamani, <b>S. T. Ramesh</b> , R. Gandhimathi, P.V. Nidheesh	Alkali- treated fly ash for the removal of fluoride from aqueous solutions	Desalination and Water Treatment	DOI: 10.1080/ 1944399 4. 2013.80 0825	1944-3994	2013	0.97 <b>(SCI Expanded)</b>
C. K. Geethamani, <b>S. T. Ramesh</b> , R. Gandhimathi P. V. Nidheesh	Fluoride Sorption by Treated Fly Ash: Kinetic and Isotherm Studies	Journal of Material Cycles and Waste Management	DOI 10.1007/ s10163- 013- 0128-7	1611-8227	2013	0.831; SCI Expanded
R. Gandhimathi, <b>S. T. Ramesh</b> , V. Sindhu P. V. Nidheesh	Bottom Ash Adsorptionof Basic Dyes from their Binary aqueous solutions	Songklanakarin Journal of Science and Technology	35 (3),	339-347	2013	Scopus
K. S. Bharathi <b>S. T. Ramesh</b>	Biosorption of Crystal violet onto Cyperus rotundus in batch system: Kinetic and equilibrium modeling	Desalination and Water Treatment	doi: 10.1080/ 1944399 4. 2013.80 3315	1944-3986	2013	0.85 <b>SCI Expanded</b>

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K. S. Bharathi <b>S. T. Ramesh</b>	Fixed bed column studies on biosorption of Crystal Violet from aqueous solution by Citrullus lanatus rind and Cyperus rotundus	Applied Science	Water	(DOI 10.1007/s13201-013-0103-4)		2013	Google Scholar
K. S. Bharathi, <b>S. T. Ramesh</b>	Removal of dyes from wastewater using agricultural waste as low cost adsorbent – A review	Applied Science	Water	DOI 10.1007/s13201-013-0117-y		2013	Google Scholar
Stephy Jacqueline George, R. Gandhimathi, P. V. Nidheesh and <b>S.T. Ramesh</b>	Electro Fenton method Oxidation of Salicylic Acid in Aqueous Solution with graphite electrodes	Environmental Engineering Science		30	750-756	2013	1.17 SCI + SCI Expanded
Shilpa Xavier, R. Gandhimathi, P. V. Nidheesh <b>S.T. Ramesh</b>	Comparison of homogeneous and heterogeneous Fenton processes for the removal of reactive dye magenta MB from aqueous solution	Desalination and water treatment		DOI: 10.1080/19443994.2013.844083	-	2013	0.85 SCI Expanded
Anantha Singh T. S., <b>S. T. Ramesh</b>	An experimental study of CI Reactive Blue 25 removal from aqueous solution by electrocoagulation using Aluminum sacrificial electrode: Kinetics and influence of parameters on electrocoagulation performance	Desalination and water treatment		52 doi: 10.1080/19443994.2013.794714	2634–2642	2013)	0.85 <b>SCI Expanded</b>

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Anantha Singh T. S., <b>S. T. Ramesh</b>	New trends in electrocoagulation for the removal of dyes from wastewater – A Review	Environmental Engineering Science	30 (7)	333-349	2013	1.17; SCI + SCI Expanded
Saranya Packiam, <b>S. T. Ramesh</b> , R. Gandhimathi	Effectiveness of natural coagulants from non plant based sources for water and wastewater treatment – A review	Desalination and Water Treatment	doi: 10.1080/ 19443994  2013.812 993	1944-3986	2013	0.97 <b>SCI Expanded</b>
<b>S. T. Ramesh</b> , R. Gandhimathi, P. V. Nidheesh, G. Praveen kumar	Chemical oxygen demand (COD) removal from domestic wastewater using fortified soil-clay	Pollution research	32(2),	239-244	(2013	Scopus
R. Gandhimathi, <b>S. T. Ramesh</b> , Anubhav Yadu, K. S. Bharathi	Fixed Bed Column Study for Cu (II) Removal from Aqueous Solution Using Water Hyacinth (Eichornia crassipes) Biomass	Journal of Environmental Science and Engineering	55 (3),	p. 283-289	2013	-
Devika Venu, R. Gandhimathi, P.V. Nidheesh <b>S.T. Ramesh</b>	Treatment of stabilized landfill leachate using peroxicoagulation process	Separation and Purification Technology	129	64–70	2014	3.065
R. Gandhimathi, Albin Babu, P. V. Nidheesh, <b>S. T. Ramesh</b> T. S. Anantha Singh	Laboratory Study on Leachate Treatment by Electrocoagulation Using Fly Ash and Bottom Ash as Supporting Electrolytes	Journal of Hazardous, Toxic, and Radioactive Waste	ASCE (DOI: 10.1061/ (ASCE) HZ	2153-5515	2014	-
Stephy Jacqueline George, R. Gandhimathi, P. V. Nidheesh <b>S.T. Ramesh</b>	Electro Fenton oxidation of salicylic acid from aqueous solution: Batch studies and degradation pathway	Clean- Soil, Air, Water	42	1–11	2014	1.838 SCI+SCI Expanded

