



Principal Organisers: International Society Waste Management, Air and Water (ISWMAW)
K J Somaiya Institute of Management, Somaiya Vidyavihar University, Mumbai, India
International Partnership for Expanding Waste Management Services of Local Authorities (IPLA) – A SDG Partnership

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

Final Schedule: 13th IconSWM-CE & IPLA Global Forum 2023; 45 countries will join

Please fill in the goggle Form and submit. This will help us in session plan and other arrangements. Link: <https://forms.gle/Sr9Gc6CUqLbUPwvb7>

The conference will be organised on Hybrid Mode (we prefer physical presence of the delegates. Who will be unable to attend in-person may attend virtually. For any queries related to venue arrangements, facilities available, Sponsoring, Exhibition etc, kindly write to the following mails to get response in 24 hours:

<p>At IconSWM-SWMAW HQ Secretariat: Prof Sadhan K Ghosh, Chairman iconswm.ce@gmail.com, sadhankghosh@gmail.com, You can call to: +91 98310 50447/ 90381 15542/ 9830044464/ ISWMAW Secretaries: B Ghosh/ S. Paruchuri /Dr. Sutripta Sarkar/S. Mondal/Dr. Asit Aich</p>	<p>At IconSWM-ISWMAW Secretariat at KJSIM, Mumbai: Prof. Raman Ramchandran, Chairman iconswm.ce@gmail.com, iconswmce@somaiya.edu You can call to: +91 9867052227/ 9819833124/ 8777686385; Secretaries: Prof. S. Upadhyayand, Dr.L. Hari, KJSIM</p>
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Important Information: [For taxis, one may scan the QR code for the exact coordinates of K J Somaiya Institute of Management].

Also, one may use Ola, Uber, Kali Pili (black-yellow taxis), and Rickshaws to reach the destination.

Nearest International Airport: Chhatrapati Shivaji Maharaj International Airport T2 & Domestic T1 (12 km);

The airport's IATA code BOM is associated with "Bombay",

Nearest Railway station: For Express Trains: Lokmanya Tilak Terminal Kurla Stn (1.5 km); Dadar Stn (10 km);

For Local Trains: Vidya Vihar East/ Ghatkopar East/ (Nearly 1.5 km distance)

Hotels: Name of preferred hotels is available on website : www.iswmaw.com-

[HTTPS://ICONSWMCE.SOMAIYA.EDU/ACCOMMODATION.HTML](https://iconswmce.somaiya.edu/accommodation.html)

For Journal on SWTM: <https://www.iswmaw.com/journal.solid-waste.php> and <http://solid-waste.org>



Scan for Address

The foreign participant should submit online application for visa at www.indianvisaonline.gov.in .



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[All timings are given in Indian Time: IST (UTC+5.30) (+5.30 GMT)]

(Official Pre-Event of the Regional 3R and Circular Economy Forum in Asia and the Pacific 2023 in Vietnam by UNCRD)

Request to you: Kindly attend & circulate the schedule to your network for more participation of related stakeholders, (Masters and PhD students, researchers, Industries, government agencies, municipalities, SWM operators, NGOs and others.

Joining Link in this hybrid type of conference where delegates will join in-person and online:

You may join any session by clicking the row containing [(Click to Join) and the session number, Room no.] at the beginning of each session for Room No. C202, 203, 204, 302, 303, 304 and 402, Auditorium for Inaugural Program and Valedictory Hall. and Senate Hall on the final schedule. Please click on the Row and you will be allowed to join in the **Zoom Platform of that particular Hall**. Please download the Zoom app on your device. For joining any hall will take a few seconds. Clicking on [Click to Join] will take you to the zoom platform of the particular hall and you can join. No separate joining link is needed to join the hall in the conference.

Online Presenters are requested to use laptop and download the Zoom app. Please send the ppt & pdf both to iswmaw@gmail.com by 26.11.2023 with File name as Session Number_ paper code (e.g., TS4_A230; SS 12_A190 and so on). Online speaker will share the ppt. from his/her side. In case of any problem, our secretariat will share.

Presentation Durations in sessions:

Keynote 20 Minutes: Session Keynote & Plenary: 15 Mins; Special Sessions: 12 Mins; Technical Sessions: 10 Mins



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Collaborators of 13th IconSWM-CE & IPLA Global Forum 2023 held at KJSIM, Mumbai, India



Hall No.	Rom /Hall No.	Joining Links
Inaugural & Valedictory Auditorium	Meeting ID: 963 9338 5223; Passcode: 087343	https://somaia-edu.zoom.us/j/96393385223?pwd=Z3dxUFRFZEZreGZhQ3d1YmtxclU2UT09
C202		
C203	Meeting ID: 997 6928 2454; Passcode: 685097	https://somaia-edu.zoom.us/j/99769282454?pwd=bDVHTmt3clgwcmhXNU1qT0JMNlG6Zz09
C204	Meeting ID: 979 4321 4740; Passcode: 253223	https://somaia-edu.zoom.us/j/97943214740?pwd=cjR0VHhZwK3ArZXgzV3JZaEFia3pRdz09
C302	Meeting ID: 978 5534 0972; Passcode: 308658	https://somaia-edu.zoom.us/j/97855340972?pwd=aXlHRys4ZnRLMEJYNFNhb21tT284Zz09
C303	Meeting ID: 933 8834 7424; Passcode: 735349	https://somaia-edu.zoom.us/j/93388347424?pwd=OXMxM1gwWG8vRmxCcEpFT3Nyc05tdz09
C304	Meeting ID: 996 2325 5426; Passcode: 859226	https://somaia-edu.zoom.us/j/99623255426?pwd=SGN5RmNYbTZ1OFp5VmdPZVNncldwZz09
C402	Meeting ID: 995 0841 3422; Passcode: 776083	https://somaia-edu.zoom.us/j/99508413422?pwd=cWJHNiJLbUtdOVp1K2VzOHF1d3FoUT09



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Contact Details in Need		Local Contact at KJSIM, Mumbai: Dr. L. Hari : +91 9819833124 & Prof. Satyendra Upadhyay: +91 9867052227				
		Contact at ISWMAW HQ: Mr. B. Ghosh, 9831050447; Mr. Suresh Mondal: 90381 15542; Mr. P. Saikesh, 99895 73725				
Overall:	Prof. Sadhan K Ghosh, President, 9830044464	Prof. S. Upadhyay +91 9867052227	Mr. P. Saikesh, Secretariat, 99895 73725	Dr. Asit Aich, 94322 05365	Dr. L. Hari, KJSIM, 9819833124	
Transport Management:	Ms. Minal Bhutak, 9821221133		Accommodation facility:		Dr. Vaishali Padake, 9820497577	
Industry Sectors:	Prof. S. Upadhyay, +91 9867052227					
Registration Management:	Dr. Asit Aich, Dr.. Ipsita Saha, ISWMAW	Mr. Raktim Dasgupta	Jonty Rodrigues, K. Yateeswar Reddy	Mr. P. Saikesh, 99895 73725	Dr. N. Munil Lakshmi, 98664 37937	
Registration Counters	Dr. Asit Aich, Team, S K Roy, & Dr. Muni Lakshmi: Spot Registrants counter at Engg. Bldg, Pay cash/DD	Dr. Hernesh Mukhija, 9004426255	Prof. Brojesh Bolia, 97028 02460	B. Ghosh & S K Roy: Spot Registrants Pay by Visa Card / Gpay etc.		
Technical Sessions Management:	Dr. Sitripta Sarkar, ISWMAW, 94334 30019; Dr. Asit Aich, ISWMAW, 94322 05365; Ipsita Saha, 80174 51580, Dr. Lakshmikant Hari, 9819833124; Prof. Satyendra Upadhyay, 9867052227			Papers, Schedule, Proceedings: Mr. Dineshkumar M,63742 38506,Mr. Suresh Mondal, 8240537668;		
Reception Dinner & Dinner on 28.11.2023 for members		Reception Dinner on 29.11.2023 at Conference Hall		Sunidhi – 7300417941		
Wifi, Online platform, PAS Mngt.:	Jyothika, 9873433968	Mohit - 7024156009	Shubash Nadar - 9833931578	Mr. Dineshkumar M,63742 38506,		
Exhibition Stall Management	Meet Prajapati 9867766589;Anirudh Birla, 8118810854; Prof. S. Upadhyay, +91 9867052227					
Refreshment Management	Ms. Minal Bhutak, 9821221133, Preksha 9425350942,		Devang - 9769597352	Waste Management in Campus	Prishita- 9330397561; Tejal - 9999635454	
Inaugural & Valedictory Prog.	Prof. S. Upadhyay9867052227	Dr. Asit Aich, ISWMAW; Dr. Vidya Thakkar, 9591011122		Field Visit to CD	Prof. S. Upadhyay, 9867052227;	
Infrastructure Management	Prof. SudarshanShubash Nadar - 9833931578		Photography, Video	Rajarshi Chakraborty.8240001359, Suprakash Chakraborty 9836957801		
Presentation Durations in sessions: Keynote and Plenary:15 Mins; Special Sessions: 12 Mins; Technical Sessions:10 Mins						



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We welcome you to the 13th IconSWM-CE & IPLA Global Forum 2023

Program Summary [Time given in IST, (GMT+5.30). Please convert according to your country timeline]

	Room C202 [Click to join]	Room C203 [Click to join]	Room C204 [Click to join]	Room C302 [Click to join]	Room C303 [Click to join]	Room C304 [Click to join]	Room C402 [Click to join]
28.11.2023 (Tuesday) -Day 0 – Pre-Conference Day							
3.00 - 7.00pm	Pre - Registration at the IconSWM-CE Auditorium;						
12.00 - 1.30 pm&2.30–03.30 pm			IconSWM-CE 2023 Local WGs meeting – Review the final Preparation				
6.00 - 7.30 pm	IconSWM-CE Core Group & ISC members are cordially invited to the meeting followed by dinner;						
29.11.2023(Wednesday) -Day 1		Inaugural Program at 10.00 am to 12.00 pm.in the <u>SAKARBEN AUDITORIUM, KJSCE</u>					<u>Click & Join</u>
8.30am onward	Registration at the CHANAKYA GROUND FLOOR, KJSIM				LUNCH Venue		Govinda Canteen
2.30 – 9.00 pm	Keynote session, Plenary Sessions, Special Session & Technical Sessions and Reception Dinner						
30.11.2023 (Thursday) - Day 2		9.30 am – 6.00 pm: Plenary Sessions, Special Session & Technical Sessions					
1.12.2023 (Friday) - Day 3		9.30 am – 6.00 pm: Plenary Sessions, Special & Technical Sessions, WM Hackathon, Conference ValedictoryRed Auditorium					
2.12.2023 (Saturday) -Day 4		Visit to Godrej C&D Waste Recycling Facility [9.00 to 2pm]; Waste Management Hackathon, Startup Business Talks/exhibits					
August 2024 (Date to be announced later)			SDG Congress for School Students in Tokyo by Kyoto Beyond SDGs Consortium, JSMC &WM and ISWMAW				
Sessions Slots (IST)	9.30 to 11.10am	Tea / Coffee	11.30 - 1.10 pm	Lunch Break: 1.30- 2.30pm	2.30 - 4.10pm	Tea / Coffee	4.30 - 6.10pm 7.00 -9.00pm



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13th IconSWM-CE & IPLA Global Forum 2023 conference committee is very pleased that you agreed to organise the Special Session on Waste Management & Circular Economy as in the table below. Sessions have been planned. We request you to mobilise seven to eight papers [either abstract and full papers- full paper is not mandatory] for presentation @ 12 minutes each in the sessions. Full papers will be considered for publication in the books or special/normal issues of Journals (Journal of Solid Waste Technology and Management and Journal of Energy Sector Management). The full paper must comply with the journal guidelines & to submit by 15.12.2023. **Each Special session will be of 100 minutes. Chair, Co-Chair and coordinator.** Participation from 45 countries.

