

DRAFT PROGRAMME SCHEDULE AS ON 05.12.2017_R8_7.47hrs.

7th International Conference on Solid Waste Management, 7th IconSWM 2017

PJTS Agricultural University, Rajendranagar, Hyderabad, Telangana, India, December 15 - 17, 2017



Jadavpur University
Centre for Quality Management System (CQMS), Kolkata, India



Indian Institute of Science
Center for Sustainable Technology (CST), Bengaluru, India



The Energy and Resources Institute
New Delhi, India



ISWMAW



Japan Society of Materials Cycle and Waste Management



National Productivity Council



Korean Society of Waste Management
Republic of Korea



Consortium of Researchers in International Collaboration



Indian Institute of Technology Kharagpur, India

Under the Aegis of: **International Society of Waste Management, Air and Water (ISWMAW)**

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Dear Author / Speaker, If your paper has not been included in the programme schedule by mistake, kindly let us know for its inclusion with paper code and title. If you want to have poster presentation, kindly let us know by email to : iconswm.services@gmail.com so that the same is included. Regards. IconSWM-ISWMAW Secretariat.

Pre-Conference Day, 14.12.2017

15.00-19.00	Pre-Registration of delegates at the Venue : University Auditorium at PJTS Agricultural University, Rajendranagar, Hyderabad
17.30 - 19.00	Meeting : Core committee and International scientific committee members in Seminar Hall, Gr. Floor, Hall Nomenclature : IconSWM - ISWMAW Hall (Auditorium), Hyderabad Hall (Seminar Room on Ground Floor); Amaravati Hall (1st Seminar Room on 1st Floor); Bangalore Hall (2nd Seminar Room on 1st Floor); Kolkata Hall (3rd Seminar Room on 1st Floor); Mysore Hall (Basement hall)

DAY 1, 15th December 2017 (Friday): Conference and Exhibition : December 15-17, 2017	
08.30	Registration of delegates at the Venue : University Auditorium at PJTS Agricultural University, Rajendranagar, Hyderabad
9.30	Poster Presenters are requested to display in advance in the specified space at the exhibition ground and on the first floor.
10:15 - 12:20	Inauguration, 7TH IconSWM 2017, 15th December 2017 at 10.15 am at the University Auditorium. Please take your seat by 10am. at IconSWM – ISWMAW Hall
10.15	Inviting the dignitaries on the stage
10.20	Prayer
10.25	Lighting the lamp by the dignitaries on the stage
10.35	Welcome Address by Dr. B. Janardhan Reddy, Commissioner, GHMC, Hyderabad
10.40	IconSWM movement and theme of the 7 th IconSWM 2017 by Prof. H. N. Chanakya, Co-Chair, 7 th IconSWM, Chair CST, IISc, Bangalore
10.45	Speech by the Mr. CRC Mohanty, UNCRD, Co-Chair, 7 th IconSWM, Organising Partner IPLA, Japan
11.50	Prof. Sadhan Kumar Ghosh, Chair, IconSWM – ISWMAW will introduce the Co-chairs, Co-organisers & Partners : Prof. Seung-Whee Rhee, Vice-Chair, 7th IconSWM & President Elect, KSWM, Rep. of Korea; Prof. Sinhichi Sakai, Kyoto University, Co-Chair, 7th IconSWM, JSMC&WM, Prof. Francesco Di Maria, CRIC, Italy, Dr. M Nelles, BDFZ & Rostock University, Germany, Dr. S Roy, ISWMAW, UK, Prof. P. Agamuthu, Univ. of Malaya, Co-Chair, 7th IconSWM to be Introduced by.
11.00	Speech by the Guest of Honour, Dr. P. Narayana, Hon'ble Minister of Municipal Administration and Urban Development, Urban Housing, Andhra Pradesh (Invited, yet to confirm) and release of the cover of the book on co-processing.
11.10	Inaugural Speech and release of the IconSWM 2017 Proceedings by Sri K. T. Rama Rao, Hon'ble Minister of IT, Municipal Administration & Urban Development, Industries & Commerce, Public Enterprises, Sugar, Mines & Geology, NRI Affairs, Telangana (Invited, yet to confirm)
11.20	Keynote Speech by the Special Guest, Mr Vinod Kumar Jindal, ICoAS, Joint Secretary (SBM), MHoUD, Govt of India
11.35	Presidential Speech by the Prof. Sadhan Kumar Ghosh, Chair, IconSWM – ISWMAW, Jadavpur University, Kolkata,
11.45	Award ceremony of the IconSWM 2017 to the ULBs, Winning ward of GHMC, and winners of roundtable competition for school Students
	Announcement of the 8 th IconSWM 2018
12.10	Vote of Thanks by Dr. Sunil Pandey, Director, TERI & Secretary, IconSWM 2016
12.15	National anthem
12.20	Inauguration of the exhibition at the exhibition ground in front of the auditorium by the dignitaries
12.35	Plenary Session

12.35	Plenary Session -1 (PS -1) (3R in the Asia and the Pacific Region and other continents) IconSWM – ISWMAW Main Hall Gr. Floor Hall Manager : Mr T. K. Ghtak, B. Debnath, Dr. Sutripta Sarkar	Plenary Session -2 (PS -2) (Swachh Bharat Mission), Vijayawada Hall, 1st Floor Hall Manager : Dr. S Roy, Ms. Anaya Ghosh
	3R in the Asia and the Pacific Region and other continents	Swachh Bharat Mission in India
	Chair : Prof. Sadhan Kumar Ghosh, India Co-Chair : Mr. C.R.C. Mohanty, UNCRD	Chair : Vijai Kumar Chaurasia, Adviser CPHEEO, MoUD, India Co-Chair : Ravi Kiran, Addl. Commissioner GHMC
12:35-13:50	Plastic Recycling in Asia and Pacific: Status, Technologies and Challenges P. Agamuthu, S.H. Fauziah, Malaysia	Implementation of SBM and SWM in Karnataka. Dr. Anjum Parvez, Secretary, MoUD, Govt. of Karnataka, India.
12:50 -13:05	Materials Cycle practised in Japan for circular economy, Prof. S. Sakai, Kyoto University, Japan	Swachh Bharat Mission in Andhra Pradesh - Dr. C. L. Venkata Rao, Executive Vice Chairman, Swachh Andhra Corporation, Andhra Pradesh
13:05 -13:20	Preliminary comparison among recycling rates for developed and developing countries : The case of India, Israel, Italy and USA Francesco Di Maria, Ronald L. Mersky, Shira Daskale, Ofira Ayalon, Sadhan K. Ghosh Italy, USA, Israel, India	SBM – A sustainable initiative for making clean India Padma Kant Jha, Niti Ayog, Delhi and Sadhan Kumar Ghosh, JU, India
13:20 -13:35	New Implementation Plan for Improvement of Waste Recycling in Korea H.J. Choi and Dr. S.W. Rhee, President, KSWM and Professor, Kyonggi University, South Korea	SBM Urban – A clean India Initiative Dr. Ramakant, MHOUD, Delhi and Sadhan Kumar Ghosh, JU, India
13:35 – 14:40	Lunch & Networking on 15th December 2017 at Mysore Hall (Basement) and POSTER SESSION : on 1st floor and the exhibition ground; The Jury for the assessment of poster and the presenters may take lunch and find time to visit the poster displayed at the exhibition & first floor.	
14:45 -15:45	Day 1, 15.12.2017 : Plenary Sessions 3 & 4 : on Policies & Governance (Urban Development), Co-processing of waste (Industry)	
	Plenary Session -3 (PS -3) : IconSWM – ISWMAW Hall	Plenary Session -4 (PS -4) : Vijayawada Hall, 1st Floor
	Plenary session on Sustainable SWM projects – Policies & Governance (Urban Development)	Plenary Session on Co-processing of waste (Industry)
	Hall Manager : Mr T. K. Ghtak, B. Debnath, Dr. Sutripta Sarkar, Ms Senophaya Mary	Hall Manager : Dr. S Roy, Ms. Anaya Ghosh,
	Chair : P. Satyanarayana Reddy, Member secretary, TSPCB, India Co-Chair:	Chair: U. V. Parlikar, Dy. Head, Geocycle Ltd., India Co-Chair: Prof. Seung-Whee Rhee, Rep. of Korea
14:45–15:00	New approaches for solid waste management to maximize organic waste reutilization S.Guran, R. Mersky, D. Specca, M. Brennan-Tonetta, USA	Co-processing of waste in cement kiln in Geocycle Berthold Kren, Geocycle Ltd., Mumbai
15:00–15:15	The development of an Extended Producer Responsibility (EPR) mechanism for waste management in South Africa A. Pillay, South Africa	Legislative Requirements for waste co-processing in cement plant Officer, Telengana State Pollution Control Board, Hyderabad.

15:15-15:30	Financial Feasibility of SWM projects including Remediation in ULBs Dr S S S Sastry and Mr. Satyanraynan, Ramky Environ.	Experiences on AFR Journey in India Milind Murumkar, Advisor-Alternate Fuels & Raw Materials, VICAT in India, Hyderabad		
15:30-15:45	Methanol From Energy Rich Syn Gas produced from MSW using patented Inverter Burner Hydroxy Combustion Technology S. Manoharan, E. Manoharan, J. Dasgupta, Green Growth Sustainability Services, Dubai & India	Risks and Opportunities of RDF Fuel Replacement in Cement Kilns H. H. El-Sersy, M.M.K.Fouad, S.T. El Sheltawy, Egypt		
	An evaluation of waste management for energy recovery for the Kingdom of Bahrain R. E. Blanchard, H Albuflasa, T Radu, M Thomson, United Kingdom	Advancements in the area of co-processing , Dr. Mrs. Kalyani, NCBM, Hyderabad, India		
	IconSWM – ISWMAW Hall - Introducing the presenters of Posters All the poster presenters are requested to be present and come on the dais for introduction to the delegates			
15:45-16:15	IconSWM International Meet : Foreign experts and Indian stakeholders at IconSWM – ISWMAW Hall			
	Foreign experts expected to be present from : <i>Australia, Austria, Bangladesh, Benin, China, Dubai, Egypt, France, Germany, Georgia, Hong Kong, Israel, Italy, Japan, Lebanon, Malaysia, New Zealand, Nigeria, Nepal, Republic of Korea, Serbia, Saudi Arabia, Singapore, Sri Lanka, South Africa, Sweden, Taiwan, Thailand, UK, USA, Vietnam</i> . Two Representatives from participating foreign countries in 7th IconSWM are cordially invited to the discussion on stage. Delegates in the audience are requested to raise question on the status of the SWM implementation in written form and to hand over to the volunteers well in advance in the conference hall.			
	Moderators: Prof. Sadhan K Ghosh, Chair, IconSWM - ISWMAW,			
16:15 – 16:30	Tea / Coffee Break & Networking + POSTER SESSION (Continued)			
16:30 - 17:45	1st Special Industrial Session and Parallel Break out Technical Sessions, Day 1, 15.12.2017			
16:30 - 17:45	Special Industrial Session TS 1& TS 2 IconSWM-ISWMAW Hall	TS 3 Hyderabad Hall (Gr. Floor)	TS 4 Vijayawada Hall (1st. Floor)	Special Technical Session TS 5 Kolkata Hall (1st. Floor)
	Productivity Enhancement by Industrial waste Management	Composting	MSW Management	Chemical Engineering in Waste management
	Hall Manager : Mr T. K. Ghtak, B. Debnath, Dr. Sutripta Sarkar, Ms Senophaya Mary	Hall Manager : :	Hall Manager : Prof . Roy, Ms. Anaya Ghosh	Hall Manager:
	Chair: Gowra Srinivas, President, FTAPCCI, & Vice Chair, IconSWM Co-Chair : Prof. Yong Chil Seo, Director, WTE Center & BK21 Plus Program, Yonsei University, Republic of Korea	Chair: Prof. Nguyen Phu, Ho Chi Minh City Univ. of Tech, Vietnam Co-chair : Refik Guran, Middough Engg. Inc., USA	Chair: Ms. Almitra Patel, Bangalore, India Co-chair : Sheetal Singh , CMAK,India	Chair: : Prof. S. B. Jonnalagadda, South Africa Co-chair :
16:30-16:42	Lead Speech by Mr. Gowra Srinivas , President, FTAPCCI, & Vice Chair, IconSWM	Estimation of Biodegradable Volatile Solids Contest in Waste Mixture	MSW Management in Vietnam: The Challenges and Opportunities for	The Filtration Fabric - A Key Component in the Flue Gas Treatment System

