

National Conference on  
**ENERGY AND ENVIRONMENT**

16<sup>th</sup> and 17<sup>th</sup> September 2016  
 CODDISSIA Trade Fair Complex, Coimbatore

[Program schedule on 16.09.2016](#)

Time	Program		Faculty incharge	Scholar incharge
8.30 AM – 9.30 AM	Registration		Dr. P. Jegathambal Water Institute Karunya University	S. Sruthy & K. Neenu IIT Madras
9.30 AM – 10.30 AM	Inaugural Function	Chief guest yet to be decided	Dr. N. Ramsundaram Assistant Professor KCT, Coimbatore	D. Gokul & P. Balakrishnan IIT Madras
10.30 AM – 11.00 AM	Tea break			
Time	Program	Speaker	Topic	
11.00 AM – 11.45 AM	Plenary lecture 1	Dr. Remy Gourdon Professor, INSA Lyon, France	Innovative Solid Waste Management – International Perspectives	
11.45 AM – 12.30 PM	Plenary lecture 2	Dr. G.V. Subrahmaniam Former Advisor Ministry of Environment and Forests New Delhi	Environmental Policies for Industrial Pollution Control	
12.30 PM – 1.15 PM	Plenary lecture 3	Prof. N.K. Kishore IIT Kharagpur	On the Development of Hybrid Microgrid	
1.15 PM – 2.00 PM	Lunch			

**Environment First day 16.09.16**

**Parallel Session: I**

**Technical Session 1: Water and Wastewater Treatment**

**Time: 2.00 – 4.00 PM**

<b>Chairman</b> Dr.S. Kanmani, Professor & Director, CES, Anna University		<b>Rapporteur</b> Dr. R. Saravanan, Associate Professor, CWR, Anna University		<b>Faculty incharge</b> Dr. S.T. Ramesh Associate Professor NIT Trichy		<b>Scholar incharge</b> P. Saranya IIT Madras	
<b>Time</b>		<b>Program</b>		<b>Speaker</b>		<b>Topic</b>	
2.00 PM to 2.30 PM		Key note speaker		Dr. Shyam Asolekar Professor CESE, IIT Bombay		Advances in Industrial Wastewater Treatment	
2.30 PM – 4.00PM		<b><u>Oral Paper Presentation</u></b>					
<b>S.No.</b>	<b>Ref. No</b>	<b>Title</b>				<b>Institution</b>	<b>Authors</b>
1.1	Env-01-01	Emerging Contaminants in Storm Water				IIT, Madras	P. Balakrishnan and S. Mohan
1.2	Env-01-02	Treatment of Textile Dyeing Wastewater Using Ozone Based AOP in A Pilot Scale Reactor				Anna Univ., Chennai	B. Shriram and S. Kanmani
1.3	Env-01-03	Wastewater Hydroponics Bubble Technology for Improved Urban Agriculture and Ecological Conservation				Anna Univ., Chennai	Saravanan.R., Uvashree Janani.M and Siva Ranjani.K
1.4	Env-01-04	Photo Catalyst Assisted AOP for Treatment of Textile Effluent Water				TCE, Madurai	R.Saravanakumar and M.Kottaisamy
1.5	Env-01-05	Aerobic Treatment of Wastewater in SBR- An Experimental Study				CUSAT, cochin	Bindhu B. K., and Madhu G
1.6	Env-01-06	Specious and Effectiveness of Aluminum Formate as A Coagulant: Promising for Water Treatment				NIT,Trichy	Addagada lavanya and S. T. Ramesh
1.7	Env-01-07	Co-Digestion of Municipal Wastewater Treatment				Madurai Corpn., Madurai	Er. M. Madhuram
4.00 PM –4.15 PM		Tea Break					

**Environment First day 16.09.16**

**Parallel Session: I    Technical Session 2: Sustainability Engineering for Environmental Protection    Time: 2.00 – 4.00 PM**