Kindly call: Chairman's Secretariat [Kolkata HQ: @ +91 9830044464 or 9038115542] or [Mumbai KJSIM venue: +91 98198 33214 or 98670 52227].

Mail to: iconswm.ce@gmail.com or sadhankghosh@gmail.com; For online attendance and presentation, the Zoom link will be shared later.

Expected participants from: Argentina, Australia, Barbados, Belarus, Cambodia, China, Denmark, Egypt, Ethiopia, France, Ghana, Georgia, Germany, Greece, Hongkong, India, Indonesia, Italy, Japan, Kazakhstan, Kenya, Myanmar, Malaysia, Malta, Maldives, Micronesia, Morocco, Nepal, Nigeria, Norway, Philippines, Russian Federation, Singapore, Samoa PREP, Serbia, Spain, South Africa, Tunisia, Taiwan, Thailand, Togo, UK, USA, Vietnam,

Hall Management Lead:		ISWMAW: Dr. Asit Aich [89103 54375] & Dr. P. Venkat [98408 31193]		KJSIM: Dr. Sudarshan, 7304053115, Dr. Jitendra, 8460560149		
Hall 1 with wifi Room No.: C-202, 2 nd Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes	Hall 2 with wifi Room No.: C-203, 2 nd Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes	Hall 3 with wifi Room No.: C-204, 2 nd Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes	Hall 4 with wifi Room No.: C-302, 3 rd Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes	Hall 5 with wifi Room No.: C- 303, 3 rd Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes	Hall 6 with wifi Room No.: C-304, 3 rd Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes	Hall 7 with wifi Room No.: C-402, 4 th Fl. Capacity: 75 Microphone: Yes Projectors & Laptop: Yes
Hall Management Team: ISWMAW: Dr.Sutriptta Sarkar KJSIM: Aparna Pandey: 9820531258 Manpreet Singh- 7726881652, Sahil Agarwal, &Shreyans Surana, +91 9404428170	Hall Management Team: ISWMAW: Dr. Rahul Baidya KJSIM: Milind Gawai: 9167939195 RIYA JAIN, ASTIK PANDEY, RADHIKA	Hall management team: ISWMAW: dr. Ipsita saha KJSIM: Harnesh Makhija: 9004426255 jairajbhansali, chirag, makena v m patrudu7673954453, parithymalan, 9943751668	Hall management team: Iswmaw: mr. Raktim dasgupta Kjsim:sangeetharajesh: 9821860564 madhavasija&anushri bag, mr. Bandi lokeshreddy,	Hall management team: Iswmaw: prof. Aditi mishal&mr. Dinesh kumar m, 6374238506 Kjsim:vandanatripathi: 9167636927 Rahul Bisht, Ashmita Samaddar,Harshwardhan Deshpande, 9921554682	HALL MANAGEMENT TEAM: ISWMAW: Ms. Padma GUNDE, Sonali Roy Choudhury Kjsim:brajeshbolia: 9702802460 Aashika Jain & Khushi Kesharwani, Mr V Rajesh, 8056456968	Hall Management Team: ISWMAW: Dr. YLP Thorani KJSIM: Anjali Chopra: 9820495195 Shivam Rustagi & Sriparna Das, Kam Patnam
DAY 0 : 28.11.2023		3.00: Meeting: National committee & Local Organisers Room no C204		6.00 pm: Meeting: International Scientific Committee followed by dinner, Room no C204		



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DAY 1	29 th November (Wednesday), 2023	Click & Join	29 th November (Wednesday), 2023
8.00 am	Delegate Registration		
Inaugural program 13th IconSWM-CE & IPLA Global Forum 2023 at Sakarben Auditorium, KJSIM,			
	The Inaugural Program will be presided over by Prof. S K Ghosh, Founder & President, ISWMAW		
10.05 - 10.15am	Welcome Address: Dr. Raman Ramachandran, Director, KJSIM		
10.15 - 10.25am	Theme, Objectives and Legacy of the event: Prof. S K Ghosh, Founder & President, ISWMAW,		
10.25 - 10.35am	Speech by Prof. Gert Morscheck, Rostock University, Germany;		
10.35 - 10.45am	Speech by Prof. Raghunath K. Shevgaonkar, Provost, Somaiya Vidyavihar University, Mumbai		
10.45 - 10.55am	Speech by Mr. C R C Mohanty, UNCRD, Japan		
10.55 - 11.05am	Speech Prof. Misuzu Asari/ Dr. OSAKO Masahiro, National Institute of Environmental Studies, President, JSMCWM, Japan [MoU signature between ISWMAW & JSMCWM], Online		
11.05 - 11.10am	Release of 1) Conference Proceedings, Release of books on 2) Circular Economy by Springer and Release of CE & SDG book Royal Society of Chemistry.		
11.10 - 11.20am	Speech by SBI (tbc)		
11.20 - 11.35 am	Inaugural Speech by Mr. Bart De Jong, Consulate-General of Kingdom of Netherlands in Mumbai, India		
11.35 - 11.45 am	Speech and announcement of the 14 th IconSWM-CE & IPLA Global Forum 2024 by the host of the conference: Prof Dayananada Siddavattam, VC, GITAM (online)		
11.35 - 11.55 am	Award Ceremony: IconSWM-CE Lifetime Achievement Awards, Award for Cleanest Village, IconSWM-CE Excellence Award for Coprocessing 2023 to industries		
	Key note speeches in Inaugural Session by		
11.55 - 12.10 am	<ul style="list-style-type: none"> Chairman, MPCB (tbc) [To confirm by MPCB] 		
12.10 - 12.25 am	<ul style="list-style-type: none"> Dr.. Kare H Karstensen, Chief Scientist, SINTEF, Norway 		
12.25 - 12.40 am	<ul style="list-style-type: none"> Mr. Atul Bhatt, Chairman & Managing Director, RINL, Visag Steel Plant, India (online) 		
12.40 - 12.45 am	Vote of Thanks		
12.45 pm	Group Photo & Visiting the stalls and Tea Break		
01.15 pm	Lunch Break (Venue to be announced soon)	Lunch Break (Venue to be announced soon)	



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Please fill in the goggle Form and submit to help for effective arrangements. Link: <https://forms.gle/Sr9Gc6CUqLbUPwvb7>

Joining Link : Click to Join and you will be connected to the hall. In-person presentation FIRST, online presentation later in the sessions.

Legends of session timings: Day X-11 means: 9.30am 1 st session; Day X-12 means: 9.30am 2 nd session; Day X-13 means: 9.30am 3 rd session; and so on; Day X-1-2 means: 9.30am & 11.30 am both session; Day X-2 means: 11.30am; Day X-3 means: 2.30pm; Day X-4 means: 4.30pm; Day X-5 means: 7.00pm to 8.30pm for USA and neighbouring countries;			
DAY 1-3	2.30 pm to 4.10 pm	1stDay 3rdSession Slots: 2.30 pm – 4.10 pm; Post Inauguration	2.30 pm to 4.10 pm
SS1 Day 1-31: Room C202 2.30 pm to 4.10 pm; Link		UNCRD special session on 3R and Circular Economy	CLICK TO JOIN
Hall Managers	Dr.Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal, Shreyans Surana		
	Organizer: United Nations Centre for Regional Development (UNCRD) of Division for Sustainable Development Goals (DSDG) / UN DESA		
	Co-organizer: International Society of Waste Management, Air and Water (ISWMAW)		
Co-Chairs	Choudhury Rudra Charan Mohanty, Environment Programme Officer, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA, Japan. Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India.		
	Facilitator/ Moderator: Choudhury Rudra Charan Mohanty, Environment Programme Coordinator, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA, Japan.		
	Rapporteur: Anupam Khajuria, Researcher, United Nations Centre for Regional Development (UNCRD)-DSDG/UN DESA, Japan.		
2:30–2:45 pm	Opening remarks		
	Rudra Charan Mohanty, Environment Programme Officer, UNCR)- DSDG/UN DESA, Japan (10 mins).		
	Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India		
2:45–3:00pm	Session A: Strategies and actions to promote 3r and circular economy in various waste streams		
3.00-3.15pm	A302: Sustainability through Circular supply chain for biomass, P. Agamuthu, Sunway University, Malaysia (Physical Presentation).		
3.15-3.30pm	A303: Biomass waste recycling for local revitalization: Lessons from Japan, Premakumara Jagath DickellaGamaralalage, IGES, Japan (Physical Presentation).		
3.30-3.45pm	A304: Circular Economy and Resilience to Climate Change and natural disaster, Kulwant Singh, 3R Waste Foundation, India (Physical Presentation).		
3.45-4.00pm	A305: Understanding of circular economy among the grass-root level workers and strategies to engage them in municipal waste reduction and segregation (20		



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	mins) – by Suman Dhun Shrestha, Intellectuals Center, Nepal (Online Presentation).	
4.00-4.10pm	Open discussion	
4.10-4.15pm	Chair Summary, Thanks giving and Group Photo	
4.15 pm	Tea Break	
SS 2, Day 1-32: Room C203		<u>Coprocessing of Wastes in Cement Plants and Facilities in RDF Supply Chain</u>
2.30 pm to 4.10 pm		<u>CLICK TO JOIN</u>
	Chair: Mr. U. V. Parlikar, Ex- Director, Geocycle & Consultant	Co-Chirs: Dr. Kare H Karstensen, SINTEF & Prof. Sadhan K Ghosh, ISWMAW
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika	
The awardees from Cement Plants and Facilities in RDF Supply Chain will speak [Presentation numbers are from A306 TO A323]		
	Expert from ACC Limited., Wadi	
	Expert from Dalmia Cement Bharat Limited, Belgaon	
	Expert from J K Lakshmi Cement Ltd., Durg	
	Expert from Udaipur Cement Works Ltd.	
	Expert from ACC Limited., Chanda	
	Expert from Dalmia Cement Bharat Limited, Kadapa	
	Expert from Sree Jayajyoti Cements Pvt. Ltd.	
	Expert from Dalmia Cement Bharat Limited, Dalmiapuram	
	Expert from Kalburgi Cement Pvt Ltd.	
	Expert from JSW Cement Ltd. Nandyal	
	Expert from Dalmia Cement Bharat Limited, Ariyalur	