		Applying Three Stage Composting Process M. Alamin , Q. H. Bari, Bangladesh	Applying 3R Nguyen Thi Kim Thai, Hoàng Ngoc Ha, Dang ThiAnh Thu, Vietnam	A. Maheshwari, Evonik India, India
16:42– 16:54	RDF business Model , Co-processing potential including GHG mitigation and CFC DRE demonstration trial, Palash Kumar Saha, Research Scientist, Infrastructure, SINTEF Building and Infrastructure, Norway, Sweden	Comparative Chemical Evaluation of Vermicompost Produced by Using Different Organic Waste <i>P. Gill and D. Singh, India</i>	Current Status & Implementation of Waste Management S. R. K. Sabbi, India	Characterization of Essential Oil Extracted from a Kitchen Waste - Lemon Peel M. R. Sarder, M. Alamgir, Bangladesh
17:54 – 17:06	Industrial Waste water Management - A case study of Common Effluent Treatment Plant. P. Bakka Reddy, Executive Director, JETL, Jeedimetla, Telangana, India	High rate agitated composting of water hyacinth by using rice straw, wood saw and cattle manure G.C. Dhal, D. Mohan, India	Bringing sustainable menstrual practices to the forefront in India- A necessary strategy for the health of women and solid waste management M. Bharath, M. Parmar, India	Microwave-Assisted Alkali-peroxide treated sawdust for delignification and its characterization D. Sushmitha, S. Suranai, India.
17:06 – 17:18	Biological methods of Odour control in chemical process industries, Dr. Gangagni Rao A, Senior Principal Scientist, IICT, Hyderabad , India	Contemporary Focuses on Integrated Solid Waste Management System through Small Scale Onsite Composting for Educational Institution U. Indirapriyadharshini, R. Santhosh kumar and S. Venkatesan, India	Case Study And Simple Techniques For Waste Management K. Bagla, S. Parab, India	Optimization of process parameters for the efficient generation of biogas from organic wastes under the direct influence of plastic materials using Response Surface Methodology (RSM) A.Ghosh, B. Debnath, B. Das, J.P. Sarkar, India
17:18 – 17:30	Waste To Energy Concepts– A Key Component of Sustainable Waste Management Systems Michael Nelles, Nils Engler, Gert Morscheck, Abdallah Nassour & Andrea Schüch, Germany	Composting of Household Kitchen Waste Using Different Methods B. Kanwar*, N. Kaul, A.Saxsena, K. Goyal, H. K. Meena, India	Creating “Zero Waste Campuses” N. Tandon, India	Anaerobic Digestion Potential of Leaf Litter: Degradability and Gas Production Relationships Ravi Kumar D, H.N. Chanakya, Dasappa S, India
17:30 – 17:42	Integratetd solid waste treatment and Management technologies Dr. B. Chakradhar, RAMKY, Ramky Enviro Ltd. , India	Design and Development of Low Cost Portable Household Composter N. Shukla, S. M. Narulkar, India		
17:42 – 17:52	Gopinath, Vice President, India Cements, India			
17:50 - 18:50	17:50 to 18:50 : 2nd Parallel Break out Technical Sessions, Day 1, 15.12.2017 (Friday)			

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	TS 6	TS 7	TS 8	TS 9	TS 10
	IconSWM - ISWMAW Hall	Hyderabad Hall (Gr. Floor)	Vijayawada Hall (1 st . Floor)	Bangalore Hall (1 st . Floor)	Kolkata Hall (1 st . Floor)
	Waste Valorisation	Waste to Energy	Panel Discussion : implementation strategies of SWM Rules 2016 by Resident's Association (RWA) and Bulk Waste generators	Biofuels and Bioenergy	Water Resource Management
	Hall Manager : Mr T. K. Ghatak, B. Debnath, Dr. Sutripta Sarkar, Ms Senophaya Mary	Hall Manager : Mr. Arindam Ghosh, Ms. Ipsita Saha, Sri Tirthankar Mukherjee	Hall Manager: Dr. S Roy, Ms Anaya Ghosh, Ms. Tima,	Hall Manager: Ms. Gautam Das, Ms. Vijaya Laxmi	Hall Manager : Prof. Amit Ghosh, Ms. Suparna Bhattacharya,
	Chair: Co-Chair: Dr. Sandhya Jaykumar, India	Chair: Dr. S. V. Srinivasan, CLRI, Chennai, India Co-Chair: Dr. V. Kirubakaran, Chennai, India	Chair: Mr Manohar, Addl. Commissioner (SMB) Co-Chairs: Mr. Srivnivas Major Shiva	Chair: : Prof. H. N. Chanakya, Bangalore Co-chair : Ramakant, Bagalore	Chair: : Prof. Ramkrishna Sen, India Co-chair: Dr. Brajesh Dubey, India
17:50 – 18:02	Session Keynote : Selenium from Coal Mine Waste T. Baksi and M. Baksi, Huntington, USA	Decentralised Utilization of Urban Biomass Waste and Solar Energy for Cooling System – A Proposed Model Rahul Baidya, India	The Chair and Co Chairs will speak on what should be done by the Resident's Association (RWA) and Bulk Waste generators as per SWM Rules 2016.	Session Keynote : Microwave assisted biodiesel production from waste palm oil using waste biomass derived carbon acid catalyst P. G. I. Thushari, S. Babel, Thailand	Chemometric Analysis of the heavy metal contamination in groundwater around the Vellalore Landfill region in Coimbatore L. P. Thyagarajan, J. Jeyanthi, T. Meenambal, Satheeskumar, V, India
18:02 – 18:14	Value Added Byproducts Recovery from Municipal Solid Waste T.S. SasiJyothsna* , Saikat Dutta, D. NeelaPriya, B. Chakradhar Ramky Enviro Services Private Limited, India	Evaluation of Calorific of Municipal Solid Waste (MSW) M. Jishkariani, N. Dvalishvili, L. Kurakhchishvili, Georgia	Deliberation by the Resident's Association (RWA)	Bio-hythane production from food waste in a two-stage process A. Ghimire, V. Luongo, B. Thapa, L. Frunzo, F. Pirozzi, G. Esposito, Nepal and Italy	Innovative usage of traditional seeds for drinking water purification M. Selvakumar, M. Vasanthy, India
18:14 – 18:26	Production of Ethanol from municipal solid waste of India and Nepal B. Thapa, S.K. Patidar, N.R. Khatiwada, A.K. KC, A. Ghimire, Nepal	Assessment of the primary energy balance of municipal solid waste incinerators: An EU28 case study Francesco Di Maria, , Federico Sisania, Italy	Deliberation by the Bulk Waste generators	Comparison study of various current and potential liquid biofuels in road freight transport. Application on a case study on Transport Centralen in Halmstad Ansu Alex, Sweden	Removal of arsenic from groundwater by using different biosorbents S. Dey, G.C. Dhal, D. Mohan and S.B. Dwivedi, India
18:26 – 18:38	Valorisation of Paper Mill Solid Wastes: Partial Replacement of Cement by Application of Lime Sludge and Boiler Ash Synthesized Nano Silica in Concrete Template P. Vashistha, V. Kumar, S.K Singh, India	Quantifying Temporal Variations in Incinerability of Municipal Solid Waste R.M. Sebastian, D. Kumar, B. Alappat, India	Open House Discussion	A Review on Various Thermochemical Technologies for Resource Recovery from Sewage Sludge S. Bhattacharyya, S. K. Ghosh, India	Traditional Bioresources Utilization for the Removal of Fluoride from Potable Water of Kodaikanal –Tribal and Non-Tribal Areas B. S. Rajalakshmi, A. Ancy Jenifer, C.ThamaraiSelvi, M. Vasanthy, India
18:38 – 18:50	Valorization options for stored material: A case study of landfill	Kinetic study of degradation of Bagasse Hydrochar using Thermogravimetric	Open House Discussion	Hybrid Compact Green Energy Conversion System: A prototype	Effect of Cathodic Electron Acceptors on the Performance of Microbial Desalination Cell