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R. Gandhimathi, <b>S. T. Ramesh</b> , V. Sindhu P. V. Nidheesh	Removal Characteristics of Basic Dyes from Aqueous Solution by Fly Ash in Single and Tertiary Systems	Journal of Scientific & Industrial Research	73 (4)	267-272	2014	0.5
Shuvee Neupane, <b>S. T. Ramesh</b> , R.Gandhimathi P. V. Nidheesh.	Pineapple Leaf (Ananas Comosus) Powder As A Biosorbent For Removal Of Crystal Violet From Aqueous Solution	Desalination and Water Treatment	DOI: 10.1080/ 1944399 4. 2014.90 3867	-	2014	0.97 <b>SCI Expanded</b>
Sarasan Seena Mithra, <b>S. T. Ramesh</b> , R. Gandhimathi, P.V. Nidheesh,	Studies on the removal of phosphate from water by electrocoagulation with aluminium plate electrodes	Env Eng Management Journal Science	-	-	2014	1.258 SCI Expanded
<b>S. T. Ramesh</b> , R. Gandhimathi, T. E. Elavarasi, R. Isai Thamizh, K. Sowmya, P. V. Nidheesh	Comparison of Methylene Blue Adsorption from Aqueous Solution using Spent Tea Dust and Raw Coir Pith	Global Nest	16(1),	pp 146-159.	2014	-
Archana P Abraham, <b>S. T. Ramesh</b>	Efficacy of A Novel Electrolysis Integrated Tidal Flow Constructed Wetland System in Nutrient Removal	International Journal of Emerging Technology and Advanced Engineering	5(7)	152-158	2015	2.324
R. Venkatasaravanan, <b>S. T. Ramesh</b> , M. Gunasheela	Removal of Heavy Metals From Acid Mine Drainage (AMD) Contaminated with High Concentrations of Fe, Zn, and Cu Using Electrocoagulation	Advanced Porous Materials	4	1-8	2016	-

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Chithira Venu, <b>S. T. Ramesh</b> , R. Gandhimathi P. V. Nidheesh,	Investigation on the working performance of partitionable space enhanced coagulation reactor	Separation Science and Technology	DOI: 10.1080/ 0149639 5.2016.1 140207		2016	1.083
<b>S. T. Ramesh</b> , R. Gandhimathi, J. Hamoneth Joesun, P. V. Nidheesh	Low Cost Biosorbent 'Cyperus Rotundus' for Removal of Cu(II) and Zn(II) from Aqueous Solution with Acid and Alkali Treatments: Kinetic and Equilibrium Studies,	Advanced Porous Materials	Vol. 3	1-8	2016	-
K. Sarath, R. Gandhimathi, <b>S. T. Ramesh</b> P. V. Nidheesh	Removal of Reactive Magenta-MB from aqueous solution by Persulphate Based Advanced Oxidation Process	Desalination and Water Treatment	25	11872-11878	2015	-
J. T. Krupa, R. Gandhimathi, <b>S. T. Ramesh</b> , P. V. Nidheesh T. S. Anantha Singh	Investigation of biobarrier for leachate containment through batch and continuous flow studies	Journal of Environmental Engineering	142	C4015006: 1-8	2015	-
Devika Venu, R. Gandhimathi, P.V. Nidheesh <b>S.T. Ramesh</b>	Effect of Solution pH on Leachate Treatment Mechanism of Peroxicoagulation Process.	Journal of Hazardous, Toxic, and Radioactive Waste	doi: 10.1061/ (ASCE) HZ.2153 - 5515.00 00315		2016	-

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P. Aswathy R. Gandhimathi, <b>S. T. Ramesh</b> P.V. Nidheesh	Removal of organics from bilge water by batch electrocoagulation process	Separation and Purification technology	159	108-115	2016	3.299
S. Sowmiya, R, Gandhimathi <b>S. T. Ramesh</b> P. V. Nidheesh	Granular activated carbon as a particle electrode in three dimensional electrochemical treatment of Reactive Black B from aqueous solution	Environmental Progress & sustainable Energy	35	1616-1622	2016	1.631
T. T. Asha, R. Gandhimathi, <b>S. T. Ramesh</b> P.V. Nidheesh	Treatment of Stabilized Leachate by Ferrous Activated Persulfate Oxidative System	Journal of Hazardous, Toxic, and Radioactive Waste,	-	04016012, 1-6	2016	-

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**(B) Conferences / Workshops / Symposia Proceedings**

**International**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
<b>Ramesh S.T</b>	An Innovative system for the co-disposal of Municipal solid waste & domestic sewage	International workshop on Environment & Energy	14	Environment & Energy	Periyar Maniammai College for women, Vallam, Tanjore	1-3 November 2001
<b>Ramesh S.T</b>	An Energy recovery from kitchen refuse	International workshop on Environment & Energy	pp. 43	Environment & Energy	Periyar Maniammai college for women, Vallam, Tanjore	1-3 November 2001
<b>Ramesh S.T</b>	Biomass as Energy source – Energy recovery from water hyacinth by Anaerobic Digestion	International conference on New Millennium – Alternative Energy Solutions for Sustainable Development,	468-473	Alternative Energy Solutions for Sustainable Development	P.S.G College of Technology, Coimbatore	9 – 11 January 2003
<b>Ramesh S.T</b>	Impact of flow variation and BOD variation on Food to micro organism ratio in the Activated sludge process – A simulation Study	International conference on Environment, Ecology & pollution	pp. 25	Environment, Ecology & pollution	Arunai Engineering College, Tiruvannamalai	6 – 7 January 2005
<b>Ramesh S.T</b>	Evaluation of the effect of Recirculation ratio on the performance of Activated sludge process	International conference on water & health (WAH-05)	pp. 71	Water & health	S.J. College of Engineering, Mysore	21 – 22 January 2005