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	Expert from J K Cement Ltd., J K White Cement Works, Gotan
	Expert from J K Lakshmi Cement Limited, Sirohi
	ZIGMA Global Environ Solutions Pvt. Ltd.
	Re Sustainability Limited
	GGEPI [Green Gene Enviro Protection & Infrastructure Pvt. Ltd.,]
	Antony Lara Enviro Solutions Pvt. Ltd.
	Saurashtra Enviro Projects Pvt. Ltd.
	Question Answer and Discussion
	Chair Summary presentation, Thanks giving and saving the online recording
	Tea Break
	To continue to SS6: Day 1-42 Room C203; 4.30-6.15 pm
	A379: Sustainable Biomass Value Chain in India, Lt Col Monish Ahuja (Retd), CMD PRESPL,
SS 3 Day 1-33:Room C204, 2.30 -4.30 pm	Plastic Waste Management
Intro: 2.30pm	Chair: Prof. M. Rafizul, KUET, Bangladesh,
Hall Manager	Co-Chair: Dr. P. Prasada Rao, Jt. Chief Env. Engr., APPCB
2.35-2.47 pm	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,
2.48 -2.58 pm	Session Keynote Speech:A142: Irradiation processes for the decontamination of plastic waste including brominated flame retardants, U. Maschke [R.K. Benmammar1, V.R. Mundlapati2, Z. Bouberka3, A.L. Barrera1, et al], France & Algeria
2.59-3.09 pm	A378: Plastic Waste Management in Rural Maharashtra, Kedar Mohonty, Green Communities Foundation, Mumbai
3.10 - 3.20 pm	A112: The environmental and social impact of protein engineering in order to biodegrade PET- Gianlauro Casoli, University of Parma, Italy
3. 21 - 3.31 pm	A159: Recycling of Polyurethane waste by glycolysis, Apurv Gadekar1, Devesh Sane1and Anagha Sabnis1, Mumbai, India
	A04: Recovering and Recycling Ocean Plastic: A Case Study from Kerala, Ekparna Das1, Sooraj Abraham2, Dr. Hareesh N Ramanathan, Kochi, Kerala, India

CLICK TO JOIN



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3. 32 - 3.42 pm	A152: Life Cycle Assessment Of Plastic Waste Of Various Compositions End Of Life Analysis Using Openlca, N T Nisha*1, I. M. Rafizul2, Isabell Lange3, Eckhard Kraft, Bangladesh & Germany		
3.43 – 3.53 pm	A129: Tunisian waste management: A review of approaching plastic waste Energetic impacts and sustainable alternatives, Jouini, S. Mauviel, G ,Benhassen Trabelsi, A, Tunisia & France		
3.54 – 4.15 pm	A104: Meso and Microplastics Assessment Along Dredging Areas of Urban Lake, Vellore District, Tamil Nadu, India, Mahenthiran Sathiyamoorthy*, Devananth Ramakrishnan, Sankar Loganathan, Vellore, India		
4.15 - 4.25 pm	Question Answaer and Discussion		
4.25 - 4.30 pm	Chair Summary presentation, Thanks giving and saving the online recording		
	Tea Break		
SS 4: Day 1-34: Room C302		Waste Managements & CE Initiatives in Hilly State of Meghalaya in North East India,	<u>CLICK TO JOIN</u>
2.30-4.30 pm			
Intro: 2.30 pm	Chair: Dr. R. M. Lyngdoh, Principal, Synod College, India;		Co-Chair: Mr. S Syiem, EE, Maeghalaya Pollution Control Board, Shillong
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,		
2.35-2.47 pm	Opening Remarks: Prof. Sadhan K Ghosh on Inducting 50,000 students in Meghalaya in Waste Management & Circular Economy by ISWMAW& Synod College		
2.48 -3.00 pm	A281: Waste Management in Sharon Memorial School, Shillong – Mr. Alding D. Myllem and Mr. SynropNongkhlaw		
3.00 - 3.12 pm	A282: Mr. S Syiem, Executive Engineer, Meghalaya State Pollution Control Board, Shillong PCB, Shillong		
3.14 - 3.26 pm	A250: Waste management and segregation - A Solution for reducing environmental degradation, W. Kharmawphlang, P. Nongkling, H. Swer , A.J. langrai , S.K. Ghosh and R. M. Lyngdoh, Shillong, India		
	A283: Waste Management Initiatives in Meghalaya, the Hilly State of India, Prof. Sadhan K Ghosh, Dr. Ipsita Saha, Dr. Sutripta Sarkar, Dr. Rahul Baidya, ISWMAW		
3. 28 - 3.40 pm	A284: Waste Management in Moolamyliang Village – Mr., ApmongPachiang, Headman and team		
3. 42 - 3.54 pm	A285: Mr. F. B. Chyne, Executive Engineer, Shillong Municipal Board, Meghalaya		
3.56 - 4.08 pm	A286: Mairang Presbyterial College		
4.08 - 4.20 pm	QA		
4.20 - 4.30 pm	Chair Summary. Thanks giving . Group Photo		



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	Tea Break		
TS 1: Day 1-35: Room C303 2.30 – 4.25 pm	Technical Session – Solid Waste Management – 1		CLICK TO JOIN
Intro: 2.30pm	Chair: Dr Dirk Hartel, DHBW, Stuttgart, Germany	Co-Chair: Dr Shilpi Kulshrestha, Atlas University, Mumbai	
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,		
2.35-2.47 pm	Session Keynote: A362: Waste management issues in the Himalayan region, Vishal Kumar, CEO- Waste Warrior Society, Mumbai		
2.48 - 3.03 pm	Lead Speech: A27: Follow the Monkey: A Pilot project on 3 level waste segregation and management in Thane city, Lata Ghanshamnani, Leena Kelshikar, VAngadi, P Motwani, Mumbai ,		
3.03 -3.13 pm	A52: SWM in S Africa, RIKHOTSO NP,, South Africa		
3.14- 3.24 pm	A57: Community Engagement and Sustainable SWM in Mysore: A Comparison of NGO and Corporate-Led Initiatives, Kavya P. Siddeshwar1, P Devi M, J Selvarajj, Tamil Nadi, India		
3.24 - 3.34 pm	A86: Exploring applicability of Lean Principles in SWM for Patna Municipal Corporation, Aditya Anand, Jaipur, India		
3.34 - 3.44pm	A38: Sentiment Analysis of Public Perceptions Towards Privacy Regulations, Hemaan and Murugan1 , Dineshkumar, Mumbai & Kolkata, India		
3. 44 - 3.54 pm	A24: Zero Garbage Model for Housing Societies in Pimpri Chinchwad, Aditi Lanke, Mukta Latkar-Talwalkar, Amey Naphade, Pune. India		
3.55 - 4.05 pm	A36: Review of a recognized and growing innovation: the electro deposition of metallic matrix composite coatings by including particles in a metallic film for solid waste management, Rajarshi Chakraborty, TanbirIslam, Sandip Ghosh, Biswajit Banik, Sayan Mukherjee,AmritaPradhan,Arka Bhattacharjee, Kolkata		
4.06 - 4.20 pm	F3: Generation, Composition, and Some Physicochemical Characteristics of Municipal Solid Waste (M.S.W.) In Ilorin –Nigeria, Ameen Babatunde. A1, Adekola F.A, Nigeria		
4.20-4.25 pm	QA & Discussion		
4.25-4.30 pm	Chair Summary , Thanks giving & Group Photo		
	Tea Break		



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TS 2: Day 1-36: Room C304 (2:30-4:10P.M.)		Waste Management, Circular Economy & Energy Recovery	CLICK TO JOIN
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,		
Intro: 2.30pm	Chair: Prof. Sai Sudhakar, GITAM	Co-Chair: Ms. Sonali Roy Choudhury	
2.35-2.45 pm	A174: Circular Thinking: Paving the Way for Sustainable Performance through Green Metrics, Sowdamini Thatta, ThoraniYediballi, Lalitha Nammi, Sai S Nudurupati. Vishakhapatnam India		
2.46 -2.56 pm	A364: Characterization and techno-economic evaluation of Olive pomace pyrolysis into biofuels and biochars, Mohamed Hechmi Aissaoui, Aïda Ben Hassen Trabelsi, Tunisia .		
2.46 -2.56 pm	A181: Adoption of Circular Economy: A Digital Technology Perspective and Way Forward, Mukesh Kondala, Sai S Nudurupati, Raja P Pappu. Visakhapatnam, India		
2.56 -3.06 pm	A235: Strategy to Reduce the Environmental and Health Impacts of Domestic Cooking Applications by Replacing Traditional Cookstoves, R. Sharma, SP Parameswaran, OP Kurmi, SK Upadhayay, SK Tyagi, IIT Delhi, India, Coventry University, United Kingdom, KJSIM, Mumbai, India		
2.56 -3.06 pm	A365: Thermal conversion of Rosemary waste into alternative bio-chars: A path towards circular economy, Fédi bey, Gmar Bensidhom,, Aïda Ben Hassen Trabelsi,, Tunisia		
3.06 -3.16 pm	A301: Youth-Led Initiatives in Tackling Plastic Pollution and Promoting Sustainable Futures, Bawa Arab, Africa Climate and Environment Foundation (ACEF), Nigeria, Africa Climate and Environment Foundation (ACEF), Nigeria		
3.16- 3.26pm	A190: The prospect of recovering bio-fertilizer by anaerobic co-digesting cow manure, palm oil sludge, and cassava peels, Mwigine J. Kamlenga, D. O. Olukanni, , T. Mkandawire, Nigeria		
3.26- 3.40	QA & Discussion		
	Chair Summary, Thanks giving & Group Photo		
	Tea Break		
TS 3: Day 1-37: Room C402 2.30 – 4.30 pm		Water & Waste Water – Treatment, Technology and Recycling -1	CLICK TO JOIN
Intro: 2.30pm	Chair: Dr. P. Venkateswaran, SCPL, Tirupati	Co-Chair: Dr Sugandha, KJSIM	
Hall Manager	Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam, ,		
2.35-2.47 pm	Lead Speech: A63: Metals recovery, water reclamation, and reagents circularity from acid mining drainage through membrane processes and chemical precipitation, Rubén Rodríguez-Alegre1 2 *, Laura Pérez, Montserrat Pérez-Moya, Julia García-Montaña, Carlos Andecochea Saiz, Xialei You, Spain		
2.47 -2.59 pm	Lead Speech: A218: Water Infinity through Water Circularity Practices: A Case Study of Govardhan Ecovillage's Inbound and Outbound Initiatives, Aditi Vivek Mishal, Mumbai		
2.59 -3.14 pm	Invited Speaker: A161: A Novel Bio Adsorbent Mediated Remediation of Pesticide Residues In Water Samples: An environmentally-friendly cleaning technology, Sandhimita Mondal ,Chayan		