	site at Sangli city, Maharashtra P. G. Sonavane, A. P. Dudhgundi, India	analysis Sushmita. G, Kuldeep B. Kamble, Srinath Suranani, India		A. Kumar K.S., R.K. Saket, R. Rajendran, India	H. Pradhan, M. M. Ghangrekar, India
18:50- 19:05	Strategies for The Valorization of Solid Waste In The City of Porto- Novo South of Benin B.S. Dansou, L. Odoulami, Benin	Evaluation of Waste to Energy Systems in Indian Towns N. Vaiude, G. Deshpande, India			
Reception Dinner : 19.30 to 21.00 hrs. (Venue will be announced soon)					
Bus will start at 18.30 pm and 19.10 pm to go to the Dinner Venue ; Those who will finish their session earlier are requested to avail of the buses at 6.30pm to avoid last minute rush.					
Day 1 Ends Buses for the Guest Houses will leave at 7 pm from the Exhibition Venue.					
Day 2, 16.12.2017 (Saturday) starts					
8:45	Registration of delegates Day 2				
9:15 – 11:00	3rd Parallel Break out Technical Sessions, Day 2, 16.12.2017				
	TS 11	TS 12	TS 13	TS 14	TS 15
	IconSWM - ISWMAW Hall	Hyderabad Hall (Gr. Floor)	Vijayawada Hall (1st . Floor)	Bangalore Hall (1st . Floor)	Kolkata Hall (1st . Floor)
	Best Practices in City Specific Waste Management	Biogas and Bio-methanation	Waste Water Treatment	Pyrolysis and Gasification (WTE)	Sustainability and Climate Change – II
	Hall Manager :	Hall Manager :	Hall Manager :	Hall Manager :	Hall Manager :
	Chair: Prof. H. N. Chanakya, Bangalore Co-Chair: Dr. B. Chakradhar, Ramky	Chair : Prof. M. Alamgir, Bangladesh Co-Chair: Prof. Francesco Di Maria, Italy	Chair : P. K. Jha, Niti Ayog, Delhi Co-Chair :	Chair: : Prof . Yong-Chil Seo, S. Korea Co-chair: S. Manoharan, Dubai Session Keynote : Prof Yong-Chil Seo	Chair : Prof. P Agamuthu, Malaysia Co-Chair: Prof. Serpil Guran, USA
9:15 – 9:27	Session Keynote speech: Dumpsite Fire Control Ms. Almitra Patel, Bangalore, India	Possibilities of biogas enhancement by hydrogen addition as contribution to the energy transition J. Sprafke, A. Schüch, M. Nelles, Germany	Treatment of Zn, Cd, Pb from mine waste water by Mg-Al layered double hydroxide aiming to reduction of sludge volume M. T. Rahman, T. Kameda, S. Kumagai, J. U. Ahmad, T. Yoshioka, Bangladesh And Japan	Pyrolysis of Heavy vehicle tyre waste for production of valuable products S. Mondal, R. K. Singh, B. Bhattacharya, B Ruj, A. K. Sadhukhan, P. Gupta, India	Session Keynote: Analytical Hierarchy Process Based Decision Making for Sustainable MSW Management Systems in Small and Medium Cities R Intharathirat, P. Abdul Salam, Thailand
9:28 – 9:40	Solid Waste Management in the MENA Region: A Review A. A. Refaat, S. T. ElSheltawy, Egypt	A Critical Analysis on Anaerobic Digestion for the Treatment of Organic Fraction of Municipal Solid Waste in India A. Ghosh, B. Das, J.P. Sarkar, India	Extraction of Hexavalent Chromium from Waste Water using Aliquat-336 S. Karmakar, A. Bhowal, P. Das, India	Studies on increasing Specific Calorific Value of Producer Gas in Auto gasification of wooden pallets by Stem injection G. Prabakaran, S. Mathiyazhagan, C. V. Dinesh Kumar, N. Gunaseelan & V.	Managerial Support to Control Entrepreneurial Culture in Integrating Environmental Impacts for Sustainable New Product Development S. Roy, N. Modak, P. K. Dan, India

				Kirubakaran, India	
9:40 – 9:52	Matrix Method for Evaluation of Existing Solid Waste Management Processes in Jalandhar city, Punjab, India A. Sharma, R. Ganguly, A. K. Gupta, India	Technical and Economic potential assessment of Teku Biomethanation Plant in Nepal Y. Luitel, C. Khadka, S. Dhakal, N.R. Khatiwada, S. M. Shakya, Nepal	Cost Effective and Eco-friendly treatment of Fabric dyeing industry effluent using Low-Cost Material Ramarajan and M.Vasanthi, India	Design and Development of Plasma Arc Driven System for Energy Generation from Municipal Solid Waste with mitigation of Green House Gases (GHGs) A. Hazra, S. Das, A. Ganguly, P. Das, P. K. Chatterjee, P Banerjee, India	The effect of quantity fluctuations on the sustainability of the waste collection V. Caldarelli, S. Saetta, Italy
9:52 – 10:05	Assessment of separation behaviour of household solid waste in Phnom Penh city, Cambodia B. Seng, T. Fujiwara, India	Biogas and Organic fertilizer from kitchen waste based biogas plant at Tezpur University, Assam D. Patowary, G. Ahmed, DC Baruah, India	Role of Advanced Oxidation process in treatment of Coke Oven Wastewater – A Review U. Pathak, S. Kumari, P. Das, T.Kumar, T. Mandal, India	Kinetic study of degradation of Bagasse Hydrochar using Thermogravimetric analysis Sushmita. G., Kuldeep B. Kamble, Srinath Suranani, India	Status of Composting for OFMSW treatment in Karnataka and West Bengal: Case Studies and Sustainability Biswajit Debnath, Anaya Ghosh, B. Prathima,, Sadhan Kumar Ghosh, India
10:05 – 10:17	The State of Municipal Solid Waste (MSW) Management in Israel S. Daskal, O. Ayalon, M. Shechter, Israel	Techno-economics of household level USW treatment by anaerobic digestion S. Malayil , HN Chanakya, India	Synthesis of hydrophobic ceramic ultrafiltration membrane and performance evaluation for removal of ciprofloxacin in water S. Banerjee, A .Jana, D .Mukherjee, S .Ghosh, S. Chakrabarti, S .Majumdar, India	Pyrolysis study of garden waste: Comparative study of Subabul leaves (Leucaenaleucocephala) and Neem leaves (AzadirachtaIndica) K. Sriathal, D. Bhagawan, V. Himabindu, India	Mitigating Short-lived Climate Pollutants from Municipal Solid Waste Landfills in selected Southeast Asian Cities G. Borongan, N.S. Thawn, A. Calles, and O. Shipina, Thailand
10:17 – 10:30	Municipal Solid Waste Management in India – Practices, Challenges and Opportunities <i>R. P. Pappu, D. De, P.K. Dey, UK</i>	Integrated Approach of Utilizing Water Hyacinth to develop valuable products: Biodegradable film, Biogas and Vermicompost P.K. Bharti, A. K. Tyagi, India	Removal of Ranitidine From Pharmaceutical Waste Water Using Activated Carbon Prepared From Waste Lemon Peel (AC) S. Bhattacharyya, P. Das, S. Datta, India	Development of Plasma Torch for eco-friendly disposal of Municipal Solid Waste S. Manna, A. K. Sadhukhan, P. Gupta, P.K. Chatterjee, India	Agro-Industrial Waste as a Cementitious Binder for Sustainable Concrete: An Overview Vasudha D. Katarea, Mangesh V. Madurwara, India
10:30 – 10:42	Evaluation of existing Solid Waste Management system in Una Town, India D. Thakur, R. Ganguly, A.K. Gupta, V. Gali, India	Biogas Conversion Potential of Chicken Wastes S. Malayil, R. Ashwath, S. Natekar, H. N. Chanakya, India	Studies on rapid initiation of anammox process for starch industry effluent treatment S. Neogi, A. Dey, P. K. Chaterjee, India	Gasification of Solar Dried Secondary Biological Sludge with Textile Shredded Waste (Chindhi) V. Sivaraj, V. S., M. Ganesh, V. Naik, Nithin O.K, India	Climate Change in Hilly Regions of India: Issues and Challenges in Waste Management N. Dutta, A. Ghosh, B. Debnath, India
10:42 – 10:55	An assessment of kitchen waste management practices in the residential area of Varanasi City A. Kumar, S. Jain, India	Effect of Co-Digestion on Biogas Production from Mixed Vegetable, Fruit, Flower Waste with Slaughter House Waste V.Mozhiarasi, C. Speier, T. Rinu, D. Weichgrebe, S.V.Srinivasan, India	Ground Water Quality Analysis in and Around Sanitary Landfill of SW Bengaluru M. Lokeshwari, India	Co-processing of RDF in Cement Plants Kaushik Chandrasekar, Dr. Suneel Pandey, India	Biodrying Technology for Municipal Solid Waste Management Asha P Tom, Ait Haridas, Renu Renu Pawels, India
11:00- 11:15	Tea / Coffee Break				
11:15- 12:15	1st Special Technical Sessions, Day 2, 16.12.2017 (Saturday)				
	Special Technical Session STS 1		Special Technical Session STS 2		Special Technical Session STS 3
	IconSWM-ISWMAW Hall		Hyderabad Hall (Gr. Floor)		Vijayawada Hall (1st. Floor)
11:15- 12:15	Fly Ash : Technology and Resource Efficient Management (Industry)		Policies & Best Practices in waste management WM projects (Urban Development)		Hazardous Waste: Industrial and Biomedical Waste (Industry)

	Hall Manager:	Hall Manager :	Hall Manager :	Hall Manager :
	Chair : Dr. Vimal Kumar, C-Farm, New Delhi Co-Chair : Prof. K. Murugesan, Tamil Nadu, India Session Keynote address : Dr. Vimal Kumar, India	Chair: Co-Chair: Dr. Anupam Khajuria, UNCRD, Japan		Chair : Mr. Berthold Kren, Head, Geocycle Ltd., Austria Co-chair : M. Narayana Reddy, Managing Director, Virchow Labs.
11:15 – 11:30	Fly Ash : performance enhancer and eco-friendly material for concrete V. V. Arora, NCCBM , India	Development of a Solid Waste Management Code of Ethics S. T. El Sheltawy, M. M. K. Fouad, H. A. Sibak, S. El Sherbiby, Egypt		Treatment (Handling) of hazardous waste in Germany G. Morscheck, A. Schüch, M. Nelles, Germany
11:30 – 11:45	Polymerized fly ash: an eco-friendly and economical cementing material K.V.L. Subramaniam, I.I.T. Hyderabad , India	Status of disaster waste countermeasure execution and a survey of public awareness in Japan M. Asari, T. Kirikawa, S. Sakai, Japan		Scientific Approach for Hazardous Waste Treatment Storage and Disposal Facility Site Selection & Treatment Methodologies P. Suresh*, T.S. Sasi Jyothsna, B. Chakradhar, Ramky Enviro Services Private Limited, India
11:45 – 12:00	Gainful applications of fly ash in mining sector B. B. Rao, India Very High Volume Fly Ash Green Concrete for Ordinary Application in India, Dhanada Mishra, DKM Consult Private Limited, Hong Kong	Evidence based Analysis of Patterns of Challenges in Solid Waste Management by Urban Local Bodies in India A. J. Amitha, V. Manoj, India		Climate Change Impacts on Hydrology, Water Resources and Water Use Sectors: Cases from Asian Countries, Dr. Mukand S. Babel, Thailand
12:00 – 12:15	Fly Ash : a resource material for agriculture N. Venkateswar Rao, Prakasham Krishi Vigyan Kendra, , India	Technological options for biogenic waste and residues – overview of current solutions and developments A. Schüch, G. Morscheck, M. Nelles, Germany		Leaching Characteristics of Mercury Waste and Prediction of Long-term Leaching Behaviour E.S. Lee, S.K. Back, J.H. Sung, A.H.M. Mojjammal, J.C. Lee, J.H. Kim, Y.C. Seo, Korea
	Fly Ash a safe soil amendment for Agriculture K. Bhaskarachary, National Institute of Nutrition , India			A multifaceted approach of utilisation of biochar produced from agricultural and industry wastes Ajit K Sarmah, The University of Auckland, New Zealand
12:15 – 13:30	4th Parallel Break out Technical Sessions, Day 2, 16.12.2017			
	TS 16	TS 17	TS 18	TS 19
	IconSWM - ISWMAW Hall	Hyderabad Hall (Gr. Floor)	Vijayawada Hall (1st. Floor)	Bangalore Hall (1st. Floor)
	Special Session on E-waste Management & EPR	Best Practices in ULBs / RWA/ Bulk Waste generators of INDIA	Plastic Waste Management	SBM and SMART City
	Hall Manager :	Hall Manager :	Hall Manager :	Hall Manager :
	Chair: Prof. Sheltawi, Egypt Co-Chair:	Chair : Mr Tapas Kumar Ghatak, Vice Chair, IconSWM- ISWMAW . Co-Chair : Mr Ravi Kiran, Addl. Commissioner, GHMC, Hyderabad	Chair : Prof. C. Visvanathan, Thailand Co-Chair :	Chair: Dr. Ramakant, MHOUD, Delhi Co-chair : Dr. Amitha A. J. Dy. Accountant General (DAG), Bangalore
12:15 – 12:27	An analysis of Data Security and potential threat from IT assets for Middle Card players, Institutions and Individuals B. Debnath, J. M. Alghazo, G. Latif, R. Roychoudhuri, S. K. Ghosh, India and Saudi Arabia	The ULBs/RWA/ Bulk Waste generators in India are requested to speak about the best practices in implementation in	The Importance of Countermeasure for Plastic waste in Island countries compared with Asian countries M. Tsuchimura, M. Asari, S. Sakai ,M.Tsukiji, Japan	Smart Solid Waste Management in Indian Cities : Potential beyond IT based Solutions S. Goswami, A. Saikia, India
				A Multi-Step-Quick-Scan For Options And Limitations Of Biogenic Resources - From Agricultural Statistics To CNG Tuk Tuks In India A. Brosowski, B. Sumfleth, T. Kussin, K. Schaubach, D. Thrän, K. Oehmichen, Germany