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S.T.Ramesh, S.Mohan,	Effect of flow variation and BOD variation on MLSS in the Activated sludge process-A simulation study	Proc. 4th IWA Activated Sludge Population Dynamics Specialist Conference-Microbial Population in Biological Wastewater Treatment (ASPD4)		Activated Sludge Population Dynamics	Gold Coast, Queensland	17 –20 July 2005.
S.T. Ramesh, S.Mohan,	Effect of flow variation and BOD variation on MLSS in the Activated sludge process”	International conference on Environmental Management (ICEM-2005)	103-107	Environmental Management	., JNTU, Hyderabad	28–30 October 2005
S.T. Ramesh , S.Mohan	Recirculation Ratio optimisation: a new dimension for the control of biological wastewater treatment systems	International congress of chemistry and Environment (ICCE-2005) Indore	-	Chemistry and Environment	International congress of chemistry and Environment (ICCE-2005) Indore	24th –26th December, 2005
S.T. Ramesh, S.Mohan	Development of Recirculation ratio Optimization Model for Activated Sludge Process by Genetic Algorithms	International Interdisciplinary Conference for Environmental Protection	-	Environmental Protection	Coimbatore Institute of Technology, Coimbatore	Jan. 7-9, 2006
K.S. Bharathi, <b>S. T. Ramesh</b>	Evaluation of agricultural waste as a novel non-conventional low cost adsorbent for the removal of Cu(II) from aqueous solution	International Conference on Sustainable water Resource Management and Treatment Technologies	pp. 70.	Sustainable water Resource Management and Treatment Technologies	National Environmental Engineering Research Institute, Nagpur	19 – 21 January 2011
T. S. Anantha Singh, <b>S. T. Ramesh</b>	Application of Moringa Olifera seed extracts in water treatment as a	International Conference on Sustainable water	pp. 87	Sustainable water Resource	National Environmental Engineering Research	19 – 21 January 2011



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	Coagulant	Resource Management and Treatment Technologies		Management and Treatment Technologies	Institute, Nagpur,	
P. V. Nidheesh, R. Gandhimathi, <b>S. T. Ramesh</b>	Use of Mass Transfer Model for prediction of Crystal violet Adsorption Efficiency of Bottom Ash in fixed bed System	International Conference on Mathematical Modeling and Applications to Industrial problems	pp. 35-36	Mathematical Modeling and Applications to Industrial problems	National Institute Technology, Calicut	28 – 29, January 2011
K.S. Bharathi, <b>S. T. Ramesh</b>	Biosorption of crystal violet (A basic dye) from aqueous solution by Citrullus Lanatus (Water melon) Rind	International Conference of Environmental research	pp. 138	Environmental research	Sardar Vallabhbhai Paten National Institute Technology Surat	15 – 17 December 2011
Gopi Teja Sri, <b>S. T. Ramesh</b> , M. Gunasheela, R. Venkat Saravanan	Active Treatment Technology for precipitating metals from Acid Mine Drainage using Calcium Hydroxide, Sodium Hydroxide and Calcium Silicate	International Conference on Environment and Energy	-	Environment and Energy	Jawaharlal Nehru Technological University Hyderabad	15-17, December 2014
Dhivya S, <b>S. T. Ramesh</b> , R, Gandhimathi,	Effectiveness of a plant based natural coagulant extracted from plantago ovata seeds: Potential for water application	International Conference on Environment and Energy	-	Environment and Energy	., Coimbatore Institute of Technology, Coimbatore	, 7-9, January 2015.
Tusi Mandal, <b>S. T. Ramesh</b>	Synthesis, Characterization and evaluation of sorptive property of Zerovalent iron for the removal of Megenta MB dye from aqueous solution	International conference on new frontiers in chemical, energy and environmental engineering (INCEEE)	-	New frontiers in chemical, energy and environmental engineering	Department of Chemical Engineering, National Institute of Technology, Warangal,	March 20-21, 2015.

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Shara siby, <b>S. T. Ramesh,</b>	Evaluation of the photocatalytic activity of TiO <sub>2</sub> catalyst for the degradation of organic pollutants under UV-A irradiation	International Conference on Natural resource restoration technologies,	-	Natural resource restoration technologies	Department of Biotechnology. PSG college of technology	17-18, April 2015.
Archana P Abraham, <b>S. T. Ramesh</b>	Performance analysis of electrolysis integrated tidal flow constructed wetland system for nutrient removal	International Conference on Natural resource restoration technologies	-	Natural resource restoration technologies	Department of Biotechnology, PSG college of technology	17-18, April 2015
Bandaru Hemanth, Jammi Ashok <b>S. T. Ramesh</b>	Improvement of existing water distribution system of new avenue of NIT Trichy using EPANET – A case study	3dr international conference on modeling and simulation in Civil Engineering	-	modeling and simulation in Civil Engineering	National Institute of Technology, Calicut	11 December 2015

**National Conferences**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
<b>Ramesh, S.T.</b>	Pilot plant study on combined treatment of Kitchen refuse & domestic effluent by anaerobic digestion	6 <sup>th</sup> seminar cum exhibition on student project scheme	174 –175	-	Tamilnadu state council for science & technology – Karaikudi	25 <sup>th</sup> July 1998
<b>Ramesh, S.T.</b>	Kinetic Analysis for anaerobic digestion of water hyacinth	All India seminar on Solid waste management for towns	-	-	Institute of Engineers (India) Palghat Local Centre & Co – sponsored by Science & technology & Environmental Department Govt. of Kerala	February 20, 2000