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	Sardar, Ankita Das, Hare Krishna Jana Tapan Kumar Mandal, Kolkata	
3.14- 3.24 pm	A35: Removal of Heavy Metals from Aqueous Solution Using Ficus benghalensis as a biosorbent: A Kinetic and Isotherm Study, Harshala V. Kasalkar, Namrata Kislay, Nilesh D. Wagh, Geeta Malbhagem, Mumbai, India	
3.24 - 3.34pm	A49: Sustainable Water Resource Management Solutions using Design Thinking Principles and Innovative Hollow Shaft Technology: A Case Study at Village Kheware in Maharashtra, Naimesh R Tungare, Anuja Agarwal, D.G.Jha, Mumbai, India	
3.34- 3.44 pm	A83: Bioremediation of Sulfate in Water Environment: An Overview of Removal Pathways and Influencing Factors, Sreekanth Yadav Golla, Pranab Kumar Ghosh, Guwahati, India	
3. 44 - 3.54 pm	A84: Recent Sustainable Advancement in Phosphorus Removal and Recovery from Slaughterhouse Wastewater: A Review, Md. Adim, Mohd Imran Siddiqui, Yaser Saleem Siddiqui3, Farrukh Basheer, Aligarh, India	
3.54 - 4.04 pm	A94: Imperatives of science of sewage for designing efficient Wastewater Treatment system: Beyond conventional approach to sewage management, Snehal Donde, U Muni Raval, India & USA	
4.04 - 4.14 pm	A132: Utilising a fill-and-draw activated sludge system for the treatment of hypo sludge wastewater, Ackrad Seth Shimwense, Dasarathy, A.K.M.Tamilselvi, ,Ranjith Kumar R4,S.Kavitha5 and S. Ponkumar Ilango, Tamil Nadu, & Bengaluru, India	
4.14 – 4.25 pm	Question Answer & Discussion	
4.25 – 4.30 pm	Chair summary & Thanks giving, Group Photo	
	Tea Break	
DAY 1: 4TH SESSION	1st Day 4th Session Slots: 4.30 pm – 6.15 pm	
SS 5: Day 1-41 Room C202 4.30 - 6.15 pm	UNCRD Special Session on 3r and Circular Economy (Contd. From previous session SS1)- III. Session b: strategies and actions to promote 3r and circular economy in various waste streams	Click to Join
Hall Managers	Dr.Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana	
	Organizer: United Nations Centre for Regional Development (UNCRD) of Division for Sustainable Development Goals (DSDG) / UN DESA	
	Co-organizer: International Society of Waste Management, Air and Water (ISWMAW)	
Co-Chairs	Choudhury Rudra Charan Mohanty, Environment Programme Officer, United Nations Centre for Regional Development (UNCRD)-DSDG/UN DESA, Japan. Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India.	
	Facilitator/ Moderator: Choudhury Rudra Charan Mohanty, Environment Programme Coordinator, United Nations Centre for Regional Development (UNCRD)-	



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	DSDG/UN DESA, Japan.	
	Rapporteur: Anupam Khajuria, Researcher, United Nations Centre for Regional Development (UNCRD)-DSDG/UN DESA, Japan.	
4.30-4.50pm	A324: Experiences with circularity of Construction and Demolition waste management (20 mins) - by N.B. Mazumdar, International Academy of Environmental Sanitation and Public Health, India (Online Presentation)	
4.50-5.10pm	A325: Strategies, Actions, and Public-Private Partnership to Promote 3R and Circular Economy for E-Waste Management (20 mins) - by Amit Jain, IRG Systems South Asia Pvt. Ltd., India (Physical Presentation).	
5.10-5.30pm	A326: Climate robust and resilient waste management pilot in Ayodhya (20 mins) – by Suneel Pandey, Senior Director, The Energy and Resources Institute, India (Online Presentation).	
5.10 - 6.00pm	Open discussion	
	Closing Remarks	
6.00 - 6.05 pm	Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India	
6.05 - 6.10 pm	Choudhury Rudra Charan Mohanty, Environment Programme Officer, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA, Japan	
6.10-6.15pm	Thanks Giving and Group Photo	
	Please join the Cultural Program in the auditorium at 7 pm and Reception Dinner at 8.00pm	
SS6: Day 1-42 Room C203, 4.35-6.15 pm	Business to Business Session: Sponsors to interact among the industries for business development	<u>CLICK TO JOIN</u>
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika	
4.30 pm	To announce soon	
	Please join the Cultural Program in the auditorium at 7 pm and Reception Dinner at 8.00pm	
PS1 Day 1-43 Room C204 4.30-6.55 pm	Plenary Session: Circular Economy, Resource Efficiency and Decarbonization	<u>CLICK TO JOIN</u>
4.30 pm - Introduction	Chair: Prof. Sadhan K Ghosh, ISWMAW	Co-Chair: Prof. P. Agamuthu



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Hall Manager	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,	
4.35 – 4.50pm	Policy Design for Sustainable Consumption and Production (SCP), Dr. Yasuhiko HOTTA, Area Leader, PCA, SCP Area, IGES, Japan	
4.50 – 5.05 pm	Circular Economy implementation in India – A paradigm Shift. Prof. Sadhan K Ghosh, ISWMAW, Kolkata, India	
5.05 – 5.20 pm	Regulation and its implementation in support of Circular Economy in Andhra Pradesh, India, Dr. Prasada Rao, AP Pollution Control Board, India	
5.20 – 5.35 pm	A209: Innovation for the Circular Transformation of Manufacturing, Rene VAN BERKEL, Thailand	
5.35 – 5.50 pm	A42: Egyptian Low-cost Ceramic Water Filters for Separation of Humic acid and Oil particles from Wastewater, Sh. K. Amin, D. Rashad, M. S. Mansour, H. Abdallah, Egypt	
5.50 – 6.05 pm	A242: Asian Perspective on Solid Waste Management developments in the last five Decades, Agamuthu, P.1, Sandhya Babel, Malaysia & Thailand	
6.05 – 6.20 pm	A248: Problems Associated with an Open Dump Site at Khulna city of Bangladesh and Its Possible Solution, Prof. Dr. Md. Rafizul Islam, KUET, Bangladesh	
6.20 – 6.35 pm	Discussion, Chair Summary and Thanks giving	
6.35 – 6.55pm	Group Photo	
	Please join the Cultural Program in the auditorium at 7 pm and Reception Dinner at 8.00pm	
SS 7: Day1-44 Room; C302 4.30 – 6.40 pm	Panel Discussion on Waste Management and CE in Pharma Industries & Pollution Control organised by Visakha Pharmacy Industries, Visakhapatnam, AP, India	<u>CLICK TO JOIN</u>
4.30 Introduction	Chairs: Dr. P. Prasada Rao, APPCB and Dr.P. P. Lal Krishna, MD, Visakha Pharma City, Viasg	
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,	
4.35 – 4.50 pm	Keynote Speech: A255: Sustainable Waste Management and Circular Economy in a Theme Based Pharma Park, Jawaharlal Nehru Pharmacy, Visakhapatnam, Dr P P Lal Krishna, MD, Bisakha Pharmacy Ltd., Visag, India	
4.50 - 5.05 pm	Keynote Speech: Dr. P. Prasada Rao, Join Chief Environmental Engineer (FAC), AP Pollution Control Board, Vishakhapatnam, India, MD, BisakhaPharmacy Ltd., Visag, India	
5.05 - 6.05 pm	12 Pharmaceutical Industry representatives Will speak for 5 minutes each.	
6.05-6.25pm	Open House Discussion	
6.25-6.35pm	Chair Summary,	



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6.35-6.40pm	Closing Remark, Prof. Sadhan Kumar Ghosh, President, ISWMA W	
	Thanks giving and Group photo	
TS 3A: Day1-45 Room; C303; 4.30– 6.15 pm	Waste Management - Plastic waste, e-wastes & other Aspects of WM	<u>Click & Join</u>
4.30 pm Introduction	Chair: Dr Sudhir Tyagi, IIT Delhi,	Co-Chair: Dr Sutripta Sarkar ISWMAW, Kolkata
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,	
4.30- 4.45pm	Session keynote Speech: A360: Is recycling worth it?, Prasad Modak, Director, EMC	
4.45- 4.55pm	A178: Recycling of Polyester fabric for application in polyurethane coatings, Saurabh Vijay Sursure ¹ , Neel Umesh Godbole ¹ , Anagha Shyamsundar Sabnis, Mumbai, India	
4.55- 5.05pm	A188: Ganesha Ecosphere Limited: A Sustainable Approach to PET Recycling, Rushi Anandan Karichalil, Mumbai, India	
4.05- 5.15pm	A217: Agro- and Agro-processing Wastes to Clean & Green Energy: Smoke free Rural Global South, Dr.S. K. Tyagi, IIT Delhi, India	
4.15- 5.25pm	A236: Comparative assessment of degradability of polyolefinic packaging films in different media in contrast to biodegradable PLA and synthesized potato starch film, Deepshikha Datta, Mahima Mutsuddi, Bimal Das, Kolkata & Durgapur, India	
4.25- 5.35pm	A56: Public Sectors' Investment Risks Perceptions Modelling in PPP based Solid Waste Management Projects for Creating Circular Economy in Nepal, Mukesh Ghimire, Sudeshana Pandey, JongRoul Woo, Nepal,	
4.35- 5.45pm	A245: Recycling and Utilization of Waste Printed Circuit Boards, Ishita De, Rahul Baidya, Centre for Research and Innovation, Department of Mechanical Engineering, Institute of Engineering & Management, Kolkata, India	
4.45- 5.55pm	A356: Identification, mapping and assessment of hillside flood vulnerability; In the case of Kechene Meketeya Distric, Addis Ababa, Bethelhem Gebremedhin Gebreegziabher, Ethiopia,	
5.55 – 6.10pm	A357: Ecosystem based flood mitigation strategy and livelihood improvement for human settlements on the hilly areas of Addis Ababa; In the case of Kechene Meketeya District, Bethelhem Gebremedhin Gebreegziabher, Ethiopia	
6.10-6.15pm	QA, and Discussion	
6.15- 6.25pm	Chair Summary, Thanks Giving, Group Photo	
	Please join the Cultural Program in the auditorium at 7 pm and Reception Dinner at 8.00pm	