12:27 – 12:40	Exploring the rationale between ERP and EPR in Asian Countries using cloud based Approach Ipsita Saha, Amit Kundu, S K Ghosh, India	respective ULBs. The interested persons from ULBs may register their name at the IconSWM – ISWMAW office.	Design and Development of Plastic Recycling Machine - A Step Towards Effective Solid Waste Management Dr. Jyothilakshmi, A. Kareem, A. N. Mulla, Manjunatha, Nithin, India	Swachh Bharath Mission & Cleanliness Movement Siva Rama Krishna Sabbi, India	Degradation Ability of Prevailing Microorganisms Associated With Pesticide Polluted Soil G. ZhamalaDevi, S.Gajalakshmi, India
12:40 – 12:52	Studies on Thermal degradation of Aged Solar Cells for Effective Disposal G. N. Lalith Pankaj Raj, V. Madhan Karthik, M. Mohanraj, V. Kirubakaran, India	Current Status & Implementation Of Waste Management Siva Rama Krishna Sabbi, Municipal Commissioner, Tadipatri Municipality, Tadipatri, India	Polypropylene microplastic degradation potential of <i>Bacillus sonorensis</i> isolated from mangrove soil H.S. Auta, A. I. Demehin, C.U. Emenike and S.H. Fauziah, Malaysia and Nigeria	Decentralized Solid Waste Management – A tool for achieving the benchmark for successful Swachh Bharat Transformation at the Institutional level – A Case study M. Subha, India	A Study on Optimization of Pretreatment for Lipid Extraction from Rice Husk Using Oleaginous Yeast Dhivya Priya N, Sivasakthi S, Balaji R., Yaazhmozhi K., Senophiyah Mary J., Murugan S., India
12:52 – 13:05	Supply Chain Sustainability of Integrated Metal Recovery Facility from E-waste (MREF) focusing on Pyrolysis as a pre-treatment process B. Debnath, R. Chowdhury, S. K. Ghosh, India	Integrated waste management in Rajendrangar and Community Involvement in GHMC Hyderabad <i>G. Anjaneyulu, India</i>	Economic Analysis & Life Cycle Assessment of Pyrolysis of Plastic Waste in Mumbai, India S. V Kulkarni, Y. Shastri, India	Dakshin Dilli Swachh Initiatives Limited: A Comprehensive Approach towards Sustainable Waste Management Siddhant. Srivastava, Anil Gupta, India	Long-term operation of the pilot scale two-stage anaerobic digestion of municipal biowaste in Ho Chi Minh city D. B. Trong, N.T. Truc, T.T.N. Sang, L.T.M. Tam, N.T. An, F. Mukai, H. Kobayashi, D.Q. Tuc, B.X. Thanh, N.P. Dan, Vietnam
13:05 – 13:17	A Novel Approach for Removal of Epoxy Coating from Waste Printed Circuit Board J. Senophiyah Mary, Dr. T. Meenambal, India	Waste Management in Tenali ULB, AP, P. Saikesh, Tenali, AP, India	Issues and Gaps in Plastic Waste Management Rules 2016 S. Agarwal, Z. Mhaskar, India		Biodiesel Production from Unused Mixed Culture of Algae R. Karmakar, A. Rajor, K. Kundu, India
13:17 – 13:30	Managing E-waste in the Asia Pacific Region: Issues, Challenges, and Current Practices S. Herat, S. K. Ghosh, Australia, India	Open house dicusion	Green Chemistry behind the Synthetic Plastics and the Environmental Issues F. Mohammad, India		Invention of Waste Assimilator for Biodegradable Solid Waste Management and Organic Farming A. Kashyap, R. Borthakur, India
13:30-14:15	Lunch & Networking on 16th December 2017 at Mysore Hall (Basement) + Poster Session III				
	Plenary Session -5 (PS -5) : IconSWM – ISWMAW Hall		Plenary Session -6 (PS -6) : Vijayawada Hall, 1st Floor		
	Best Practices in Indian ULBs		Sustainable Business with Waste		
	Chair : Dr. C L. Venakata Rao, Vice Chirman, SAC, AP, India Co-Chair : Prof Sadhan Kumar Ghosh, Chair, IconSWM – ISWMAW, India		Chair : Ramakrishna Y B, Chair - WG on Bio Fuels, MoP&NG, Govt of India Co-Chair :		
14:15 –	3R Prictices, Mr. CRC Mohanty , UNCRD, Japan		The Business of Waste Management: Opportunities for (Informal & Formal) Private Sector		

14:35		Prof. C. Visvanathan, Thailand			
14:35-14:55	Best Practices in ULB's of Andhra Pradesh - An approach through effective MIS. Mr. Kanna Babu, CDMA, AP, Vijaywada, India	Energy Recovery Potential of Kitchen Waste Generated from Hotels N. B. Aryal, B. Adhikari, A. Ghimire, R. Subedi, N. R. Khatiwada, S. M. Shakya, Nepal			
14:55-15:15	Best Practices in Indore, Commissioner / Mayor, Indore	Experimental Study on the use of Co-Compost in Agriculture S. Saha, M. Alamgir, Bangladesh			
15:15-15:35	Best Practices of Waste Segregation and processing in Goa, India, Sanjith Rodrigues, Managing Director, Goa Waste Management Corpn., Goa .	Total Recycle: A decentralized waste to energy agenda for the emerging future Hoysall Chanakya, S Dasappa, Balachandra Patil, India			
15:35-15:55	Best Practices through community participation in Bangalore, India Mr. Rama Kant, BBMP	E-waste Management in China: Experience and Challenge Xianlai Zeng, Jinhui Li, School of Env. & BCRCAP, Tsinghua University, Beijing, China			
15:55-16:05	Tea / Coffee Break & Networking				
16:05-17:20	5th Parallel Break out Technical Sessions, Day 2, 16.12.2017 (Saturday)				
	16:05 –17:20 : 5th Parallel Break out Technical Sessions, Day 2, 16.12.2017 (Saturday)				
	TS 21	TS 22	TS 23	TS 24	TS 25
	IconSWM - ISWMAW Hall	Hyderabad Hall (Gr. Floor)	Vijaywada Hall (1st. Floor)	Bangalore Hall (1st. Floor)	Kolkata Hall (1st. Floor)
16.05 – 17.20	Strategies in Waste Management	E-waste Management - II	Waste Water Treatment using Bio-resources	Landfill, Leachate and Sludge Management	Applied Biotechnology - II
	Hall Manager: to continue	Hall Manager: to continue	Hall Manager : to continue	Hall Manager: to continue	Hall Manager: to continue
	Chair : Prof. H. Ballard, South Africa Co-chair: Asit Aich, ISWMAW	Chair : Co-Chair:	Chair: Prof. K. Purusottam Reddy, Co-Chair: Dr. N. Sreedhar, PJTSA University	Chair: Prof. Ofira Ayalon, Israel Co-chair: Prof. Mervat El-Hoz, Lebanon	Chair: Dr. Kuldeep Singh Dangi, Dean of Agriculture, PJTSA University, India Co-Chair: Prof. M. Torrijos, France
16:05-16:17	Commercial Solid Waste Generation and Composition Practice in A Tourism City – Hoi An, Vietnam S. T. Pham Phu, M. G. Hoang, T. Fujiwara, Vietnam	A Case study on the implementing challenges of the e-waste rules-collection centre perspective in Coimbatore region P. Omanakuttan, Shyam Premachandran, J. Senophiyah Mary, K. Nalini, India	Utilization Of Bioresources-Plant Based Natural Coagulants For The Treatment Of Cheese Processing Effluent Thamaraiselvi C., B. Sowmiya Rajalakshmi and M. Vasanthy, India	Carbon Flow in Sanitary Landfill: Sink or Source P. Agamuthu, Md. Afzanizam, S.H. Fauziah, Malaysia	Bio-remediation of Gurugram – Faridabad Dumpsite at Bandhwari R. Jaain, A. Patel, India
16:17-16:30	From Victim to Change Agents - Children as Social Change Agents for Cleanliness and Hygiene P.K. Jha, Y.K. Singh, India	Risk Assessment of E-waste Recycling with a focus on ISO 9000 standard R. Roychoudhuri, B. Debnath, S.K. Ghosh, India	Removal of microbiological wastes using Polyacrylonitrile Flat sheet Polymeric membranes S. R. Panda, Singapore	Urban Water Body Restoration in Semi-Arid Areas using Treated Sewage: Challenges and Emerging Trends H. N. Chanakya, S. Sukhani, Subramanya H, Sangunni K. S., India	Population Dynamics of γ- Proteobacteria during different phases of composting S. Sarkar, S. Pal, S. Chanda, R. Banerjee, S. Ganguly, P. Das, India
16:30-16:43	Technological and Financial Viability of SWM projects in ULB's. Asit Aich, Executive Engineer, Urban Development & Municipal Affairs,	Removal of copper from bioleachate of e-waste using orange activated carbon (OAC) and comparison with commercial activated carbon (CAC)	Bioremediation of oil contaminated wastewater and oil-in-water emulsion S. Bhattacharya, S. Putatunda, A. Mazumder, D. Sen, C. Bhattacharjee,	A review of health implications of landfill workers' health Ms. Jayanthi, R.	Creating Value Addition for MSW Biogas Plants: Increasing Mushroom Yields with Biogas Plant H. Suresh, H. N. Chanakya, S. Malayil, India