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<b>Ramesh, S.T.</b>	Inventory Approach for Sustainable development	National seminar on Energy and Environment for sustainable development at Centre for Rural development & Appropriate Technologies (Ce RDAT)	-	Energy and Environment for sustainable development	Department of Civil Engineering, S.V.University Tirupathi	February 25,26 2000
<b>Ramesh, S.T.</b>	Impact study on water scarcity in the coastal area of Tamilnadu	National seminar on “Environmental awareness, education and management for sustainable rural development NSERD	-	Environmental awareness, education and management for sustainable rural development	S.V University Tirupathi	August 24 – 26, 2000
<b>Ramesh, S.T.</b>	Interpolation & Curve fitting	ISTE short-term course on “Computational Methods in Civil Engineering’	2.1 –2.13	Computational Methods in Civil Engineering	Department of Civil Engineering, Kongu Engineering College, Erode	09 – 22 November 2000
<b>Ramesh, S.T.</b>	Composite Materials	National seminar & Exhibition on Innovative Construction Materials	85-87	Innovative Construction Materials	VJTI, Matunga, Mumbai	January 20-21, 2001
<b>Ramesh, S.T.</b>	Feasibility study on anaerobic digestion of Garbage using Lime pre treatment	National conference on Control of industrial pollution & Environmental Degradation	354-357	Control of industrial pollution & Environmental Degradation	PSG College of Technology, Coimbatore	14 - 15 September 2001

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<b>Ramesh, S.T.</b>	An Energy recovery from water hyacinth by anaerobic decomposition	National conference on pollution: Impact & emerging Remedial measures	12-14	Pollution: Impact & emerging Remedial measures	Gramin polytechnic Nanded, Maharashtra	25-26 November 2001
<b>Ramesh, S.T.</b>	Adsorption studies on Lead removal using the activated carbon prepared from glauca benth fruit	National conference on pollution: Impact & emerging Remedial measures	93-95	Pollution: Impact & emerging Remedial measures	Gramin polytechnic Nanded, Maharashtra	25-26 November 2001
<b>Ramesh, S.T.</b>	Integrated Rural – Urban Energy Planning	XVI Indian Engineering Congress National seminar on rural development for a Healthy Rural	26-30	Rural development for a Healthy Rural	Urban interface at Indian Institute of Technology, Kharagpur	December 1-4, 2001
<b>Ramesh, S.T.</b>	Globalization – An overview	Proc. Seminar on Technology Management	122-124.	Technology Management	Kongu Engineering College	3 – 5 January 2002
<b>Ramesh, S.T.</b>	Hazardous Waste Management	National Conference on “Pollution Control and Industrial Ecology”	22-26	Pollution Control and Industrial Ecology	Thiagarajar College of Engineering, Madurai	February 27-28, 2002
<b>Ramesh, S.T.</b>	GIS Applications	National Conference on “Pollution Control and Industrial Ecology”	138-142	Pollution Control and Industrial Ecology	Thiagarajar College of Engineering, Madurai	February 27-28, 2002
<b>Ramesh, S.T.</b>	Environmental Audit	National Conference on “Pollution Control and Industrial Ecology”	135-137	Pollution Control and Industrial Ecology	Thiagarajar College of Engineering, Madurai	27-28 February, 2002

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<b>Ramesh, S.T.</b>	Rain Water harvesting	National Conference on “Modern Trends in Water Resources Development and Environmental Management”	B-1 to B-6	Modern Trends in Water Resources Development and Environmental Management	Vellore Institute of Technology, Deemed University, Vellore	7-8 March 2002
<b>Ramesh, S.T.</b>	Artificial Recharge of Ground Water	National Conference on “Modern Trends in Water Resources Development and Environmental Management	B-26 to B-29	Modern Trends in Water Resources Development and Environmental Management	Vellore Institute of Technology, Deemed University, Vellore	7-8 March 2002
<b>Ramesh, S. T.</b>	GIS Applications	National Seminar on “Water Resources Systems Planning and Management	E-20 to E-27	Water Resources Systems Planning and Management	Department of Civil Engineering, Annamalai University, Chidambaram	7-8 March 2002
<b>Ramesh, S.T.</b>	Fight Against Water Pollution – A Case Study on Conservation and Reuse of Waste Water in Kongu Campus	National Seminar on “Civil Engineering Strategies in the making of India a Global Giant	119 to 123	Civil Engineering Strategies in the making of India a Global Giant	Crescent Engineering College, Chennai	2-3 October 2002
<b>Ramesh, S.T.</b>	Municipal Solid Waste Management in Erode City	20 <sup>th</sup> National convention of IPHE on “Environmental Engineering	. 75	Environmental Engineering	GITAM Engineering College, Visakhapatnam	22 –24 August 2002
<b>Ramesh, S.T.</b>	Biomedical Waste Management in Erode Government Hospital	20 <sup>th</sup> National convention of IPHE on “Environmental Engineering	76-84	Environmental Engineering	GITAM Engineering College, Visakhapatnam	22 –24 August 2002