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SS 8: Day1-46 Room C304, 4.30 – 6.35 pm		Waste Management & Circular Economy in African Countries (Technology, Legislation] - 1
<u>Click & Join</u>		
4.30pm Introduction	Chair: Dr. Aida Ben Hassen, Tunisia	Co-Chair: Prof. Davil Ollukanni, Covenant University, Nigeria
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,	
4.35- 4.45pm	A124: Assessment of Date palm biomass wastes valorization using Py-GCMs with focus on renewable biofuels and bio-chemicals production, Gmar Bensidhom ¹ , Miriam Arabiourrutia ² , Martin Olazar ² , Fatma Bhiri ¹ , Aida Ben Hassen Trabelsii, Tunisia & Spain	
4.45- 4.55pm	A41: Circular Economy and Waste Management in Kenyan Policies and Frameworks, Amb. Prof. Michael K. Koech, Mr. Kaburu J. Munene, Philip N. Wangia, Kenya	
4.55- 5.05pm	A224: Analysis Circular Economy Opportunities and Challenges for SMEs in the E-Waste and Plastics Sectors in Ghana, Amfo-Otu, R., ² Quartey, Q. Q., & Foster, D., Ghana & UK	
5.05- 5.15pm	A127: Pyrolysis kinetics of pinewood and influence of process conditions on biochar properties, Assia Maaoui ^{1,2*} , Raouia Chaghtmi ^{1,2} , Maria Cortazar ³ , Gartzten Lopez ^{3,4} , Asma Ben Abdallah ⁵ , Fatma Bhiri ¹ , Martin Olazar ³ , Aida Ben Hassen Trabelsi, Tunisia & Spain	
5.15- 5.25pm	A113: Constructed Wetland as a Sustainable Way of Managing Hospital Effluents: A Review, Emma K. Nsafoah ^{1,2*} , Bernard Fei-Baffoe ¹ , Alhassan Sulemana ¹ , Kodwo Miezah ¹ , Kofi S. Boateng ³ , David Azanu ¹ , Kwame O. Buabeng, Ghana	
5.25- 5.35pm	F44: Exploring The Nexus Of Clean Energy And Plastic Waste Management In Lagos, OluwamurewaAyomidotun Newo, Ogagaoghene E. Odokuma, Felix Chidozie, Samuel Sanni, Nigeria	
5.35- 5.45pm	A 257: Application of Hybrid Solar-Powered Electrocoagulation and Electrooxidation System for Textile Wastewater Treatment, Yemane G. Asfaha, Feleke Zewge, Teketel Yohannes, Shimelis Kebede, Adama Science and Technology University, Adama, & Addis Ababa University, Addis Ababa, Ethiopia	
5.45- 5.55pm	A 257: Effects of waste management on real estate valuation Case of landfills, M. Farhaoui, Pr. C. Slimani, Sidi Mohamed Ben Abdellah University, ESSOR Lab, Fes, Morocco	
5.55 – 6.05pm	A260: Investigating Geostationary Temperature of the Nocturnal Transition within the Surface Boundary Layer Using Fourier Spectral Technique in Port-Harcourt, Kudirat O. Adeyemi ¹ , Henry O. Boyo ² , Friday B. Sigao, Nigeria	
6.05- 6.15pm	QA, and Discussion	
6.15 – 6.25pm	Chair Summary, Thanks Giving, Group photo	
	Please join the Cultural Program in the auditorium at 7 pm and Reception Dinner at 8.00pm	



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TS 4 Day 1-47 Room C402 4.30-6.30 PM		Waste Utilisation and Circularity -1	CLICK TO JOIN
4.30pm	Chair: Dr. YLP Thorani, GITAM, India		Co-Chair: Dr. L. Hari, KJSIM, Mummbai, India
Hall Manager	Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam, ,		
4.35- 4.45pm	A78:Impact of Mango waste on Soil Physico-chemical, biological, and enzyme activities, N. Sai jyothi, E. Sandhya Rani S.Anitha, G.Narasimha, Tirupati, India.		
4.55- 5.05pm	A5:Development and study of acoustic performance of Noise Barriers by using waste material, Shailendra Joshi, Geeta Malbhage, . Nilesch Wagh, Mumbai, India		
4.05- 5.15pm	A6:From Trash To Treasure: Sustainable Management of Furniture Waste In Selected Educational Institution -A Pilot Study, Suraksha Narang1 , Dr. Urvashi Mishra, Baroda, India		
4.15- 5.25pm	Mitigating Kanamycin Contamination: Bagasse as an Eco-Friendly Adsorbent for Environmental Protection, Anannya Sengupta1 and Sandhimita Mondal1, Kolkata, India		
4.25- 5.35pm	A188:A Case Study: Strategic Adoption of Upcycling Practices by Sustainable Fashion Brands, Divya M Jaitly, Karishma Desai , Arpita Purohit., Mumbai, India		
4.35- 5.45pm	A58: Green Synthesis and Characterization of Cu-Nanoparticle from Moringa oleifera Flower and Assessment of Its Antibacterial Activity, K. Gajarmal, N. Patil, P. Kumbhar, S. Kumbharkar, Pune,		
4.45- 5.55pm	A61: Alkali Activation Technology for Production of Eco Bricks/Blocks- A Review, Manjunath Sharanappanavar1 and Dr. A. K. Dasarathy, Bengaluru, India		
5.55 – 6.10pm	A62: Utilization of Petroleum Coke Combustion By-products: An Approach towards Circular Economy, Varsha Parmara, Prabha Padmakaran, Mohd. Akram Khana., Bhopal & Ghaziabad		
6.10 – 6.15pm	QA & Discussion 4.45- 4.55pm		
6.15 – 6.30pm	Chair Summary Presentation and Thanks Giving		
7 pm: Cultural Program at the auditorium Bonjour 🇫🇷 KJSIM is organising a special international cultural evening on 29th Nov for IconSWMCE participants. Rediscover cinematic classics through a different lens 🎬 🎭 Alliance Française de Bombay and K J Somaiya Institute of Management, Somaiya Somaiya Vidyavihar University, with the support of the French Institute in India, the Cinémathèque Française (CF), and the National Film Archive of India (NFAI) are thrilled to bring to you — Moving Pictures: Rare Indian and French gems from the Silent Film Era with live music! 🎵 The Ciné-Concert is performed by the French duo: 🎹 Robert Piéchaud (on piano) & 🎷 Stan de Nussac (on saxophone) So, join us in experiencing the magic as cinema and music intertwine in a perfect harmony 🎭 🎬 🎵 📅 Wednesday, 29 November 2023 6.00 pm 📍 Auditorium: Smt Sakarben Karamshi Somaiya Sabhagrahu., Somaiya Somaiya Vidyavihar University Free for All conference participants; Limited seats, Delicious dinner are arranged after music concert for IconSWM-CE participants			
8.00 –10.30pm	Reception Dinner; Venue to be announced soon		Reception Dinner; Venue to be announced soon



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DAY 2; 30.11.2023^{2nd}Day 1stSession Slots: 9.30am – 11.10 am

Sessions: 9.30 am to 11.10 am

SS9: Day 2-11Room C202 9.30 am- 11.10 am	Industrial Symbiosis for Circular Economy in Maharashtra	<u>CLICK TO JOIN</u>
	Chair:	Co-chair:
Hall Managers	Dr.Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana	
	To announce	
TS 5 : Day 2 -12, Room C203; 9.30 – 11.10 am	<u>Environmental Sustainability</u>	<u>CLICK TO JOIN</u>
9.30Introduction	Chair: Prof. Dr. Aditi Vivek Mishal, Atlas Skilltech University, Mumbai	Co-Chair: Dr Shilpi Kapoor, VP, Env Mngt Centre, Mumbai
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika	
09.35 – 9.45 am	Lead Speech: A268: Clean green mean RNG -Sub title: an innovative concept of proven technologies, Mr. Jaap Veenenbos, Group CEO SusBDe Global, The Netherland	
09.45 – 9.55 am	A59: Circular Economy framework and management insights: A study of Indian fertilizer and chemical industry, Abhinav Katiyar & Vidyadhar V. Gedam, IIM Mumbai, India	
9.55 – 10.05am	A32: Trace the Waste: An Educational Game on Waste Management Adithi Muralidhar, HBCSE, TIFR , Amruta Jategaonkar, Anisha Malhotra Dalvi, Mumbai	
10.05- 10.15 am	A134: Zero waste approach for sustainable Food Management- A Case Study at Atlas University Cafeteria, Mumbai, Shilpi Kulshrestha, Aditi Mishal, Atlas Skill Tech University, Mumbai	
10.15- 10.25 am	A169: Monitoring the carbon footprint of manufacturing process: a methodological proposal, Raktim Dasgupta ¹ , Saddhan Kumar Ghosh ² , Arup Ranjan Muukhopadhyay, Kolkata	
10.25- 10.35 am	A74: How Green Entrepreneurship evolved over the past two decades? A glance through Bibliometric analysis, Rashmi Shrivastava, Neelika Arora, Neeraj Dhiman, Jammu	
10.35- 10.45 am	A193: Unveiling Mumbai's Environmental Crucible: A Study on Climate Change, Air Pollution, and the Alarming Specter of Smog amidst preparations for UNFCCC COP 28, Aditi V Mishal, Aditya Gupte, ATLAS SkillTech University, Mumbai	
10.45- 10.55 am	A11: Circularity interventions in MSW sector: LCA Mapping, Hema Diwan, Juan Mandy, Jitender Singh, Hitesh Kavasias, Mumbai,	
10.55- 11.05 am	A223: Unraveling the Impact of Greenwashing in the Fast Fashion Industry, Kajal Bhojwani, Karishma Desai, Shweta Loonkar, Mumbai	
11.05- 11.15 am	QA, and Discussion	
	Chair Summary, Thanks Giving	
	Tea Break	



Principal Organisers: **International Society Waste Management, Air and Water (ISWMAW)**
K J Somaiya Institute of Management, Somaiya Vidyavihar University, Mumbai, India
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SS10: Day 2-13; Room C204 9.30 – 11.10 am		Resource Circulation in Pharmaceutical Industries	<u>CLICK TO JOIN</u>
9.30Introduction	Chair: Mr. M. Divi Rao, Former Director, DIVIs Laboratory, Visag, India		Co-Chair:
Hall Manager	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,		
11.35am -12.35 pm	A110: Industrial Waste Management is totally different from Municipal/City Waste Management - Case studies on Resource Circulation and Business Potential in Pharmaceutical Industries		
12.36 – 1.00pm	QA & Discussion		
	Chair Summary & Thanks Giving		
	Lunch Break		
SS11: Day 2-14 Room C302; 9.30-11.10am		Philippines - Waste Management & Circular Economy - [Speakers Online]	<u>CLICK TO JOIN</u>
09.30Introduction	Chair: Prof. A. Naperi, Philippines		Co-Chair: Dr. Lynlei Pintor, Philippines
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,		
09.35 – 9.45 am	A194: Performance Of A Continuous-Flow Rice Husk Gasifier For Rack Oven, Catherine DR. Pueyo, Philippines		
09.45 – 9.55 am	A171: E-Waste and Circular Economy: Present and Future Prospects in the Philippines, Arturo Mariano I. Figueroa, Philippines ,		
9.55 – 10.05am	A320: Complementarities of the Circular Economy and Green Productivity, The Case of the Philippines, Lynlei L. Pintor, Philippines		
10.05- 10.15 am	A231: Waste Management Technologies Towards a Circular Economy in the Philippines, Josel B. Godezano and Lynlei L. Pintor, Philippines		
10.15- 10.25 am	A232: Factors Affecting the Use of Eco-Friendly Food Packaging in Micro, Small, and Medium Enterprises (MSMEs) in Ibaan,Batangas, Philippines		
10.25- 10.35 am	A233: Environmental Governance in the Context of Zero Waste Management: A Case Study of Circular Economy in Siquijor Island, Philippines, Arlen A. Ancheta; Norman Moises Z. Garcia; Maria Rosario Virginia C. Garcia; Alain Santos,Racquel Layco; and Arnold Distor, Philippines		
10.35- 10.45 am	A234: Total Economic Value of Zero Waste Management in Siquijor Islands, Philippines, Alain Jomarie G. Santos, A Ancheta, Ma. R Garcia, A Distor, R Layco, Moises NormanGarcia, Philippines		
10.45- 10.55 am	QA & Discussion		
10.55- 11.10 am	Chair Summary, Concluding Remarks by Dr. Asit Aich, Group Photo		
	Tea Break		