	West Bengal & Researcher, Jadavpur University	T. Thomas, J. Senophiyah Mary, T. Meenambal, India	India	Alaganthiran, Malaysia	
16:43-16:55	Impact of Waste Management Practices of Indian Small and Medium sized Manufacturing Enterprises on their Financial Performance D. De, P. K. Dey, S. K. Ghosh, R. P. Pappu, UK	Apply Decision Tree Algorithm Using Soil Characteristics on E-waste landfills C. Banerjee, R. Roychoudhuri, S. K. Ghosh, India	Efficiency of Indigenous Microorganisms in Bioremediation of Tannery Effluent Vaishnavi S, C. Tamaraiselvi, M.Vasanthy, India	Municipal Landfill Leachate Treatment using Electro coagulation Process C. B. Shivayogimath, M. N. Hiremath, India	Rapid in-vitro proliferation of <i>Tinosporacordifolia</i> callus from stem and leaf with phyto-chemical and antimicrobial assessment S. V. Punyapwar, V. Gedam, P. A. Raut, A. D. Chahande, India
16:55–17:08	Study on Solid Waste Management System in Dindigul Corporation of Tamilnadu and Feasibility analysis on Waste to Energy Projects Askin Raj J, Asif A, Kumaresan S, Suhee Vimallesh S, V. Kirubakaran, India	A Comparison between the Production of Organic Acids in Powdered and Plated Electronic Waste Sample in Bioleaching Process using HPLC/UV J. Senophiyah Mary, T. Meenambal, India	Synthesis of Bio-Hydrogen Renovated with Carbohydrate Rich Wastewater, Utilizing Monitoring Based Agitable UASB Reactor Eniyon UK, AnanthaRaj C, Atun RC, Arutchelvan, India	Microbial Profiling of Leachate Contaminated Soil S.H. Fauziah, W.Y.W. Liew, C. U. Emenike, Malaysia	Application of microbial cellulase for bioremediation of horticultural solid waste M. Mondal and U. Ghosh, India
17:08–17:20			Technical Feasibility of <i>Hermetia illucens</i> in Integrated Waste Management, Renovated with Sewage Water, an Overview Atun RC, Ashok Kumar N, Srinivas K, Sankaran S, Arutchelvan V., India	Effect of adsorption on leaching and migration of MSW leachate on soil: batch and soil column study D. Bharath Kumar ¹ , Jayalekshmi, India	Hazardous Impact of Pesticide Toxicity Alone or in Combination using Biochemical Marker N A Singh, India
17:20 - 17:35	Tea / Coffee Break				
17:35 – 18:40	17:35 – 18:40 : 6th Parallel Break out Technical Sessions, Day 2, 16.12.2017 (Saturday)				
	TS 26	TS 26	TS 27	TS 28	TS 29
	IconSWM - ISWMAW Hall	Hyderabad Hall (Gr. Floor)	Vijayawada Hall (1st. Floor)	Bangalore Hall (1st. Floor)	Kolkata Hall (1st. Floor)
	Applied Nanotechnology	Waste utilization and minimization	Advanced Technologies in Waste Water Treatment	Chemical Engineering in Waste Management - II	E-waste Management - III
	Hall Manager: to continue	Hall Manager: to continue	Hall Manager : to continue	Hall Manager: to continue	Hall Manager: to continue
	Chair : Co-chair:	Chair : Prof. Misuzu Asari, Kyoto Univ, Japan Co-Chair: Mr Narender TS PCB	Chair: P. K. Mahapatra, India Co-Chair: Dr. M. Morscheck	Chair: Co-chair:	Chair: Prof. Xianlai Zeng, Tsinghua University, Beijing, China Co-Chair: Prof. . Mukand S. Babel, Thailand
17:35 – 17:47	Solar Photocatalytic Degradation of Lead in Sanitary Landfill Leachate, using TiO₂ as Nanomaterial: Study on Natural Sunlight Naveen N. Desai, Veena S. Soraganvi, India	Very High Volume Fly Ash Green Concrete for Ordinary Application in India D. K. Mishra, J. Yu, C. K. Y. Leung, Hong Kong	Zero Waste Discharge in Wastewater Reclamation System for Small Cities G. Naidu, M.A.H. Johir, S. Shanmuganathan, A. Listowski, S. Vigneswaran, Australia	Assessing the Effect of Temperature on Performance of an Anaerobic Digester meant for High Altitude Operation P. Singh, N. R. Khatiwada, S. Man, Nepal	Obsolete Mobile Phone Generation and Recycling Progress in China N. Singh and H. Duan, China

17:47 – 18:00	Comparative study on Adsorption of dye solutions using Silver Nano-composites M. Sharma, P. Das, S. Datta, India	Packaging Waste from E-Commerce: Consumers' Awareness and Concern K. Chueamuangphan, P. Kashyap, C. Visvanathan, India	Removal of Alizarin Red S from wastewater: Optimizing the process parameters for electrocoagulation using Taguchi method T. Mukherjee, S. K. Ghosh, India	Innovative Technology for Waste Derived Advanced Construction Products through immobilization of low toxicity-high volume waste insulation materials R. Singh, B. Rao, S. R. Asolekar, India	Optimization of copper removal from e-waste using bioleaching technique by activated mosambi peels J. Senophiyah Mary, Teema Thomas, R. Loganath, Dr. T. Meenambal, India
18:00 – 18:12	Fabrication of Green Magnetic Nanoparticles using Aquatic Macrophyte Salvinia Natans Ahila. K. G, .Thamaraiselvi. C.M.Vasanthy, India	Investigation on the rheological property of engineered fly ash micro concrete T. Hemalatha, J. Bardoliwala, M. Mapa, S. Sasmal, India	Industrial Waste Water Treatment using Solar Still for achieving Zero Liquid Discharge V. K. Devi, S.S.N. Priya, M. Shivasankari, A. Murugaiyan, H.Saarathy, V.Kirubakaran, India	Effect of pH on Phosphorus Transformation of Polyaluminum chlorides Sludge U. A. Toor, Minsu Lee, Seulki Jeon, Hyuna Shin, D-J.Kim, Korea	Comparative Analysis of consumer approach towards e-waste management in India and Turkey: Case study of Bursa and Kolkata B. Debnath, G. Salihoglu, A. E. Kahraman, S. K. Ghosh, India and Turkey
18:12 – 18:25	Extraction of AgNO3 from the used X-ray Sheets and Plant Mediated Synthesis of Silver Nanoparticles D. Anjali, C.Maheswari, India	India Solid Wastes To Manure For Automated Agricultural Land With Electrical Distributed Generation D.B. R. Prasad, M. B. Ravishankar, India	Electro coagulation Introduction and Overview H. M. Guevara, S. Roy, UK	Physiological, biochemical, growth and yield responses of Radish (Raphanussativus L.) plants grown on different sewage sludge-fly ash mixture (SLASH) ratios B. Sharma, R. P. Singh, India	Batteries Waste Management Specially Small Batteries in Developing Countries: Taking Learning from Sweden & Japan H. Kaur, S.K. Ghosh, India
18:25 – 18:37	Synthesis, Characterization and Sorptive Removal of Heavy metals on Nano-Structured Agglomerates of Iron (III)-Cerium (IV) Bimetal Mixed Oxide (NICMO): Search For An Efficient, Low Cost Decontamination Technique T. Basu, A. Ghosh, U. C. Ghosh, India	Effective and Sustainable Solid Waste Management: Panacea to Flood Control Ojowuro, Olasunkanmi M, Onayiga, Jide, Nigeria	Textile Wastewater Treatment by Electrochemical Oxidation – Response Surface Methodology Rekha H. B., Srinidhi M. S., Usha N. Murthy, India	Arsenic (V) remediation using adsorption induced ultrafiltration process and management of toxic sludge in glass formation D. Mukherjee, S. Ghosh, S. Majumdar, K. Annapurna, India	A detailed assessment on the flow of mobile phones as e-waste in Coimbatore district Yaazhmzhi K., Balaji R., Dhivya Priya N., Senophiyah Mary J, Jeyanthi J., Nalini K., Sadhan K. Ghosh, India

Day 2 Ends.
Buses for the Guest Houses will leave at 7 pm from the Exhibition Venue.

DAY 3, 17.12.2017 (Sunday)

7th Parallel Break out Technical Sessions, Day 3, 17.12.2017

9:15-11:00	7th Parallel Break out Technical Sessions, Day 3, 17.12.2017				
	TS 30	TS 31	TS 32	TS 33	TS 34
	IconSWM - ISWMAW Hall	Hyderabad Hall (Gr. Floor)	Vijayawada Hall (1st. Floor)	Bangalore Hall (1st. Floor)	Kolkata Hall (1st. Floor)
	C&D and Disaster Waste Management	Case Studies in SWM	Hazardous Waste, Industrial waste and Biomedical Waste	Faecal Management	Strategies in Waste Management - II
	Hall Manager :	Hall Manager:	Hall Manager:	Hall Manager:	Hall Manager:

	Chair: Dr. Francis De Maria Co-Chair:	Chair : Chandrasekhar, TERI, India Co-Chair: N. Singh, China	Chair: Mr . Viswanathan, TSPCB Co-chair: Dr. Sandhya, BBMP, India	Chair: P. K. Mahapatra, Orissa, India Co-chair :	Chair: Prof. M. Alamgir, KUET, Bangladesh Co-Chair: Dr. Suneel Pandey, TERI, India
9:15 – 9:27	Post Disaster Waste Management: Lessons Learnt from 2015 Nepal Earthquake N. Dugar, S. Karanjit, N.R. Khatiwada, S. M.Shakya, A. Ghimire, Nepal	Pre-processing & Segregation of Municipal Solid waste S. Sampath, India	Recycling of Bottom Ash Generated from Incineration of Solid Refuse Fuel Residue by Manufacturing Bricks S.Y. Lee, J.S. Lee, W.S. Yang, S.W. Park, G.H. Han, Y.U. Jung, Y.S. Park, Y.C. Seo, Korea	Session Keynote Faecal Sludge Management : Indian scenario and way forward , Mr. P. K. Mahapatra, Orissa, India	Impact of Waste Management Practices of Indian Small and Medium sized Manufacturing Enterprises on their Financial Performance D. De, P. K. Dey, S. K. Ghosh, R. P. Pappu, UK
9:27– 9:40	Real Estate and Waste Management: Strategy and Implementation for Sustainable Business KM Dolly, India	CAN-PACK Material Recovery Facility – A Case for Integrating Informal Recyclers R. Juware, G. Mirashi-Shirsath, India	Solid Waste Management in Steel Industry – Challenges and Opportunities A. Ghosh, A.K. Ghosh, India	Use of Co-compost from Faecal Sludge and Municipal Solid Waste in Urban Green Space Plantation of Khulna City: Prospects and Problems T. K. Roy, F. T. Zohora, M. M. Saroar, S. M. Haque, Bangladesh	Decentralized Community- led Solid Waste management S. Aich, R. Ambastha, India
9:40 – 9:52	The possibility of cooperation with disaster volunteers and residents in disaster waste management S. Manami, M. Asari, Japan	Waste Management Challenges due to Tourism in Hilly Areas in India: A case study of Chamundi Hill, Mysore B. Debnath, A. Ghosh, B. Manoj Kumar, M. Kumar, A. Shariff, S. K. Ghosh, India	Recycling of Marble Waste in the Manufacturing of Ceramic Roof Tiles Sh.K. Amin, S.A. El-Sherbiny, H.H. Abo-Elmaged, M.F. Abadir, Egypt	Utilization of faecal sludge waste for co-composting process with partially digested biosolids K. Karthick, M. Vasudevan and N Natarajan, India	Green Campus Initiative : Response from a Self-financed Educational Campus – A Case Study Sucharita Bhattacharyya, India
9:52 – 10:05	Effect of Acidic Gases, Magnesium Sulphate, and Saline Water on Binary and Ternary Blended Cements V. D. Katare, N. N. Labhsetwar, M. V. Madurwar, India	Why is the Waste Sector Wasting Too Many Business Opportunities? A Case Study of Delhi, India A. R. Saha, G. Singh, India	Biomedical Waste Treatment Technologies in India D. N. Priya, M. Gupta, T. S. Sasi Jyothsna, B. Chakradhar, India	Piloting Appropriate and Sustainable Sanitation Service Delivery in Angul and Dhenkanal Municipalities, Odisha, India H.Mohanty, P. K. Mahapatra, India	Community Participation and Waste Management N. Kalra, V.K.R.V. Rao, India
10:05- 10:18	Comparison of Properties of Rubberized Concrete and Conventional Concrete C.V. Bindu, R. Selvaraj, M. Praveen Kumar, V.M. Shanthi, U.M. Adhithyalakshmi, India	Status of Waste Management in Sodepur Area: A Case Study A. Das, S.K. Ghosh, India	Comparative Study of Bio-medical Waste Management in Chandigarh (Union Territory), India R.K. Johal, A. Kaur, India	Lessen environmental hazards and health impacts promoting septage management in urban Odisha P. Nanda1, K C Sahoo1, A Ghosh, S Sasidharan, P Lawande,E Patnaik,P Dhal, V S Gupta, A Nawathale, D Nag, P K Mohapatra, B Prakash, India	Local Governance for Sustainable Solid Waste Management: A Case Study of Chandigarh (Union Territory), India R.K. Johal, A. Kaur, India
10:18 – 10:30	Post Disaster Waste Management: Lessons Learnt from 2015 Nepal Earthquake N. Dugar, S. Karanjit, N.R. Khatiwada, S. M.Shakya, A. Ghimire, Nepal	Case Study on Solid Waste Management – Maurya Society, Koregoan Park, Pune S. Kodag, India	Blast Furnace Flue Dust co-processing in Cement Kiln – A Pilot Study R. Baidya, U. Parlikar, S.K. Ghosh, India	The capability of application of globular composite biogas tank in anaerobic co-digestion fecal sludge and organic waste Hoang Le Phuong, Nguyen Kim Thai, Vietnam	Private sector start-ups and solid waste management in India: Their emerging role in unburdening the burden of formal and informal workforce P. Singh, India

10:30 – 10:42		Assessing Livelihood and Employment Generation Opportunities in Metros Arising from Increasing Compliance with SWM2016 – A Case of Bengaluru R Madhura, India	Recovery of Abrasives from Rejected Vitrified Grinding Wheels P. Sabarinathan, V. E. Annamalai, S. Sureshkumar, A. Xavierkennedy, India	Landscape of sewerage and septage set-up in Puri, Odisha K C Sahoo, P. Nanda, B Prakash, P Lawande, S Sasidharan, D Nag, A Ghosh, V S Gupta, A Nawathale, E Patnaik, P Dhal, P K Mohapatra, India	
10:42 – 10:55			Characterization of Iron Ore Tailings From Donimalai Iron Ore Mines And Implications Had Given For Effective Beneficiation M. Periyasamy, Loganath R, S. Mukhopadhyay, India		
11:00 – 11:15	Tea / Coffee Break & Networking				
11:15 – 12:15	Plenary Session, PS-7 & 8, Day 3, 17.12.2017 (Sunday)				
	Plenary Session (PS-7) 3R approach, Circular Economy and Climate Change IconSWM – ISWMAW Hall (Gr. Floor)			Plenary Session (PS-8) Biomass, Biowaste Valorization and Biofuel Hyderabad Hall (Gr. Floor)	
	Hall Manager :			Hall Manager :	
	Chair: Mr. Kanna Babu, CDMA, AP, Vijaywada, India Co-chair: Xianlai Zeng, Li, School of Env. & BCRCAP, Tsinghua University, Beijing, China			Chair: Co-chair:	
11:15 – 11:30	Developing the circular economy in South Africa: Challenges and opportunities Tahulela A.C, H. Ballard, South Africa		Solid manure Treatment in Dry Anaerobic Batch Digester: Process performance and start-up optimization M. Torrijos, S. Riggio, R. Debord, G. Esposito, E.D. van Hullebusch, R. Escudié, France		
11:30 – 11:45	Circular Economy in India, Sadhan Kumar Ghosh, IconSWM – ISWMAW, India		Biofuel Industries in India, Ramakrishna Y B, Chairman - Working group on Bio Fuels, Ministry of Petroleum & Natural Gas, Delhi		
11:45 – 12:00	3R approach towards bio-medical waste management system Anupam Khajuria, UNCRD, Japan		A strategic value proposition for valorising municipal and industrial liquid and solid wastes through biofuel production Ramakrishna Sen, IIT Kgp		
12:00 – 12:15	Recyclable materials as catalysts for non-biodegradable organics in water treatment S.B. Jonnalagadda, S. Maddila and Venkata D.B.C. Dasireddy, South Africa				
12:15 – 13:30	8th Parallel Break out Technical Sessions and Panel Discussions, Day 3, 17.12.2017				
	TS 30		TS 36		PANEL DISCUSSION
	Hyderabad Hall (Gr. Floor)		Vijaywada Hall (1 st Floor)		Bangalore Hall (1 st Floor)
	Waste to Bioenergy		Waste Water Management		Sustainability and Climate Change
Hall Manager :		Hall Manager :		Hall Manager:	
				Kolkata Hall (1st . Floor)	
				Applied Biotechnology	

	Chair: Dr. T. Meenambal, Coimbatore, India Co-Chair:	Chair: Co-chair:	Chair : Prof. Hima Bindu, JNTU, India Co-Chair:	Chair: Prof. Amit Ghosh, ISWMAW Co-chair: Mr Gautam Das, ISWMAW
11:15 – 11:27	Conversion of Landfill and waste gases to liquid fuels for the future Paliwal, H. Khuntia, H.N. Chanakya, India	An integrated process development for treatment of textile effluent involving ceramic membrane driven ultrafiltration and Biosorption B. Santra, S. Kar, S. Ghosh, S. Majumdar, India	Session Keynote : Improving Sustainable Waste Management by Increasing xR's Concept S.T.El Sheltawy, M.M.K.Fouad, H. A. Sibak, S. El Sherbiby, Egypt	Bioremediation of Lead Compound using Acenetobactersp 158; Optimization of Media and Cell Growth Dynamics M. Bose, S. Datta, P. Bhattacharya, India
11:27 – 11:40	Assessing the technical and economic viability of a bio-methanation plant in Nepal Y. Luitel, C. Khadka, S. Dhakal, N. R. Khatiwada, S.M. Shakya, Nepal	Effect of Particle Size of Low Cost Sorbent on Removal of Cr from the Tannery Wastewater Shakinaz T. El Sheltawy, Maha M. El Shafei, Dina D. El Sawy, Egypt	Environmentally friendly Pervious concrete for sustainable construction S. Dash, B. Kar, India	Developing An Artificial Wetland System For Wastewater Treatment By Using Duckweed Plants: An Effective Method V. Vairagade, B. R. Gautam, P. S. Kamble, India
11:40 – 11:52	Sustainable Algal Cultivation by Effective Utilization of MSW Digestate Slurry and Biogas By-products – An Advanced Approach towards Carbon Fixation and Generation of Biofuels A. Aman, HN Chanakya, India	Prediction model derived from optimization of waste tire derived Activated carbon for domestic dye removal T. Mukherjee, S. K. Ghosh, India	Sustainability (CSR): An Approach for Controlling Environmental Implications due to Industrial Processes R. V. Ralegaonkar, Shashi, India	Anaerobic Digestion of Biodiesel Residues for Energy and Revenue Generation H.K. Khuntia, H.N. Chanakya, N. Janardhana, S. Shetty, India
11:52 – 12:05		Effect of indigenous natural scavengers for the treatment of cheese processing effluent C. Thamaraiselvi, S. Rajalakshmi, A.S. Fatima and, M. Vasanthy, India	A Framework of Strategic Role for Developing Sustainable Products: Structural Equation Modeling Approach S. Roy, N. Modak, P. K. Dan, India	Biodegradation of azo dye using isolated novel bacterial species: Bacillus sp. U. Roy, P. Das, A. Bhowal, S. Datta, India
		Efficiency of Mango peel derived Activated Carbon Prepared via different routes as Adsorbent for Rhodamine-B A. Ghosh, D. Chakravorty, M. Rahaman, S. Bose, India	Current Situation and Challenges to Address on the Controlled Dump of Tripoli, Lebanon Prof. Mervat El-Hoz, University of Balamand, Lebanon	Metagenomic Framework for the Study of Soil Microbial Communities of Heavy Metal Polluted Industrial Zones of West Bengal P. Dutta and M. Basu, India
				Phytoremediation of Fabric Dyeing Effluent Using Selected Aquatic Macrophytes Ahila. K. G, Thamaraiselvi. C, M. Vasanthy, India
				Soil properties as influenced by in situ decomposition of rice stubble subsequently followed by tillage operation K P Bezbaruah, K N Das, G Goswami Kandali, J K Choudhary, P Kalita, P K Pathak, N Borah, Assam, India
13:30- 14:30	13: 30-14:30 : Lunch & Networking on 17th December 2017 at Mysore Hall (Basement)			