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<b>Ramesh, S.T.</b>	To prevent ground water pollution by recycling & reuse of domestic waste water	National seminar on "Ground water management & rural development	46-51	Ground water management & rural development	Anjuman Engineering College	9 –10 October 2002
<b>Ramesh, S.T.</b>	Recharge of Ground water by Artificial methods	National seminar on "Ground water management & rural development	87-91	Ground water management & rural development	Anjuman Engineering College	9 –10 October 2002
<b>Ramesh, S.T.</b>	Lead removal using the activated carbon prepared from Leucanena Glauca Benth by Adsorption technique	National conference on "Hydro chemical, Bio chemical studies and environmental pollution	-	Hydro chemical, Bio chemical studies and environmental pollution	Department of Chemistry, Maulana Azad College	19-20 August 2002
<b>Ramesh, S.T.</b>	Disposal of Garbage by Anaerobic decomposition	National conference "Hydro chemical, Bio chemical studies and environmental pollution	-	Hydro chemical, Bio chemical studies and environmental pollution	Department of Chemistry, Maulana Azad College	19-20 August 2002
<b>Ramesh, S.T.</b>	Environmental Hydraulics-Flow and Pressure Equalization in Water Supply in Multistoried Buildings	Conference on Hydraulics, Water Resources & Ocean Engineering, HYDRO-2002	478-483	Hydraulics, Water Resources & Ocean Engineering	IIT Bombay	16 – 17 December 2002
<b>Ramesh, S.T.</b>	Can rain water harvesting be a solution to drinking water problems	Workshop on water conservation and water management	37-44	water conservation and water management	The Institution of Engineers (India) under the aegis of Neyveli Lignite Corporation, Neyveli	February 8, 2003

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<b>Ramesh, S.T.</b>	Environmental Issues in Interlinking of rivers	Workshop on Interlinking of rivers	18-20	Interlinking of rivers	Satyabama Deemed University, Chennai	27-29 January 2004
<b>Ramesh, S.T.</b>	Current Environmental Issues	Faculty development programme on Enhancing the quality of education and imparting for teachers in technical institutions in Tamilnadu	8-24	Enhancing the quality of education and imparting for teachers in technical institutions in Tamilnadu	Kongu Engineering College, Perundurai, Erode,	31 May – 5 June 2004
<b>Ramesh, S.T.</b>	Micro organisms and their role in the Activated sludge process	National workshop on recent trends in pollution control and Environmental conservation (ENVIRON-TECH-2K4),	-	Recent trends in pollution control and Environmental conservation	Department physical sciences and research, Bannari Amman Institute of technology, Sayamangalam, Erode, 15	16 July 2004
<b>Ramesh, S.T.</b>	Activated sludge Micro Biology problems and their control	National workshop on Recent trends in pollution control and Environmental conservation (ENVIRON-TECH-2K4),	-	Recent trends in pollution control and Environmental conservation	Department physical sciences and research, Bannari Amman Institute of technology, Sayamangalam, Erode,	15 – 16 July 2004
<b>Ramesh, S.T.</b>	Engineering interventions to reduce Environmental stresses	National workshop on Environmental Science and Engineering	-	Environmental Science and Engineering	Bannari Amman Institute of technology, Sayamangalam, Erode	22 - 24 July 2004.

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<b>Ramesh, S.T.</b>	Tools for Environmental Management	National workshop on Environmental Science and Engineering	-	Environmental Science and Engineering	Bannari Amman Institute of technology, Sayamangalam, Erode,	22 - 24 July 2004
<b>Ramesh, S.T.</b>	Pollution control acts and regulations in India	National workshop on Environmental Science and Engineering	-	Environmental Science and Engineering	Bannari Amman Institute of technology, Sayamangalam, Erode,	22 - 24 July 2004
<b>Ramesh, S.T.</b>	Removal of fluoride from drinking water using different treatment techniques	National workshop on Nutritional effects on Flourosis,	120-127	Nutritional effects on Flourosis	TWAD board, Chennai	20 November 2004
<b>Ramesh, S.T.</b>	Arsenic treatment technologies for soil, waste and water	AICTE-ISTE Short-term training programme on Hazardous Waste Management and Water pollution Control	-	Hazardous Waste Management and Water pollution Control	Department of Civil Engineering, Kongu Engineering college, Perundurai, Erode	28 November to 11 December 2004
<b>Ramesh, S.T.</b>	Waste management in Health care Facilities- A Review”	AICTE-ISTE Short-term training programme on Hazardous Waste Management and Water pollution Control conducted by Department of Civil Engineering	-	Hazardous Waste Management and Water pollution Control	Kongu Engineering college, Perundurai, Erode	28 November to 11 December 2004