<b>Chairman</b> B. Sengupta Former Member Secretary, CPCB		<b>Rapporteur</b> Dr. B.K. Bindhu Associate Professor RIT, Kottayam		<b>Faculty incharge</b> Dr. S. Chandran Associate Dean TCE, Madurai		<b>Scholar incharge</b> D. Gokul IIT Madras	
<b>Time</b>		<b>Program</b>		<b>Speaker</b>		<b>Topic</b>	
2.00 PM to 2.30 PM		Key note speaker		Er. Ilangovan Superintending Engineer PWD, Pollachi		Sustainability Development for Environmental Management	
2.30 PM – 4.00PM		<b><u>Oral Paper Presentation</u></b>					
<b>S.No.</b>	<b>Ref. No</b>	<b>Title</b>				<b>Institution</b>	<b>Authors</b>
2.1	Env-02-01	Arsenic Sequestration from Water by Employing Silver and Titanium Nano Particles Synthesized from Eichhornia Crassipes				GCT, Coimbatore	Lakshmi Priya Thyagarajan, Meenambal.T Swathi Sudhakar
2.2	Env-02-02	Bioremediation of Pulp and Paper Industry Secondary Solids with Least Phytotoxic End Product				GCT, Coimbatore	Meenambal.T, Lakshmi Priya Thyagarajan, Swathi Sudhakar
2.3	Env-02-03	A Review on Thermal Energy Audit and Energy Savings in Cement Industries				KCT, Coimbatore	S.B Nithyananth and S.R Sanjeev Kumar
2.4	Env-02-04	Smart Waste Management in Smart Cities with Lo T And BDA				Karunya University, Coimbatore	Lidiya Rachel Jaco, Dr. E. Grace Mary Kanaga and Dr. P. Jegathambal
2.5	Env-02-05	Comparative Study on Estimation of Carbon Foot Prints of Food Waste				Annamalai university	Dr. G. Senthil kumar P. Kirthiga
2.6	Env-02-06	Environmental Assessment of Pallikaranai Wetland and its Conservation				IIT Madras	Abhishek T and S Mohan
2.7	Env-02-07	Prosopis Juliflora Ash as An Admixture in Reactive Powder Concrete				TCE, Madurai	K. Arunachalam, M.Vigneshwari
4.00 PM –4.15 PM		Tea Break					

## Environment Second day 16.09.16

**Parallel Session: II Technical Session 3: Climate Change and Its Impact on water resources/Environment Time: 4.15 – 6.15 PM**

<b>Chairman</b> Dr. E.J. James, Director, Water Institute, Karunya University		<b>Rapporteur</b> Dr. S. Chandran Associate Dean, TCE Madurai		<b>Faculty incharge</b> Dr. R. Saravanane, Professor, PEC, Pondicherry		<b>Scholar incharge</b> Abhishek Tippa IIT Madras	
<b>Time</b>		<b>Program</b>		<b>Speaker</b>		<b>Topic</b>	
4.15PM to 4.45 PM		Key note speaker		Dr. Palani Swami IWMI, Hyderabad		Climate Change, Carbon Sequestration and Adaptation Practices	
4.45PM – 6.15PM		<b><u>Oral Paper Presentation</u></b>					
<b>S. No.</b>	<b>Ref. No</b>	<b>Title</b>			<b>Institution</b>	<b>Authors</b>	
3.1	Env-03-01	Irrigation Water Balance and Yield Measurement for Rice Crop Grown In Semi-Arid Coastal Lowland, Tamil Nadu, India			Annamalai University, Annamalai Nagar	R.S. Saravanan, A.Murugappan M.V.Sriramachandrasekharan	
3.2	Env-03-02	Sequestration of Carbon dioxide and production of Biofuel from Flue Gas of Thermal Power Plants			PEC, Puducherry	N. Madhivanan, Dr. R. Saravanane and Dr. M. Velan	
3.3	Env-03-03	Modern Approach to Tackle Traditional Challenges in Advanced Farming Technology			PSGIAS, Coimbatore	K. Manjunathan, Vijitha and K. K. Venkataraman	
3.4	Env-03-04	Water Availability Estimation In Context Of Climate Change Using MIKE Models			MPKV, Rahuri	V.R.Mandav, S.D.Gorantiwar and D.S.Pandit	
3.5	Env-03-05	Impact Assessment of Climate Change on Water Resource Availability in Vaigai River Basin: A Case Study			Anna University, Chennai	P.Selvan, Dr.S.Chandran, Dr.V.Kumar	
3.6	Env-03-06	Temporal Prediction of River Flow based on Climatic Variables			KCT Coimbatore	R.Kaviya, M.Karthic, N.Ramsundaram	
3.7	Env-03-07	Urban Rainwater Recharge – A New Approach			JNTU, Hyderabad	M.V.S.S. Giridhar and G.K. Viswanadh	
End of First Day							