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SS12: Day 2-15; Room C303; 9.30 – 11.10 am		Open House for any panel discussion for any organiser	<u>CLICK TO JOIN</u>
9.30- Introduction	Chair:	Co-Chair:	
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,		
	Details will be announced soon.		
TS 6: Day 2-16 Room C304, 9.30-11.20 am		Energy Recovery from Wastes	<u>CLICK TO JOIN</u>
9.30am- Introduction	Chair: Dr. Asit Aich, ISWMAW. Kolkata	Co-Chair: Ms. Padma Gunde	
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,		
9.35 – 9.50am	Session Keynote: Biomass based Biorefinery - And Sustainability, Dr. Sangeeta Srivastava, Executive Director, Godavari Biorefineries Limited (GBL), Mumbai, Maharashtra, India.		
9.50 – 10.00am	A149: Auto-Gasification of Seaweed: A Sustainable Approach for Energy Production and Waste Management, Vishal Devarajan, Sutharsanan Viknesh Machappuli, Kamelash Kannan, Revathy Subbiah Rajaram and Kirubakaran Victor, Tamil Nadu, India		
10.00 – 10.10am	A20: Energy Recovery from Wastewater Through Phytoremediation Treatment, Dinesh Kumar M, Sadhan Kumar Ghosh, Prasanta Kumar Dey, Amit Dutta, Kolkata & UK		
10.10 – 10.20am	A101: Energy Intensification in Waste To Energy Plant, Suviitra A, Mundhe Akash Antram, Pavan Totla, Pune, Maharashtra, India		
10.20 – 10.30am	A55: Performance of dual-fuel (DF) engine powered with the biogas derived from sugar cane bagasse and diesel injection at optimized injection timing, Hemanth Kumar K. J, B. Sadashive, Gowdab, Jyothilakshmi. R, N. R. Banapurmath, Bangalore, India		
10.30 – 10.40am	A13: Biogas production as renewable energy resource: developments & implementation strategies, Oluwadare Joshua OYEBODE, Nigeria		
10.40 – 10.50am	A150: Co-Digestion of Poultry and Sago Waste- A Pathway for Sustainable Waste Management, Revanth Mani, Salai Muthu Kumaran Muthuvadivelan, Preethi Ravichandran , Tharani James Jayabal , Lalith Pankaj Raj Nadimuthu and Kirubakaran Victor, Tamil Nadu, India		
10.50 – 11.00am	A2: Design and development of adsorption cooling system, Pushpa Patil, India		
11.00 – 11.10am	A266: Bioethanol Production From Coconut Husk Using Fermentation Method, G. Swathi1, D. Dhanaraja2*, P. Balaganesh, Namakkal, India		
11.10-11.15am	QA, Discussion		
11.15-11.20am	Chair Summary, Thanks giving and Group photo		
	Tea Break		



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TS 7: Day 2-17 Room C402; 9.30-11.20 am		<u>Business, Community and Informal Sectors – 1</u>		<u>CLICK TO JOIN</u>	
9.30 am - Introduction		Chair: Dr. Raman Ramchandran, Director, KJSIM		Co-chair: Prof. Satyendra Upadhyay, KJSIM, Mumbai, India	
Hall Manager		Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam,,			
9.35 – 9.45 am		A33: A study analyzing the effect of sustainable waste management on financial performance of NSE Companies, Kamalika Ray, Shruti Sandeep Chavarkar, Mumbai, India			
9.45 – 9.55 am		F64: Empowering women entrepreneurs: catalysts for effective commercial waste management, Afsal F, Drisya Das A S, Kerala, India			
9.55 – 10.05 am		A247: Self-Help Groups Managing Waste in Rural Areas of Myruru, Giresh Mohan1*, Harish HR Bubu2, Manoj M., ITC Limited, Kolkata, Bangalore, Mysuru, India			
10.05–10.15 am		A72: Efficiency and effectiveness of privatization of waste management services (collection) -a case of Bengaluru city, Ashish Khanal, Bhawna Bali, TERI, New Delhi, India			
10.15–10.25 am		A121: Semi-Solid Waste Management-Economy, Environment and Employment, Vandana Tripathi, Mumbai, India			
10.25 –10.35 am		A165: Are green initiatives and performance influenced by digitization in manufacturing firms? Evidence from emerging markets, R K Arya, Anjali Singh, Mumbai, India			
10.35–10.45 am		A215: Applying Agile, Scrum principles to non-software domains such as education, healthcare or social services with the help of Artificial Intelligence, K Naukudkar, Sudarshan Sirsat, Mumbai, India			
10.45–10.55 am		A51: Impact of Perceived Quality on Purchase intention of consumers – a Meta Analysis, Rajalakshmi Anantharaman, Mumbai, India			
10.55–11.05 am		A74: How Green Entrepreneurship evolved over the past two decades? A glance through Bibliometric analysis, Rashmi Shrivastava, Neelika Arora, Neeraj Dhiman, Jammu			
11.05–11.15 am		QA & Discussion			
11.15–11.20 am		Chair Summary, Thanks, group photo			
		Tea Break			
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	2 nd Day 2 nd Session Slots: 11.30am – 01.10 pm		
Tea Break	11.30am – 01.10 pm	Tea Break:11.30am – 01.10 pm	Tea Break:11.30am – 01.10 pm
SS13: Day 2-21; Room C202;11.30am –01.15 pm	Mainstreaming Disaster Waste Management in Asia and the Pacific [highlight topics to prioritize & mainstream Disaster Waste Management in India and Asia (and the world).		<u>CLICK & JOIN</u>
11.3- Introduction	Chair: Prof. Misuzu Asari, JSMCWM, Japan	Co-Chair: Dr. Anupam Khajuria, UNCRD, Japan	
Hall Managers	Dr. Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana		
1135 – 11.47am	A203: Preparation of disaster waste management in Thailand, Assoc. Prof. Dr.SirintornthepTowprayoon		
11.47 – 11.51am	A202: Disaster Waste Management in Japan - focusing of flood disaster, Prof. Shinya Suzuki		
11.51 – 12.03 pm	A199: Characteristics of the institutional framework for disaster waste governance in Japan,Dr. Ryo Tajima		
12.03 - 12.15 pm	A201: Exploring Guidelines for Disaster Waste Management in Asia, Mr. Shintaro Higashi:		
12.15 - 12.27 pm	A200: Disaster Waste Management from the View of Business Continuity Management, Dr. Glenn Fernandez		
12.27 - 12.50 am	A363/ A240: A Study on the Disaster Resiliency of Siquijor Island, Philippines, Racquel Layco, Arlen A. Ancheta, Moises Norman Z. Garcia, Maria Rosario Virginia Cobar-Garcia,Philippines		
12.50 - 1.05 pm	QA & Discussion		
1.05- 1.20pm	Chair Summary, Thanks Giving, Group Photo		
	Lunch Break		
SS14: Day 2-22; Room C203; 11.30am – 01.15 pm	Solid Waste Management, Future of Mass incineration, vs Latest Technologies, and Sustainable Operations and Circularity		<u>JOIN & CLICK</u>
11.30am Introduction	Chair: Mr. M. Veera Chary, President, AP Projects, Jindal Urban Waste Management Ltd., Guntur, India	Coordinator: Mr. Ravi Shankar, Jindal Urban Waste Management Ltd., Guntur, India	
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika		
11.35–11.50 am	Opening Remarks by: Mrs. Shraddha Jindal Jatia, Joint Managing Director - For Jindal Saw Group, India AND Prof. Sadhan K Ghosh, President, ISWMAW.		
11.50–12.40 pm	A280: SWM, Future of Mass incineration, vs Latest Technologies, Sustainable Operations and Circularity, Mr. M Veerachary, President, AP Projects, JUWML., Guntur, AP, India		
12.40– 2.50 pm	Deliberation by Expert		
12.50- 1.05 pm	QA and Discussion		



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1.05 – .15 pm	Chair Summary & Thanks Giving and Group Photo	
	Lunch Break	
SS15: Day 2-23; Room C204; 12.00pm – 01.40pm	Recent development in Construction and Demolition Waste Management	<u>CLICK TO JOIN</u>
Introduction	Chair: Dr. C J Engelsen, SINTEF (Foundation for Industrial and Technical Research), Oslo, Norway	Co-Chair:
Hall Manager	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,	
12:00-12:15	Session Keynote: A93: Treatment and recycling of C&D waste – Potential for saving natural resources and reduced CO ₂ ., Dr. Christian J. Engelsen, Chief Scientist, SINTEF, Norway .	
12:15-12:27	A275: Recycled C&D waste used in concrete production, Mr. Kshemendra Nath P., Managing Director Resilient Energy., India	
12:27-12:39	A276: Experiences from C&D waste demolition activities in Mumbai, Mr. Ram Matte, Managing Director Matte Associates., India	
12:39-12:51	A277: Experiences with using recycled concrete aggregates in construction project, Dr. Sivakumar Kandasami, General Manager, L&T., India	
12:51-01:03	A278: Use of recycled concrete aggregates in concrete block production – Environmental benefits, Ms. Tejashree Joshi, Head - Environmental Sustainability, Godrej Construction., India	
01:03-01:15	A279: Economics and business models for enhancing Urban Resilience by recycling C&D materials, Dr. Gaurav Bhatiani, Director, RTI International India .	
01:15-01:30	Discussions and closing remarks	
01:30-01:35	Chair summary,	
01.35 – 01.40 pm	Closing Remarks, Prof. Sadhan Kumar Ghosh, President, ISWMAW	
	Group photo.	
	Lunch Break	
SS16: Day 2-24; Room C302; 11.30am – 01.10 pm	Waste MANAGEMENT and Circular Economy in European Countries-1	<u>CLICK TO JOIN</u>
11.30 Introduction	Chair: Prof. Dr. Gert Morscheck, Rostock University, Germany	Co-chair: Prof. Francesco Di Maria, Italy
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,	
1135 – 11.47am	A172: Material and energetic use of biogenic residues and wastes, Prof. Dr. Michael Nelles - DBFZ, the German Centre for Biomass Research and Univ. of Rostock, Germany	
11.47 – 11.51am	AXXX: Circular Economy in the EU & Germany – status and development, Prof. Dr. Gert Morscheck - University of Rostock, Germany	
11.51 – 12.03 pm	A28: Environmental consequences from the production of E-Fuel from integrated waste-to-energy and electrolysis system: A Case Study in Italy, M. Ebrahimzadeh Sarvestani, F. Di Maria, University of Perugia, Italy	
12.03 - 12.15 pm	A147: A methodology for life-cycle assessment of blue-green infrastructure in the green city development program, A. Kálmán*, and K. Bene, Hungary	