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<b>Ramesh, S.T.</b>	Effect of recirculation ratio on the Activated sludge process with different wastage options	Third Indian Environment Congress	46	-	Centre for Environment and development, Trivendrum	16-18 December 2004
<b>Ramesh, S.T.</b>	Environmental Impact assessment for domestic solid waste landfill projects	National / International seminar on EIA studies- planning perspectives	29	seminar on EIA studies- planning perspectives	Department of Geography, Osmania University, Hyderabad	21-22 March 2005
<b>Ramesh, S.T.</b>	Waste management in Health care Facilities- A Review	National conference on Solid and Hazardous waste Management problems and Solutions	-	Solid and Hazardous waste Management problems and Solutions	International development centre foundation, New Delhi	April 28-29, 2005
<b>Ramesh, S.T.</b>	An approach to controlling Sludge Age in the Activated Sludge Process	National conference on Sustainable development of Environment for future generation	-	Sustainable development of Environment for future generation	Centre for Water and Environmental Studies, Kumaraguru College of Technology, Coimbatore	July 14-15, 2005
<b>Ramesh, S.T.</b>	Development and application of model for the control of activated sludge process	National workshop on Environmental modeling and simulation	-	Environmental modeling and simulation	Bannari Amman Institute of technology, Sayamangalam,	12 <sup>th</sup> August 2006
<b>Ramesh, S.T.</b>	E-Waste: The new waste crisis	National workshop on Management of contemporary environmental issues for sustainable development	-	Management of contemporary environmental issues for sustainable development	K.S.R College of Technology, Tiruchengode	21 <sup>st</sup> September 2006.

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<b>Ramesh, S.T.</b>	Wastewater treatment Technologies,	QIP short term course on Recent advancements in Environmental Engineering	-	Recent advancements in Environmental Engineering		19-23 February 2007
<b>Ramesh, S.T.</b>	Environmental Impact Assessment,	QIP short term course on "Recent advancements in Environmental Engineering	-	Recent advancements in Environmental Engineering		19-23 February 2007
<b>Ramesh, S.T.</b>	Biomedical waste management	QIP short term course on "Recent advancements in Environmental Engineering	-	Recent advancements in Environmental Engineering		19-23 February 2007
<b>Ramesh, S.T.</b>	Perspectives of Electronic Waste Management	AICTE sponsored staff development programme on remote sensing and GIS & GPS Applications in Modern surveying and Environmental Studies	-	Remote sensing and GIS & GPS Applications in Modern surveying and Environmental Studies	Government college of Engineering, Salem	7 <sup>th</sup> March, 2007
<b>Ramesh, S.T., P.Jayabalan, R. Gandhimathi</b>	Management of Municipal solid waste incineration residues	National seminar on Fly ash utilization avenues in Civil Engineering (FAUACE – 2007)	-	Fly ash utilization avenues in Civil Engineering	K.L.E. Society's College of Engineering and technology, Belgaum	9-10 <sup>th</sup> March 2007
<b>Ramesh, S.T.</b>	Management of Municipal solid waste incineration residues	One day work shop on Quality in building construction,	19-27	Quality in building construction,	Civil Engineers federation of Tiruchirappalli	18 <sup>th</sup> March 2007

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		Insurance, Solid waste management and corrosive protective methods in concrete structures		Insurance, Solid waste management and corrosive protective methods in concrete structures	CEFTRON-2007	
<b>Ramesh, S.T.</b>	Plastic waste management in construction – Technological and Institutional Issues”	Solid waste management and corrosive protective methods in concrete structures	28-38.	Quality in building construction, Insurance, Solid waste management and corrosive protective methods in concrete structures	Civil Engineers federation of Tiruchirappalli, CEFTRON-2007,	18 <sup>th</sup> March 2007
<b>Ramesh, S.T.</b>	Water and effluent Quality standards and their Implications	Training programme on Water Quality management	147-173	Water Quality management	Department Civil Engineering, Indian Institute of Technology Madras, Chennai-36	7-11 <sup>th</sup> May , 2007
<b>Ramesh, S.T.</b>	Membrane bioreactors and their potential application in the treatment of wastewater	Training programme on Water Quality management	120-134	Water Quality management	Department Civil Engineering, Indian Institute of Technology Madras, Chennai-36,	7-11 <sup>th</sup> May, 2007
<b>Ramesh, S.T.</b>	Sustainable Solid waste management	Staff development programme on		Collection and compilation of	Department Civil Engineering, Periyar	17-27 July 2007

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		Collection and compilation of data on Municipal solid waste and their analysis for appropriate treatment and disposal		data on Municipal solid waste and their analysis for appropriate treatment and disposal	Maniammai College for women, Vallam, Tanjore,	
<b>Ramesh, S.T.</b>	Plastic waste management in construction : Technological issues	National seminar on recycling of waste materials in concrete	96-106	Recycling of waste materials in concrete	Kongu Engineering College, Perundurai, Erode,	16-17 August 2007
<b>Ramesh, S.T.</b>	Utilization of residues from municipal waste incineration	National seminar on recycling of waste materials in concrete	107-115	Recycling of waste materials in concrete	Kongu Engineering College, Perundurai, Erode	16-17 August 2007
<b>Ramesh, S.T.</b>	Air Quality Impacts	Training programme on MIS- Environmental Impact Assessment for Engineers of Public works department,	140 – 156	Environmental Impact Assessment	Govt. of Tamilnadu, Centre for Environmental Management, National Institute of Technical Teachers Training and Research	23 – 27 <sup>th</sup> November 2009
<b>Ramesh, S.T.</b>	The role of risk assessment and risk management in environmental assessment	Training programme on MIS- Environmental Impact Assessment for Engineers of Public works department, Govt. of Tamilnadu,	170 – 187	Environmental Impact Assessment	Centre for Environmental Management, National Institute of Technical Teachers Training and Research	. 23 – 27 <sup>th</sup> November 2009
P. V. Nidheesh, R. Gandhimathi,	Use of mass transfer model for prediction of	National Conference on Biological	35-36	Biological Wastewater	Department of Chemical	28 – 29 January