**Environment First day 16.09.16**

**Parallel Session: II**

**Technical Session 4: Modern Tools for Environmental Management**

**Time: 4.15 – 6.15 PM**

<b>Chairman</b> Dr. T. Meenambal, Professor & HOD, GCT Coimbatore		<b>Rapporteur</b> Dr. P. Ester Jagathambal, Professor, Karunya University		<b>Faculty incharge</b> Dr. R. Gandhimathi Assistant Professor NIT Trichy		<b>Scholar incharge</b> S. Sruthy IIT Madras	
<b>Time</b>		<b>Program</b>		<b>Speaker</b>		<b>Topic</b>	
4.15PM to 4.45 PM		Key note speaker		Dr. S. Mohan Professor IIT Madras		Green Engineering Concepts and Its Application for Industrial Pollution Control	
4.45PM – 6.15PM		<b><u>Oral Paper Presentation</u></b>					
<b>S.No.</b>	<b>Ref. No</b>	<b>Title</b>				<b>Institution</b>	<b>Authors</b>
4.1	Env-04-01	Salt water intrusion studies using visual MODFLOW				Karunya University, Coimbatore	Graham Dunlop, P.Jegathambal, Aswin Kokkat, Edelgard Baumann, E. J. James
4.2	Env-04-02	An Integrated ICT Based Approach for Energy and Waste Management in Smart Drip Irrigation System				Karunya University, Coimbatore	M.S.P.Subathra John Livingston Chinta Joyson Blessing and Jegathambal
4.3	Env-04-03	An Approach Towards Energy Neutral Wastewater Treatment System				TCE, Madurai	Charles Chelliah, Kiruthika Eswari,
4.4	Env-04-04	Real Time Modeling of Groundwater Aquifer Systems				IIT, Madras	Neenu and S. Mohan
4.5	Env-04-05	Optimization of An Integrated Electrocoagulation/Electro Oxidation Process for The Treatment of Pulp and Paper Wastewater				NIT,Trichy	Kirti Tamta, A .S Ashwin and R Gandhimadhi
4.6	Env-04-06	Removal of Heavy Metals from Acid Mine Drainage (AMD)Contaminated with High Concentration Of Fe, Zn and Cu using Electrocoagulation				NIT,Trichy	Venkatasaravanan,S.T.Ramesh and M.Gunasheela
4.7	Env-04-07	Modeling Microbial Contaminant Transport in Water Distribution Networks				IIT, Madras	Abhijith G. R., Aneesh B and Mohan S

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Time	Program	Speaker	Topic
9.00 AM – 9.45 AM	Plenary lecture 1	Dr. Kalanithi Vairavamoorthy IWMI, Colombo, Sri Lanka	Urban Water Management in The Context of Smart City
9.45 AM – 10.30 AM	Plenary lecture 2	Dr. B. Sengupta Former Member Secretary, CPCB, India	Perspectives on Industrial Air Quality Control and Its Challenges
10.30 AM – 11.15 AM	Plenary lecture 3	Dr. Sukumar Mishra, IIT Delhi.	Grid integration issues of rooftop solar PV
11.15 AM – 11.30 AM	Tea Break		