14:40-17:10	Valedictory Programme, IconSWM –ISWMAW Hall, Gr Floor; 3rd Day, 17.12.2017 (Sunday) Excellent Paper Award will be announced and given,
	Valedictory Programme, IconSWM –ISWMAW Hall, Gr Floor; 3rd Day, 17.12.2017 (Sunday)
14.40	Inviting the dignitaries on the stage
14.50	Prayer
14.55	Lighting the lamp by the dignitaries on the stage
15.05	Welcome Address by Prof. Misuzu Asari, Japan Society of Waste Management and Materials Cycle (JSMCWM) , Kyoto University
15.10	Reporting of the 7 th IconSWM 2017 at PJTSA University, at Hyderabad by Prof. P. Agamuthu, Univ. of Malaya, Co-Chair, 7th IconSWM
15.15	Declaring the name of the recipients of 7 th IconSWM & Springer Excellence Award 2017 by Dr. M Nelles, BDFZ & Rostock University, Germany, Co-Chair, 7th IconSWM and Prof. M. Alamgir, VC, KUET, Vice Chairs, 7th IconSWM
15.25	Declaring the name of Core committee of 8 th IconSWM by Dr. C. L. Venkata Rao, Executive Vice Chairman, Swachh Andhra Corporation and Prof. F Di Maria, Vice Chair, 7 th IconSWM & CRIC.
15.35	Feedback by Mr. C R C Mohanty, UNCRD, Co-Chair, 7 th IconSWM, Prof. C Viswanathan, Prof. Xianlai Zeng Li, and others organised by Mr CRC Mohanty
16.55	Inaugural Speech and Shri Bonthu Ram Mohan, Hon'ble Mayor, Greater Hyderabad Municipal Corporation
16.05	Valedictory Speech by Prof. V. Praveen Rao, Vice-chancellor, PJTSA University & Chair, 7th IconSWM 2017
16.15	Invite the awardees and handover the awards by the dignitaries.
16.40	Presidential Speech by the Prof. Sadhan Kumar Ghosh, Chair, IconSWM – ISWMAW, Jadavpur University, Kolkata,
17.50	Vote of Thanks & Announcement of the Field Visit on 18 th December starting at 8.45am from the venue, PJTSA University by GHMC
17.55	National anthem
17.00	Exit
	Buses for the Guest Houses will leave at 5.30 pm from the Exhibition Venue.
	Field visit on 18.12.2017 . Buses will start at 8.45am from the auditorium. Please register for the field visit & reach the auditorium at 9.10am.
9.00 – 3.30	1. Route no. 1. Will visit the SWM Facility at Jawarhar Nagar Landfill site, then to the famous Golkonda Fort and finally visiting the Birla Mandir bus will go to the GH. 2. Route no. 2. Will visit the Industrial JETL (Jedeemetla Effluent Treatment Facility), then to the famous Golkonda Fort and finally visiting the Birla Mandir bus will go to GH. The fees for the field visit has to be paid at the earliest and send request to : iconswm.service@gmail.com mentioning the Route no.

You are cordially invited to work actively for the 8th IconSWM 2018. Those who are interested to work in the organising committee in the 8th IconSWM 2018, kindly submit your name at the Technical Desk and mail it to : conference.iconsww@gmail.com.

POSTERS in 7th IconSWM 2017 at PJTSA University, Hyderabad, India

Authors are requested to bring the poster printed as per the size and the template design. Display at the respective location at the exhibition stall for Poster and on the 1st Floor of the auditorium on 15th December 2017 morning after your registration.

Sl.	Code	Title of the poster	NAME AND AFFILIATION
1.	F_00 39 FP	Passively Aerated Faecal Sludge Co-composting for Khulna City of Bangladesh	M. ALAMIN 1, Q. H. BARI2, Q.S.SAYEED3 1 Postgraduate Student, Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh , alamin081@gmail.com 2 Professor, Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh, qhbari@yahoo.com 3 Postgraduate Student, Department of Civil Engineering, Stamford University Bangladesh, Dhaka-1209, Bangladesh * Corresponding author. M: + 8801925489047, E-mail: alamin081@gmail.com
2.	I_E04 9 FP	Comparison of Pesticide Residues in Vegetables And Fruits Of Different Markets Using Solid Phase Extraction, GC-MS And Their Management Through Vermicomposting	M. Habibunisha and M. Vasanthi* 1Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli - 620 024, Tamilnadu, India. * Tell: +91 9443022816 E-mail: drvasanthi02@gmail.com
3.	I_E07 8 FP	A review of composting techniques for solid waste management	G. G. Ghorpade1* and K. S. Gumaste2 1M.Tech. Student (Civil Environmental Engg.), 2Professor Department of Civil Engg., Walchand College of Engg., Sangli, India Tel: 7769973300, E-mail: girishghorpade@hotmail.com
4.	I_E07 5	Removal of copper from bioleachate of e-waste using lemon activated carbon (LAC) and comparison with commercial activated carbon (CAC)	J. Senophiyah Mary1, Teema Thomas2, Dr. T. Meenambal3 1 *Research Scholar, Department of Environmental Engineering, Government College of Technology, Coimbatore, 2Assistant Professor, Department of Civil Engineering, Thejus Engineering College, Thrissur, 3Professor, Department of Civil Engineering, Madanapalli Institute of Technology, Chitoor, Andhra Pradesh *Corresponding Author: senophiyah.mary8@gmail.com
5.	I_E07 0 FP	Fast thermal degradation of biomass using scrapped solar cell with special focus on Photovoltaic (PV) waste disposal	G. N. LalithPankaj Raj 1, V. Madhan Karthik1*, M. Mohanraj. M 1, & Dr.V. Kirubakaran2 M.Tech Scholar1, Assistant Professor2 Rural Energy Centre, The Gandhigram Rural Institute - Deemed University, Dindigul, T.N., India – 624 301 * Corresponding author. M: + 91 9677845313, E-mail: madhankartikk007@gmail.com, kirbakaran@yahoo.com
6.	I_E07	A review of methods for quantification of	S. B. Hajare1* and P.G. Sonavane2

	9 FP	methane gas emissions from landfill sites	M.Tech Student Department of Civil Engineering Walchand College of engineering Sangli Maharashtra, India Professor, Department of civil engineering Walchand College of engineering Sangli Maharashtra, India , * Corresponding author: +91-9987303774/ +91-9870839919 E-mail: suryakanthajare28@gmail.com
7.	I_E00 2	Plastic Waste Management	V S Siva Prasad Voleti Dy. Manager (Mktg.), HZO. Contact No. : +91-7382601504, e-Mail ID: Sivaprasad.voleti@gail.co.in
8.	I_E03 3	Solid Waste Management	Sudakshina Aich Project Manager, Global Communities Mobile: 8055711866, Email: saich@globalcommunities.org
9.	F_E04 2 FP	Impact of Biological Treatment of Municipal Solid Waste on Climate Change in Georgia	N. Dvalishvili ¹ , T. Tsintsadze ² <i>Principial Researcher, Institute of Hydrometeorology of the Georgian Technical University, Tbilisi, Georgia,</i> <i>Director, Institute of Hydrometeorology of the Georgian Technical University, Tbilisi, Georgia, tenco_hydro@live.ru,</i> ecohydmnet@yahoo.com ; <i>1Corresponding author. Tel: +995577453215 E-mail: natelad@yandex.ru</i>
10	I_005 0	Energy Recovery From Food Waste At RGPV Campus	Vivek Raghuvanshi ¹ *, Savita Vyas ² 1M.Tech. Student, UTD RGPV, Bhopal, India, vivekragh@gmail.com 2Assistant Professor, School of Energy and EnviromentMangement UTD RGPV, Bhopal, India , savita_vyas@hotmail.com ; * Corresponding author. M: + 91 8770984580, 9644555616, E-mail: vivekragh@gmail.com
11	I_008 5	WASTE TO ENERGY-WORLD SCENARIO: A REVIEW	Mahendra Singh ¹ *, Dr. Leena G ² 1Research Scholar, ManavRachna International University, Faridabad, INDIA 2Professor, ManavRachna International University, Faridabad, INDIA 1*mahendra.npti@gmail.com, 2leenag.fet@mriu.edu.in
12	I_E02 6	Coagulation Performance Evaluation of Natural and Synthetic Coagulants for the Treatment of Sugar Wash	Thamaraiselvia. C, Ancy Jenifer a Saravananb and M.Vasanthyc a Department of Biotechnology, Mother Teresa Women University, Kodaikanal, Tamil Nadu, India-624101 b.R.Saravanan, Dept. of Marine Pharmacology, Faculty of Allied Health Sciences, Chettinad Academy of Research and Education (Deemed University), Kelambakkam-603 103, Kanchipuram (Dist) C Department of Environmental Biotechnology, Bharathidasan University, Trichy, Tamil Nadu, India Mobile: + 91 94430 22816, Email ID: drvasanthyc02@gmail.com
13	I_006 4	Arsenic Removal from contaminated water by using different Biosorbents available in the local area Arunachal Pradesh, India	Ganesh Chandra Dhal*, Tai Taigh, Devendra Mohan Department of Civil Engineering, Indian Institute of Technology (BHU), Varanasi, India Corresponding Email: ganesh.dhal@gmail.com
14.	F_008 3 FP	Effect of pH on Phosphorus Transformation of Polyaluminum chlorides Sludge	U. A. Toor, Minsu Lee, Seulki Jeon, Hyuna Shin, D-J.Kim* Department of Environmental Sciences and Biotechnology, Hallym University, Chuncheon, Gangwon 200-702, Republic of Korea ; * Corresponding author: Tel +82 33 248 2154, Fax: +82 33 256 3420, E-mail: dongjin@hallym.ac.kr
15	I_E11 3	Recycling of e-waste using Pyrometallurgy – pros & cons	Balaji R.1, Yaazhmozhi K.1, Dhivya Priya N.1, Senophiyah Mary J.1*, Jeyanthi J.2 1, 2 Government College of Technology, Coimbatore, Tamil Nadu, India * Corresponding author. M: + 91 9677757016, E-mail: senophiyahmary@gct.ac.in
16.	I_E12	Wastewater and Leachate processing using GE	Raagini Jaain (Geetanjali Envirotech) 9821280214 raaginijaain@gmail.com

	6 FP	Microbes	
17.	I_E142 FP	Vulnerability analysis of the groundwater quality around Vellalore-Kurichi landfill region in Coimbatore	Lakshmi Priya Thyagarajan1,* , J.Jeyanthi 1, Sudha.R1, Vijayashree.T1 1 Government College of Technology, Coimbatore, India * Corresponding author. Tel: +91 9486410533, E-mail: lakshmipriya95@gmail.com
18.	I_E12 9	WEEE (Waste Electrical & Electronic Equipment) legislations in India: Review of Transition phases Harveen Kaur, Sushma Goel, India	Harveen Kaur, Doctoral Research Scholar, Department of Resource Management, Lady Irwin College, University of Delhi, Delhi, India; * Corresponding author Harveen Kaur, M: + 91 7011106007, E-mail harveenk.scholar@outlook.com
19.	I_E11 9	Incineration of leather solid waste and solidification of the incinerated ash	V.Mozhiarasi1), Saraswathi 1), G.Sathish1), S.V.Srinivasan1*), R.Suthanhararajan1) Environmental Science & Engineering Division, Central Leather Research Institute, Chennai – 600020, India 2) Sardar Patel Renewable Energy Research Institute, Vallabh Vidyanagar-388120, Gujarat, India * Corresponding author., M: + 91 9445393300, E-mail: srinivasansv@yahoo.com
20		A method development for improving efficiency of solid waste collection system	D. N. Jadeja, D. S. Kaul, India
21		A New Fuzzy Model For Evaluation And Selection of Recycling Technologies of Metal Components of End of Life Vehicles	M. Pavlović1*, D. Tadić2, S. Arsovski2, M. Vulić1, A. Tomović, Serbia
22	I_E02 3	Natural Coagualants - An alternative FOR Conventional Methods of Potable Water Purification	B.Sowmiya Rajalakshmi* ., D. Divya*., M. Vasanthy** C. ThamaraiSelvi* *Department of Biotechnology, Mother Teresa Women's University, Kodaikanal-624 101 ** Department of Environmental Biotechnology, Bharathidasan University, Trichy, Mobile: + 91 94430 22816, Email ID: drvasanth02@gmail.com
23.	F_008 3 FP	Effect of pH on Phosphorus Transformation of Polyaluminum chlorides Sludge	U. A. Toor, Minsu Lee, Seulki Jeon, Hyuna Shin, D-J.Kim* Department of Environmental Sciences and Biotechnology, Hallym University, Chuncheon, Gangwon 200-702, Republic of Korea; * Corresponding author: Tel +82 33 248 2154, Fax: +82 33 256 3420, E-mail: dongjin@hallym.ac.kr