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<b>S. T. Ramesh</b>	crystal violet adsorption efficiency of bottom ash in fixed bed system	Wastewater treatment towards Green Environment		treatment towards Green Environment	Engineering, National Institute of Technology Calicut, Kozhikode	2011
K.S. Bharathi, <b>S. T. Ramesh</b> , R. Gandhimathi	Evaluation of timber residue as a novel non-conventional low cost adsorbent for the removal of copper and zinc from aqueous solution	National Conference on Biological Wastewater treatment towards Green Environment	24-25	Biological Wastewater treatment towards Green Environment	Department of Chemical Engineering, National Institute of Technology Calicut, Kozhikode	28 – 29 January 2011
Manoj Taywade, <b>S. T. Ramesh</b> , R. Gandhimathi	Adsorptive Removal of Fluoride onto Fly ash: Kinetics And Isotherms	CSIR Sponsored National Conference on Recent Applications of Nano materials in Chemistry and Environmental Research	47	Recent Applications of Nano materials in Chemistry and Environmental Research	Kongu Engineering College, Erode	18 – 19, February 2011
<b>S. T. Ramesh</b> , R. Gandhimathi, S. Kanmani, P. V. Nidheesh	Solid Waste Management: Need, Innovations And Strategies - A Case Study of Madurai Municipal Corporation, Tamil Nadu,	National Conference on Emerging trends in Engineering and Technology	35	Emerging trends in Engineering and Technology	Government Engineering College, Kozhikode	25 – 26, February 2011
<b>S. T. Ramesh</b> , R. Gandhimathi	Wastewater reuse: an environmentally sound approach for sustainable water management	CSIR Sponsored National Seminar on Sustainable wastewater treatment and reuse	-	Sustainable wastewater treatment and reuse	Kongu Engineering College, Erode	11 <sup>th</sup> March 2011

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<b>S. T. Ramesh,</b> R. Gandhimathi	Advanced wastewater treatment: removal of nitrogen and phosphorous from wastewater,	CSIR Sponsored National Seminar on Sustainable wastewater treatment and reuse	-	Sustainable wastewater treatment and reuse	Kongu Engineering College, Erode,	11 <sup>th</sup> March 2011
P.V. Nidheesh, R. Gandhimathi, <b>S. T. Ramesh,</b> T. S. Anantha Singh,	Adsorption of Methylene blue by Bottom Ash – Kinetic and equilibrium studies	National Conference on Environmental Challenges towards sustainability	74.	Environmental Challenges towards sustainability	Government College of Technology, Coimbatore,	24 – 25, March 2011
T. S. Anantha Singh, S. Kanmani , P.V. Nidheesh, K. S. Bharathi, Dr. R. Gandhimathi, <b>S. T. Ramesh,</b>	Rapid Environmental Impact Assessment Tool for the open dumping site Ariya mangalam, Trichy, Tamilnadu	National Conference on Environmental Challenges towards sustainability	-	Environmental Challenges towards sustainability	Government College of Technology, Coimbatore	24 – 25, March 2011
<b>S. T. Ramesh,</b> R. Gandhimathi, P.V. Nidheesh	Recent advances and problems associated with the use of geosynthetics in containment approach in landfill management facilities	National Conference on Advances in Engineering geology and Geotechnical Engineering	61-67	Advances in Engineering geology and Geotechnical Engineering	Government College of Engineering Kannur,	29 – 30, March 2011
T. S. Anantha Singh, <b>S. T. Ramesh,</b>	Coagulation efficiency of Styryl Potato Seed extract a natural coagulant	National Conference on Emerging Technologies	-	Emerging Technologies	Anna University of Technology Tirunelveli,	6 <sup>th</sup> May 2011
K. S. Bharathi, J. Hamoneth Joesun, <b>S. T. Ramesh,</b> Dr. R. Gandhimathi,	Fixed bed column study for Cu (II) ion removal from aqueous solution using Cyperus Rotundus,	National Conference on case studies in Environmental Management	147-150	Case studies in Environmental Management	VNIT Nagpur	March 05-06, 2011

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K. S. Bharathi, <b>S. T. Ramesh</b>	Adsorption on crystal violet on to Cyperus Rotundus	National Conference on recent advances in Chemical and Environmental Engineering	126	Recent advances in Chemical and Environmental Engineering	NIT Rourkela	January 20-21, 2012
<b>S. T. Ramesh,</b>	Solid waste Management	National Workshop on "Environmental degradations and solutions	9-18	Environmental degradations and solutions	Environmental cell Sub division, TNPWD, Madurai	2, 23 <sup>rd</sup> February 2012,
<b>S. T. Ramesh</b>	Hazard Identification, Risk Assessment And Control Measures For Major Hazard Facilities	Training programme on "Health and safety aspects for ETP / CETP / STP Operators"	1-12.	Health and safety aspects for ETP / CETP / STP Operators	Tamilnadu Pollution Control Board, Trichy,	13 <sup>th</sup> March 2012,
T.S.Anantha Singh, <b>S. T. Ramesh</b>	Comparison of electro coagulation using iron and aluminum electrodes for the removal of Reactive Blue 25 dye from aqueous solution	National level Techosium, SELECT – X3 (Seminar on Electrochemical and Chemical Technology)	14	Electrochemical and Chemical Technology	Central Electro chemical Research Institute (CECRI), Karaikudi	15 <sup>th</sup> and 16 <sup>th</sup> February 2013
Seena Mithra S, <b>S. T. Ramesh</b>	Electro coagulation: An Experimental Study of Phosphate Removal from Aqueous Solution Using Aluminium Electrode	National level Techosium, SELECT – X3 (Seminar on Electrochemical and Chemical Technology)	15.	Electrochemical and Chemical Technology	Central Electrochemical Research Institute (CECRI), Karaikudi,	15 <sup>th</sup> and 16 <sup>th</sup> February 2013
Nimisha Tiwari, <b>S. T. Ramesh,</b>	Effectiveness of low strength wastewater treatment using Anaerobic Sequential Batch Reactor at ambient temperature	National level Techosium, SELECT – X3 (Seminar on Electrochemical and Chemical Technology)	18	Electrochemical and Chemical Technology	Central Electrochemical Research Institute (CECRI), Karaikudi,	15 <sup>th</sup> and 16 <sup>th</sup> February 2013