**Environment Second day 17.09.16**

**Parallel Session: III**

**Technical Session 5: Environmental Quality Monitoring**

**Time: 11.30 – 1.30 PM**

<p align="center"><b>Chairman</b> A. Murugappan Professor Annamalai university</p>		<p align="center"><b>Rapporteur</b> Dr. S. T. Ramesh, Associate Professor, NIT Trichy</p>		<p align="center"><b>Faculty incharge</b> Dr. G. Senthil Kumar Assistant Professor Annamalai University</p>		<p align="center"><b>Scholar incharge</b> Charles Joseph IIT Madras</p>	
<b>Time</b>		<b>Program</b>		<b>Speaker</b>		<b>Topic</b>	
11.30AM –12.00PM		Key note speaker		Vivek Mariappan Senior Environmental Consultant, ABC Techno lab		Air Quality Management	
12.00PM – 1.30PM		<b><u>Oral Paper Presentation</u></b>					
<b>S.No.</b>	<b>Ref. No</b>	<b>Title</b>				<b>Institution</b>	<b>Authors</b>
5.1	Env-05-01	Modeling of Surface Level Ozone Over Delhi Region Using Data Mining Techniques				IIT, Madras	Saranya P and Mohan S
5.2	Env-05-02	Assessment of Water and Soil Quality in The Urban Stretch of Girudhumal River Basin, Tamil Nadu, India				TCE, Madurai	M.Dhanasekarapandian and S.Chandran
5.3	Env-05-03	Study of Air Quality in Chidambaram Town using AQI				Annamalai University	S.Sankaran, V.Kanakasabai & T.Velayutham
5.4	Env-05-04	Air Quality Assessment in the Heterogeneous Traffic near An Urban Highway				NIT, Trichy	Sree Lekha Kumar, Gandhimathi, Niveditha
5.5	Env-05-05	VOC Emission in An Industrial Area and Its Control				IIT, Madras	R. Ethirajan and S. Mohan
5.6	Env-05-06	One Dimensional Noyyal River Water Quality Modelling Using Qual2kw: A Case Study				KCT, Coimbatore	Suby and Ramsundaram
5.7	Env-05-07	Investigation of Ground water quality in coastal plain, Andra Pradesh, India				JNTU, Hyderabad	G.K .vishwanadh and Mohan Babu
5.8	Env-05-08	Complying With New Emission Norms For Thermal Power Projects – Issues And Challenges				NLC India Ltd	Dr.M.Velan