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12.15 - 12.27 pm	A140: Hydrothermal Carbonization of the Organic Fine Fraction from Mechanical Biological Treatment of Municipal Solid Waste, Tommy Ender, Saeideh Kiani Harchegani, Haniyeh Jalalipour, Vicky ShettigondahalliEkanthalu, Michael Nelles, University of Rostock, Germany		
12.27 - 12.39 am	A131: The use of artificial intelligence in supply chain project management: insights from german organizations, Dirk H. Hartel/Öncü Hazır1), Öncü Hazır, Germany & France		
12.39 - 12.51 pm	A139: Hydro chars from Vietnamese rice straw, Dr. Ruth Gebauer - University of Applied Sciences and Arts Hildesheim/Holzminen/Göttingen, Germany		
12.51 - 01.05 pm	QA & Discussion		
01.05 – 01.15pm	Chair Summary & Thanks Giving		
	Lunch Break		
SS17: Day 2-25; Room C303; 11.30am – 01.30 pm [online]	Marine littering & micro plastic in Asia and the Pacific - Regional & National Rules, action plans and present status –Organised by IGES, Japan, ISWMAW, MoEJ, Japan		CLICK TO JOIN
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,		
Organisers	International Society of Waste Management, Air and Water (ISWMAW) and Institute for Global Environmental Strategies (IGES) Organisers		
Co-organiser:	Ministry of the Environment, Japan		
Chair:	Dr. Noriko Tamiya- Hase, Deputy Director, Office of Policies against Marine Plastics Pollution, Ministry of the Environment, Japan		
Co-Chair:	Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India Chochoe Devaporihartakula, Programme Manager, Institute for Global Environmental Strategies (IGES)		
Facilitator/Moderator:	Premakumara Jagath Dickella Gamaralalage, Director, IGES Centre Collaborating with UNEP on Environmental Technologies (CCET)		
Rapporteur:	Chochoe Devaporihartakula, Programme Manager, Institute for Global Environmental Strategies (IGES)		
11:30 – 11:35 AM	Introduction, Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India		
11.35am	Opening Remarks, A representative from Ministry of the Environment, Japan		
11.40-1.00pm	III. Presentation Session		
	Speaker I – VIII (10 mins each) from Japan, Thailand, Cambodia, Myanmar, Vietnam		
11.40 – 11.50am	A294: Environmental Risk Assessment of Microplastics in the Chi River Basin: Insights from Multiple Media and Biological Indicators, Dr. Jutamas Kaewsuk, Lecturer and Head of Program, Environmental Engineering and Disaster Management Program (ED), Mahidol University Kanchanaburi Campus (MUKA)		
11.50-12.00pm	A295: City Action Plan and Local Initiatives in Nakhon Si Thammarat, Dr. Vongvachira Ovararin, Deputy Mayor, Nakhon Si Thammarat City Municipality, Thailand		
12.00-12.10pm	A296: Current Status of Plastic Waste and Solutions to Reduce Plastic Waste in Vietnam, Dr. Vu Dinh Hieu, Vice Director, Vietnam Environmental and Marine Sciences Institute (VEMSI), Ministry of Natural Resources and Environment (MONRE).		
12.10-12.20pm	A297: COMPOSTED's Role in Plastic Waste Reduction in Cambodia, Ms. Sean Bophaphal, Deputy Director, COMPOSTED, Cambodia		
12.20-12.30pm	A298: OECD Plastics Putlooks: From a Global Perspective to a Focus on ASEAN Plus Three Countries, Dr. Ruben Bibas, Environment and Economy Integration Division, OECD Environment		



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	Directorate
12.30-12.40pm	A299: ASEAN Region Perspective on Plastic Waste/Marine Debris - Challenges and Countermeasures, Chochoe Devaporihartakula, Programme Manager, Institute for Global Environmental Strategies (IGES)
12.50-1.00pm	A300: G20 Report on Actions against Marine Plastic Litter, 2023 - 5th Information Sharing -Towards Osaka Blue Ocean Vision, Mr. Ran Yagasa, Policy Researcher, Sustainable Consumption and Production, Institute for Global Environmental Strategies (IGES)
1.00-1.20pm	Q&A and Discussion
1.20- 1.30pm	Closing Remarks, Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India
	Group Photo
TS8: Day 2-26; Room C304; 11.30am – 01.10 pm	Recent Trends in Circular Economy
11.30 Introduction	Chair: Mr. C R C Mohanty, UNCRD, Japan
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,
11.30 – 11.45am	Session Keynote: Circular Economy in Asia Pacific countries, Mr. C R C Mohanty, UNCRD, Japan
11.45-11.55am	F25: Financing the Circular Economy Models, Anupama Rathore, India
11.55-12.05pm	A175: A Neutrosophic AHP-based approach for evaluating the importance of Circular Economy practices in SMEs, Sai S. Nudurupati., Raja P. Pappu, Thorani L. P. Yediballi, Dey, P. K, and Annamdevula, S., Visakhapatnam, India & UK
12.05-12.15pm	A85: Building a Circular Economy for Textiles in India through an Extended Producer Responsibility, Suneptula S Jamir, India
	A115: Accelerating circular economy using digital transformation, Vijay Karna, Mumbai
	A170: Sustainable Production in the Primary Steel Sector via Resource efficiency, Raktim Dasgupta1, Saddhan Kumar Ghosh, Arup Ranjan Muukhopadhyay, Ipsita Saha, Kolkata, India
	A08: Closing the Loop: Regenerating Residue Through Circular Economy Approach, Ms. Geethalakshmi K, Sanjay Rode , Mumbai, India ,
	A241: Adoption of Circular Practices, to enhance Organizational Resilience-A Case Study Approach, Balaji B Vedula1, Sai S Nudurupati, Visakhapatnam, India.
	A162: Advancing towards a 3R and Circular Economy Model for Waste management, Pradeep Amatya, India
	A16: Strategies For Advancing Green Building And Resource Recovery In Nigeria, Oluwadare Joshua OYEBODE, Nigeria
	QA & Discussion
	Chair Summary & Thanks Giving



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	Lunch Break	
SS 18: Day 2-27; Room C402; 11.30am – 01.15 pm	Waste Management & Circular Economy in Asia Pacific Countries [Nepal, Taiwan, Vietnam, India] [online session]	CLICK TO JOIN
	Chair: Prof. Nawa Khatiwada, Nepal	Coordinators: Dr. Hoang Thanh Huong, and Dr. Le Thi Tuyet Mai of Dong A University, Vietnam
Hall Manager	Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam, ,	
11.30-11.50am	Session Keynote: A358: Circular economy and electronic waste management, Mr. Bhushan Kapse, MD, TechEco	
11.50 – 12.00pm	A82: Reducing Carbon Footprints in Textile Production: A Study of DyeCoo's Waterless Dyeing and Its Impact on GHG Emissions, Le Hoang Ngoc, Lien T.K. Trinh, Le Thi Tuyet Mai, Anh Hoang Le, Vietnam & Taiwan	
12.00 – 12.10 pm	A98: Low-cost Material Derived from Coconut Husk for the Removal of Chromium (VI) from Water Environment, Minh Duc VU 1, 2, Viet Anh HOANG 1 *, Duc Bao NINH1, Duc Loi VU, Vietnam	
12.10 - 12.20 pm	A182: Endorsement of Plastic Waste and E-waste into the Circular Economy by Fabrication and Recovery Back Process, Milan Bohara, Sashi Kiran Thapa, Nischal Maharjan, Kiran Gurung, Krishna Deo, Jyoti Giri, Nepal	
12.20 - 12.30 pm	A54: Reverse Logistics for Fostering Circular Economy, Shilpi Kapur Bakshi, Viraj Joshi, Mumbai	
12.30 - 12.40 am	A183: Circular Economy by Fabrication and Recovery using Plastic Waste and E-waste, Jyoti Giri, Rameshwar Adhikari, Mamata Adhikari, Deeya Tamang, Hemraj Joshi, Nepal	
12.40 - 12.50 pm	A81: Evaluation of Factors Influencing Students' E-Waste Recycling Intention Among Households in Ho Chi Minh City, Vietnam, Le Thi Tuyet Mai1*, Do Phuong Thao1, Hoang Anh2, Nguyen Lam Hong Chau1, Lien T.K. Trinh 3, Anh Hoang Le, Vietnam & Taiwan	
12.50 - 01.05 pm	A71: Securing Livelihoods through Municipal Waste: The Case of Informal Waste Workers in Kathmandu Metropolitan City, Nepal, Ashish Khanal1, Bhawna Bali, New Delhi, India	
01.05 – 01.15pm	A97: Adsorptive Removal of Flouride from Aquatic Environment by Coffee Residue modified with Cerium Oxide, Lai Duc VU1, Thi Linh BUI2, Quynh Dung LE1, Duc Loi VU1, Viet Anh HOANG, Vietnam	
	QA & Discussion	
	Chair Summary & Thanks Giving, Group Photo	
	Lunch Break	



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2 nd Day 3 rd Session Slots		
SS19: Day 2-31; Room C202; 2.30am – 4.10 pm	UNCRD special session on IPLA – A SDG Partnership Session A: strategies, actions and public-private-partnership to promote 3r and circular economy in various Waste streams	<u>CLICK TO JOIN</u>
Hall Managers	Dr.Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana	
	Organizer: United Nations Centre for Regional Development (UNCRD) of Division for Sustainable Development Goals (DSDG) / UN DESA	
	Co-organizer: International Society of Waste Management, Air and Water (ISWMAW)	
Co-Chairs	Choudhury Rudra Charan Mohanty, Environment Programme Officer, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA, Japan. Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water	
	Facilitator/ Moderator: Choudhury Rudra Charan Mohanty, Environment Programme Coordinator, (UNCRD)- DSDG/UN DESA, Japan.	
	Rapporteur: Anupam Khajuria, Researcher, United Nations Centre for Regional Development (UNCRD)-DSDG/UN DESA, Japan.	
2.35- 2.55pm	A340: Circular Economy strategies for small WEEE: Perspectives from Australia (20 mins) – Gimhan Jayasiri, Sunil Herat and Prasad Kaparaju, Griffith University, Australia (Online Presentation).	
2.55-3.15	A341: Cities, food and circularity (20 mins) - by Paramita Datta Dey, National Institute of Urban Affairs, India (Online Presentation).	
3.15-3.35	A342: Circular Economy strategies, action to promote efficient and sustainable hazardous and chemical waste (20 mins) - by Kulwant Singh, 3R Waste Foundation, India (Physical Presentation).	
3.35-4.00pm	Open discussion	
	Continued to SS22: Day 2-41Room C202; 4.30 – 6.15 pm at C202	
	Tea Break	