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Shweta Gupta, <b>S. T. Ramesh</b>	Performance of Halotolerant Marine Cultures on Organic Removal from Saline Wastewater	National level Techosium, SELECT – X3 (Seminar on Electrochemical and Chemical Technology)	37	Electrochemical and Chemical Technology	Central Electrochemical Research Institute (CECRI), Karaikudi,	15 <sup>th</sup> and 16 <sup>th</sup> February 2013
P. Saranya, <b>S. T. Ramesh</b>	Effectiveness of alginate as potential coagulant for the treatment of turbid water	National level Techosium SELECT – X3 (Seminar on Electrochemical and Chemical Technology),	42	Electrochemical and Chemical Technology	Central Electrochemical Research Institute (CECRI), Karaikudi,	15 <sup>th</sup> and 16 <sup>th</sup> February 2013
M. S. Keerthana Rani, <b>S. T. Ramesh</b>	Treatment of paint wastewater by electo coagulation using aluminum electrodes	National level Techosium, SELECT – X3 (Seminar on Electrochemical and Chemical Technology)	61.	Electrochemical and Chemical Technology	Central Electrochemical Research Institute (CECRI), Karaikudi	15 <sup>th</sup> and 16 <sup>th</sup> February 2013
Femina. G. M, <b>S. T. Ramesh,</b>	Kinetics and equilibrium of fluoride sorption on laterite	National level Techosium, SELECT – X3 (Seminar on Electrochemical and Chemical Technology),	69.	Electrochemical and Chemical Technology	Central Electrochemical Research Institute (CECRI), Karaikudi	15 <sup>th</sup> and 16 <sup>th</sup> February 2013
P. Saranya, <b>S. T. Ramesh</b>	Treatment of turbid water using algal alginate	National Conference on Recent Trends in Civil and Environmental Engineering (RTCEE'13)	-	Recent Trends in Civil and Environmental Engineering	Bharathidasan Institute of Technology (A constituent College of Anna University Chennai), Tiruchirappalli	19 <sup>th</sup> April 2013
Shweta Gupta, <b>S. T. Ramesh</b>	Performance of Marine soil microbial flora for the treatment of Saline Wastewater	National Conference on Recent Trends in Civil and Environmental Engineering (RTCEE'13),	-	Recent Trends in Civil and Environmental Engineering	Bharathidasan Institute of Technology (A constituent College of Anna University Chennai), Tiruchirappalli	19 <sup>th</sup> April 2013



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Archana Abraham, <b>S. T. Ramesh,</b>	Preliminary study on nutrient removal using a novel electrolyte integrated tidal flow constructed wetland	National conference on Quest for advancement in Civil Engineering	-	Advancement in Civil Engineering	SRM University, Chennai	March 18-20, 2015
Chithira Venu, <b>S. T. Ramesh,</b>	Effects of Operational Parameters on Phosphorous Removal using PEC Reactor	Sustainable Civil Engineering Practices, SCEP-2015	-	Sustainable Civil Engineering Practices	Department of Civil Engineering, PSG College of Technology, Coimbatore	14 <sup>th</sup> May 2015
Keerthi K.G., <b>S. T. Ramesh,</b>	Bio decolorization of synthetic dye solution of Reactive Blue 25 using Yeast cells	Sustainable Civil Engineering Practices, SCEP-2015	-	Sustainable Civil Engineering Practices	Department of Civil Engineering PSG College of Technology, Coimbatore	14 <sup>th</sup> May 2015
Chithira Venu, <b>S. T. Ramesh,</b>	Effects of Operational Parameters on phosphorous removal using Ferrous and Aluminium salts: A preface to PEC Reactor Study	Environmental Challenges towards Sustainability-2015	-	Environmental Challenges towards Sustainability	Department of Environmental Engineering, Government College of Technology, Coimbatore	15 <sup>th</sup> May 2015
Keerthi K.G., <b>S. T. Ramesh,</b>	Decolorization of synthetic dye solution of Reactive Blue 25 using Yeast cells,	Environmental Challenges towards Sustainability-2015	-	Environmental Challenges towards Sustainability	Department of Environmental Engineering, Government College of Technology, Coimbatore	15 <sup>th</sup> May 2015

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(C) Books & Monographs

<b>Author(s)</b>	<b>Title of Book/Monograph</b>	<b>Name of Publishers</b>	<b>Year of Publication</b>	<b>ISSN/ISBN Number</b>
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