1.30 PM – 2.15 PM	Lunch
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**Environment First day 17.09.16**

**Parallel Session: III**

**Technical Session 6: Solid Waste Management**

**Time: 11.30 – 1.30 PM**

<b>Chairman</b> Dr. D. Govindarajulu Former Principal, PEC, Pondicherry		<b>Rapporteur</b> Dr. R. Saravanane, Professor, PEC, Pondicherry		<b>Faculty incharge</b> Dr. N. Ramsundaram Assistant Professor KCT, Coimbatore		<b>Scholar incharge</b> K. Neenu IIT Madras	
<b>Time</b>		<b>Program</b>		<b>Speaker</b>		<b>Topic</b>	
11.30AM –12.00PM		Key note speaker		Shri. M. Goutham Reddy Ramky Enviro Engineers Ltd, Hyderabad, Telangana		Sustainable Technologies for Solid Waste Management	
12.00PM – 1.30PM		<b><u>Oral Paper Presentation</u></b>					
<b>S. No.</b>	<b>Ref. No</b>	<b>Title</b>				<b>Institution</b>	<b>Authors</b>
6.1	Env-06-01	Advanced Oxidation Process for Landfill Leachate				IIT, Madras	Gokul D and Mohan S
6.2	Env-06-02	Impact of Leachate from Municipal Solid Waste Dumpsite on Ground Water in The Surrounding Environs				IIT, Madras	Vijay V, Charles P. Joseph, Mohan S.
6.3	Env-06-03	Bioleaching – Solubilization of Metals from E-Waste				GCT, Coimbatore	J. Senophiyah Mary, Dr. T. Meenambal
6.4	Env-06-04	Physical Parameters Influencing Bioleaching of Metals From E-Waste: A Review				PEC, Puducherry	S. Pradeepkumar, S.Govindaradjane, T.Sundararajan,
6.5	Env-06-05	Novel Approach for The Treatment of Biomedical Waste				IIT, Madras	Sruthy S and Mohan S
6.6	Env-06-06	Polyhydroxyalkanoates (PHA) Production from Oily Bilge Water Using Mixed Culture in Sequencing Batch Reactor(SBR)				NIT, Trichy	V.Uma and R. Gandhimathi
6.7	Env-06-07	Stabilized Landfill Leachate Treatment by Heterogeneous Fenton and Fenton-Like Process				NIT, Trichy	K.S. Hasim, B. Archa and R. Gandhimathi
1.30 PM – 2.15 PM		Lunch					

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**SMART city lectures on 17.09.2016**

<b>Chairman</b> Dr. K. Arunachalam Dean TCE, Madurai	<b>Rapporteur</b> Dr. S.D.Gorantiwar Professor College of Agricultural Engineering, Rahuri	<b>Faculty incharge</b> Dr. R. Saravanan, Associate Professor, CWR, Anna University	<b>Scholar incharge</b> P. Balakrishnan IIT Madras
Time	Program	Speaker	Topic
2.15 PM – 2.45 PM	Special lecture 1	Er. M. Madhuram City Engineer, Madurai Corporation	Environmental Consideration for SMART cities
2.45 PM – 3.15 PM	Special lecture 2	Dr. K Vijay Karthikeyan Commissioner of Coimbatore Coimbatore	Citizens - Responsibility towards creating SMART cities”.
3.15 PM – 3.45 PM	Special lecture 3	Er. Sana. Ratnavel SCEBA Consultancy Services Madurai	Performance Indicators for smart city
3.45 PM – 4.15 PM	Discussion on Smart city		
4.15 PM – 4.30 PM	Tea Break		
4.30 PM to 5.00 PM	Concluding session		
<b>Chairman</b>	<b>Co-Chairman</b>		<b>Rapporteur</b>

Dr. S. Mohan IIT Madras	Dr. R. Sarathy IIT Madras	Er. Ponram Unicon Ltd
5.00 PM – 5.30 PM	valedictory session	

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### Poster Presentation

S. No.	Ref. No	Title	Institution	Authors
1	Env-PP-01	Bio Synthesis of Silver Nano Particles From Microbes and Evaluation of Decolorization Effect on Congo - Red Dye	GCT,Coimbatore	Lakshmi Priya Thyagarajan, Meenambal.T, Swathi Sudhakar
2	Env-PP-02	Treatability Study on Electroplating and Dye Effluent By Electrocoagulation	TCE,Madurai	Usha.S. T.VelRajan
3	Env-PP-03	Composting of Food Waste: A Novel Approach	CUSAT,Cochin	Anand M
4	Env-PP-04	Increasing G/W Level by Using Canal Well	KCT, Coimbatore	K. Manoj
5	Env-PP-05	Removal of Organic Pollutants from Bleaching Wastewater by Physicochemical Processes – A Comparative Study	IIT Bombay	Ninad and Anurag Garg
6	Env-PP-06	Behavior of Clay Sand Mixtures due to Artificial Contamination of Liquids and Their Application As Liner Materials – A Review	PEC Puducherry	Rajapriya and Murugaiyan