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Introduction to the 7th IconSWM 2017

Climate change was again placed at the centre of global diplomacy over the past couple of weeks as diplomats and ministers gathered in Bonn, Germany, for the latest annual round of United Nations climate talks. COP23 (<https://www.cop23.de/en/>), the second “conference of the parties” since the Paris Agreement was struck (<https://www.carbonbrief.org/analysis-the-final-paris-climate-deal>) in 2015, promised to be a somewhat technical affair as countries continued to negotiate the finer details of how the agreement will work from 2020 onwards. The seventeen Sustainable Development Goals 2030 formulated in 2015 focused on sustainable consumption and production, sanitation including many other goals those are directly or indirectly related to waste management. On the other hand, the 3R Forum in Asia and the Pacific initiated by the United Nations Centre for Regional Development (UNCRD) helps in generating the awareness on reduce, reuse and recycle strengthening the implementation of SDGs. These are some of the global initiatives which enhance the effectiveness of global waste management and efficient resource utilisation.

In India, with the announcement of the Swachh Bharat Mission (SBM), a countrywide cleanliness drive, by the hon’ble Prime Minister of India on 2nd October 2014, the aspiration and involvement of the citizen of India goes higher with respect to the improvement in waste management, sanitation and prevention of open defecation. SBM is considered as the country’s biggest-ever cleanliness drive costing over 10,600 million USD for 5 years involving 4,041 towns in India. A significant step towards green energy recovery from wastes is the proposed National Biogas Mission (NBM) for setting up 10 million biogas plants during next 5 years up to 2020-21 may bring light to the dream of utilising biomass and bio-wastes making a robust supply chain for a business model in India. A main component of bio waste is the organic fraction of municipal solid wastes. The Rules pertaining to Waste management in the areas of Municipal Waste, Electronic Waste, Construction and Demolition Waste, Hazardous Waste and Plastic Waste have been revised in the year 2016 for implementation based on 5R and circular economy concepts.

Waste generation is increasing at a very high rate in India keeping pace with other developing and developed countries. Sixty two million tones of MSW in 2015 is estimated to rise to 300 million by the year 2047 (510 grams per capita to 945 grams per capita) in India. Sustainable development presents a framework for change rather than a list of prescriptions to achieve it. There is, however, a growing consensus that the transition to a more sustainable society requiring new ways of meeting our needs which can reduce the level of material consumption and reduce environmental damage without affecting quality of life and introducing 3R (Reduce, Reuse & Recycle) concept.

The traditional ways of waste management in India and many other countries involved open dumping in unauthorized or government vacant land, a wide range of composting and unorganized recycling initiatives. Of course, India’s traditional culture of recycling and reuse makes nearly 25% - 35% of the wastes from household recycled and reused retarding it to come in the waste stream. With the improvement in the level of awareness, community participation and technological innovation, many initiatives have taken place in 61 cities and many other municipalities through , SBM, AMRUT, JNNURM schemes during last 10 years. These initiatives include different ways of waste treatment, e.g., composting, recycling, incineration, pyrolysis, bio-refining & biogas plants and SLFs. In India various issues, namely, efficient governance, waste collection, segregation, reuse, recycling, treatment with several options of energy recovery, awareness and enhanced commitment level of the community

participation, application of modern technology, waste management as a business model, waste management data generation, rehabilitation of Waste handlers and competent service providers need to be addressed.

The IconSWM movement was initiated for better waste management and environmental protection since the year 2009 through generating awareness and bringing all the stakeholders together from all over the world under the aegis of the International Society of Waste Management, Air and Water (ISWMAW) and by establishing some research projects accros the country. Like many other oragnsiations, the Consortium of researchers in International collaboration (CRIC) across the world helping in the IconSWM movement. IconSWM has become significantly one of the biggest platforms in India for knowledge sharing, awareness generation and encouraging the Urban Local Bodies(ULBs), government departments, researchers, industries, NGOs, Communities and other stake holders in the area of waste management in the country.

In 7th IconSWM 2017 has received 340 abstracts and 290 full papers from 34 countries. Only 260 full papers have been accepted for the proceedings after review. These papers and deliberations in the 7th IconSWM 2017 have explored all the waste management related issues. These volumes of the proceedings will be useful for the ULBs, Researchers, Practitioners and the government. Few excellent papers will be selected for publication in special issues of the journals namely, Waste Management and Research, Journal of Material Cycles and Waste Management and International Journal of Energy Sector Management through it own review process. The selected papers have to submit the paper after thorough self review including similarity checks at the earliet after the conference before 30th December 2017. This may be noted that 104 selected papers were published in Procedia Environmental Sciences, Elsivier in August 2016 from 5th IconSWM 2015, 30 selected paper were published as a book “Management and utilization of Bioresources” in October 2017, and 122 papers are in the process of publication in the book “Waste Mangement and Resource Circulation” by M/s Springer India Pvt Ltd. From 6th IconSWM 2016.

The success of the 7th IconSWM is the result of significant contribution of many organizations and individuals, to whom the IconSWM-ISWMAW Committee is indebted. IconSWM-ISWMAW Committee expresses its gratitude to Professor Jaysankar Telangana State Agricultural University at Rajendranagar, Hyderabad and Jadavpur University for allowing to hold the conference at Hyderabad. IconSWM-ISWMAW Committee gratefully acknowledges the help provided by the co-organisers, oraganising partners and sponsoring organizations. It also gives special thanks to the ministry of Housing and Urban affairs, Ministry of External Affairs and ministry of Home Affairs, Govt. of India, for allowing to hold the conference allowing a number of foreign delegates to participate. The Committee expresses gratitude to Mr Vinod Kumar Jindal, ICoAS, JS (SBM), MoH&UA, GOI; Dr. B. J. Reddy, IAS, Commissioner, GHMC, Dr. Anjum Parvez, IAS, Secretary, UD&MA, Govt of Karnataka, Dr. Dr. N . Visal, IAS, DMA, Govt of Karnataka, Mrs. Dipsikha Deka, Oil India Ltd., Mr. Manjunath Prasad, IAS, Comissioner, BBMP, Mr. P Satyanarayan, IAS, Member Secretary, TSPCB, Mr CRC Mohanty, UNCRD & IPLA, Prof. Shinichi Sakai, Kyoto University, JSMCWM, Prof Y. C. Seo and Prof S. W. Rhee of KSWM, Prof. V. Praveen Rao, VC and Dr. N Sreedhar of PJTSA University, Dr. C. L. Venkata Rao, Executive Vice-chairman, Swachh Andhra Corporation and Mr S. Gowra, President, FTAPCCI.

I must specially mention the support and guidance by each of the members of the international scientific committee, CRIC members, the core group members and the local organizing committee members of 7th IconSWM who are the pillars for the success of the programme. The

editorial board members including the reviewers, authors and speakers and Mr Aninda Bose and Ms Kamiya Khatter of M/s. Springer India Pvt. Ltd deserve thanks who were very enthusiastic in giving me inputs to bring the conference proceedings and books.

I must mention the active participation of all the team members in IconSWM accorss the country with special mention of Ms. Sheetal Singh and her team in CMAK, Mr. Suneel Pandey and his team in TERI, Prof. H.N. Chanakya and his team in IISc Bangalore, Dr. V. Kirubakaran, Saikesh Paruchuri, Anjaneyulu, Ms Sravya Reddy, Prof Hima Bindu, Ms. Senophaya Mary, S. Gadhalay, Biswajit Debnath, Suresh Mondal, Bisweswar Ghosh, Akash Roy, Gobinda Debnath and the research team members in Mechanical engineering Dept. and ISWMAW, Kolkata HQ for various activities for the success of the 7th IconSWM 2017. I expres my special thanks to Sannidhya Kumar Ghosh, being the governing body member of ISWMAW supported the activities from USA. I am indebted to Mrs Pranati Ghosh who gave me guidance and moral support in achieving the success of the event. 7th IconSWM 2017 was attended by nearly 450 delegates from 30 countries. The 8th IconSWM 2018 is expected to be held at Vijayawada, Andhra Pradesh during November 22-25, 2018. Once again the IconSWM and ISWMAW express gratitude to all the stakeholder including the service providers and delegates, speakers who are the part of the success of 7thIconSWM 2017.

Hope to see you all in 8th IconSWM 2018 in November 2018 in Vijayawada.

15th December, 2017

PJST Agricultural University, Kolkata

Prof. Sadhan Kumar Ghosh

Chief Editor & President, ISWMAW

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	Ms. Mandadi S. Reddy, Hyderabad,	Ms. Nikita, Asst. Director, NPC, Delhi

Past Conferences

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Executive Chairman 5th IconSWM 2015	:	Dr. H. N. Chanakya, Chair, CST, IISc, Bengaluru
Past Chairman 4th IconSWM2014	:	Dr. S.K. Joshi, I.A.S, Principal Secretary to Govt., Telangana Prof. Sadhan Kumar Ghosh, Professor, Jadavpur University
Past Executive Chairmen 4th IconSWM 2014	:	Dr. B. Janardhan Reddy, I.A.S. C&DMA, Govt of Telangana; Mr. S. Kumar, I.A.S, Commissioner, GHMC, Hyderabad
Past Chairman 3rd IconSWM2012	:	Mr. M. S. Ravisankar, IAS, Government of Karnataka Prof. Sadhan Kumar Ghosh, Professor, Jadavpur University,
Past Executive Chairmen 3rd IconSWM 2012	:	Mr. P.S Vastrad, IAS, Government of Karnataka Dr. M.R Ravi K.A.S, Government of Karnataka
Past Chairman 2 nd IconSWM2011	:	Prof. Sadhan Kumar Ghosh, Professor, Jadavpur University,
Past Chairman 1 st IconSWM2009	:	Prof. Sadhan Kumar Ghosh, Professor, Jadavpur University,

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Phone numbers with name will be inserted soon.