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Day 2 - 3			2.30 to 4.10 pm
SS 20: Day 2-32; Room C203 2.30am – 4.10 pm		India- Norway Co-processing of Alternative Fuels and Resources- Phase II Project by SINTEF, Norway	<u>CLICK TO JOIN</u>
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika		
14:30- 14:35:	Welcome address, Prof. Dr. Sadhan K Ghosh, Chairman- ISWMAW and 13 th IconSWM		
14:35-14:40:	Special Address, Ms. Marit Marie Strand, Counsellor, RNE- New Delhi,		
14:40-14:45:	Introduction to India-Norway collaboration on Co-processing in India and Workshop objectives, Dr. Kåre Helge Karstensen, Chief Scientist and Programme Manager, SINTEF, Norway		
	PART-I: Presentations on the Outcomes of the Co-processing Phase II Project, Chaired by Dr. Kåre Helge Karstensen, Chief Scientist, SINTEF, Norway		
14:45-14:55:	GIZ- MOEFCC SEIP Project- Identifying sustainable and cost-efficient solutions for priority waste streams in Delhi and Vapi, Gujarat GIZ/ Mr. Palash Kumar Saha, Senior Adviser, SINTEF/, Norway		
14:55-15:10;	Cost Recovery Models for enhancing utilization of RDF & SCF from MSW, Dr. Gaurav Bhatiani, Director, Energy and Env., RTI International India		
15:10- 15:15:	Results of the Stakeholder consultations for enhancing RDF utilisation in India, Mr. Vinoth Balakumar, Counsellor, CII- GBC		
15:15-15:20:	Regional Outreach Workshops in Bhutan, Mr. Palash Kumar Saha, Senior Adviser, SINTEF, Norway		
15:20-15:35:	Evaluate the potential for using Indian C&D waste fines as Supplementary Cementitious Material (SCM), Dr. Christian J Engelsen, Chief Scientist, SINTEF, Norway		
15:35-15:40:	Role of informal waste sector in recovery and recycling of wastes, Dr. Sadhan K Ghosh, President, ISWMAW, India		
	Part II: How to enhance co-processing in India- Reflections from Cement Industry and Regulatory Authority, Chaired by Mr. Ulhas V Parlikar, Independent Consultant		
15:40- 15:50:	Importance of co-processing in overall sustainability of cement industry and in reaching net zero, Mr. Manoj Rustagi/ Ms Monika Shrivastava, Head- Sustainable Development, JSW Cement		
15:50-16:00:	Visualising beyond carbon neutrality- partnering for Co-processing, Mr. Surjith Reddy, Executive Director and Head- Green Fuel Business, Dalmia Cement		
16:00 – 16:10:	Remarks from the Regulatory Authority, From PCB/ MOEFCC		
16:10- 16:15:	Closing Remarks, Dr. Kåre Helge Karstensen, Chief Scientist, SINTEF, Thanks giving and Group Photo		
	Tea Break		



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TS 9: Day 2–33; Room C204 2.30am – 4.10 pm	Solid Waste Technology, management and Landfill	<u>CLICK TO JOIN</u>
2.30 Introduction	Chair: Prof. Islam M. Rafizul, Kuet, Bangladesh	Co-chair: Prof. Asit Aich, ISWMAW
Hall Manager	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,	
2.35 – 2.45 pm	A219: Adoption of Augmented Intelligence to Foster Effective Waste Management Solutions in the Smart City, Karishma Desai, Shweta Loonkar, Mumbai	
	A220: Impact of COVID-19 on solid waste management practices in Gurugram, India: Lessons learnt and forgotten!, 1Avdesh Bhardawaj, 2Raghav Bhardwaj*, 3Yadvendra Ahlawat and 4Anurag Singh Chaudhary, Delhi, India & Paris, France	
	F168: Pros and Cons of establishing a Sustainable township - a Case Study at New Town, Kolkata, India, *Nilimesh Majumder, 2Sreema Panja, Rajeshwari Roy, Kolkata & Nadia, India	
	A53: Municipal Solid Waste Management and Sustainable Landfills, Yaser Saleem Siddiqui1, Md. Adim, Aligarh, India	
	A109: Determination of Smoldering and Ignition Temperature of MSW and Understanding the Landfill Fire in an Open Dump Site in Khulna Region of Bangladesh, Islam M. Rafizul1, Saptarshi Mondal*2, Salahuddin Setu, Khulna, Bangladesh	
	A226: Status of Solid Waste Management in Municipalities in West Bengal, India through Field Study, Debashree Konar Chowdhury1 , Soumima Chatteraj1 , Azahar Uddin 2 , Subhajit Chakraborty1, , Sudipta Sarkar3, Ipsita Saha4, Asit Aich5, Sadhan Kumar Ghosh, Behampore, Kandi, Kolkata, India	
	F22: Maximizing Capacity Utilization in Waste Management Practices, Ahmedabad, India	
	A17: Waste To Energy In Nigerian Context: Journey So Far And Sustainable Approach, Oluwadare Joshua OYEBODE, Nigeria	
	A30: Development of Solar Cell Enabled Decorative Lamps from Waste Bottles: A New Engineering Approach of 'Waste to Wealth', Chandrima Roy, Kolkata	
	QA & Discussion	
	Chair Summary & Thanks Giving, Group Photo	
	Tea Break	
TS 10: Day 2–34; Room C302 2.30am – 4.10 pm	Climate Change and Environmental Sustainability	<u>CLICK TO JOIN</u>
2.30: Introduction	Chair: Prof. K. Palanivelu, Chennai, Chennai	Co-chair: Mr. Swapan Kumar Roy, QMC & ISWMAW
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,	
2.35 - 2.50 pm	Session Keynote: A205: Net Zero Carbon: CO2 Capture and Utilization from Stationary Sources, K. Palanivelu, , Chennai	
2.50 – 3.00 pm	A107: Addressing Environmental Issues: The Role of Biodegradable Waste Receptacles, Yusuf Khan, Nishant Bhatte, Libin Mathew, Tirth Doshi, Sakshi Pandya, India	



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3.00 – 3.10 pm	A206: Integrated Waste, Water, Energy and Carbon Management as a Game Changer, Anil Kumar Kanchi ¹ , Ravi Pullagura ² , Prof. S.Varadarajan, Singapore & Tirupati, India		
3.10 – 3.20 pm	A114: Ecoden – An Eco-Friendly Desk Organizer, Anushree More, Harshita Kadam, Harsha Prathyani, Aarushi Mittal, Nisha Tatkar, Mumbai		
3.20 – 3.30 pm	A238: From Classroom to Conference – Solid Waste Management Learned, M. Suresh Gopi and P. Brahmaji Rao, Guntur, India		
3.30 – 3.40 pm	A09: Is Protecting The Planet Profitable? - An Indian Perspective, JogithaKanappally, Mihir Herlekar, Biswaraj Ghosh, Kanishka Goraksha, Gayatri Barabde, India		
3.40 – 3.50 pm	A180: Case Study: L'oreal Sustainability Packaging, . Ram Kishen.Y, Mumbai		
3.50-4.10pm	A48: A comparative study of Lithium-ion batteries and Fuel cells for Electric Vehicles and their environmental impact in India., Shobha Nair, Mumbai, India		
4.10-4.20pm	A262: Micro-Watershed Level Blue-Green Infrastructure As Flood Control Solution At Lower Kebena River Watershed , SIMRET AREGA, ALAZAR ASSEFA, Ethiopia.		
4.20-4.25	QA & Discussion		
4.25- 4.30pm	Chair Summary & Thanks Giving, Group Photo		
	Tea Break		
TS 11: Day 2–35; Room C303		Water & Waste Water – Treatment, Technology and Recycling -2	<u>CLICK TO JOIN</u>
2.30am – 4.10 pm			
	Chair: Dr. Kulwant Singh, Delhi	Co-chair: Ms. M Sashikala, AP Pollution Control Board, AP, India	
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,		
2.35 - 2.45 pm	A68: AI technologies, sensors and satellite imagery improving water accounting towards mitigating water crisis, Ashok G. Matani, Jalgaon, India		
2.45 – 2.55 pm	A07: Study of spatial distribution patterns of atmospheric Benzo(a)Pyrene in and around soils of Panvel Municipal Corporation, Namrata Kislay, H V. Kasalkar, N D. Wagh, G Malbhave, Mumbai		
2.55 – 3.05 pm	A146: Assessment of Antibiotic Resistant Bacteria in water and food: An exploratory study, Sutripta Sarkar*, Susmita Saha, Koushik Jana, Bisakha Adak, Sneha Biswas, Kolkata		
3.05 – 3.15 pm	A227: Digital Twin Modeling/Simulation of Water Utilities, Hrishikesh Venkataraman and Purav Shah, Tirupati, India and UK		
3.15 – 3.25 pm	A76: Unravelling Pollutant Breakdown Mechanisms in Constructed Wetlands through Compound-Specific Isotope Analysis- A Review, Akhiladas E K1, Saswati Chakraborty, Guwahati		
3.25 – 3.35 pm	A88: Biological nutrient removal from sewage in anaerobic-aerobic-anoxic sequencing batch reactor (AOA-SRB), Hasan Rameez* [^] and Mohd Imran Siddiqui, Aligarh		
3.35 – 3.45 pm	A91: Sponge Gourd (Luffa cylindrica) as a Sustainable Adsorbent for Mitigating, Akankshya Duari ¹ and Sandhimita Mondal, Kolkata, India		
3.45-3.55pm	A212: Advancing Sustainable Effluent Treatment System Selection: A Comprehensive Evaluation of Technical, Environmental, and Economic Sustainability using AHP Methodology, Dineshkumar M. Sadhan Kumar Ghosh, Prasanta Kumar Dey, P. Venkateswaran, Kolata, Tirupati, India & UK		
3.55-4.05pm	A87: Production and Process development of lipase enzyme that can be used for treatment of dairy effluents, R. B kiran,B. Lokesh Reddy, *N. Ravikumar, *K. Vasavi and **M. Rajasekhar, Tirupati,		



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4.05- 4.15	A156: Comparative study of liquid –liquid extraction and bulk liquid membrane for Cibacron, G. Muthuraman* Rajesh.VK.A.M. Parithy Malan, Chennai		
4.15- 4.25pm	QA, & Discussion		
4.25-4.30	Chair Summary, Thanks Giving and Group Photo		
	Tea Break		
TS 12: Day 2–36; Room C304 2.30am – 4.10 pm		Role of Informal sectors in Waste Management Value Chain	CLICK TO JOIN
2.30pm Introduction	Chair: Mr. Prabhjot Sodhi, Sr. Program Director,Centre for Environmental Education		Co-Chair: Ms Sangeeta Venkatesh, Lead Corp. Communications,Ecoparadigm, Bangalore
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,		
	Session Coordinator: Mrs. Amaraja Kulkarni, Head Environment and Sustainability Division, Policy Advocacy Research Centre, Mumbai, India		
2.35 – 2.40PM	Opening Remarks: Prof. Dr.Sadhan K. Ghosh, President, ISWMAW		
2.40 – 2.55 pm	Session Keynote: Dr. Sameer Unhale, State Joint Director,city government/CEO, smart city / Mission Director, Government of Maharashtra		
2.55- 3.05pm	A229: Bridging the knowledge gap and overview of the work done by PARC through the ongoing interventions , Niketa Sharma ., Admane D., Godambe K., Patankar S., Kulkarni A., Policy Advocacy Research Centre, Mumbai, India		
3.05 - 3.15 pm	A133: State Of Informal Workers in Waste Management System- A Study Of Kathmandu Valley, KC Bijay, Kathmandu, Nepal		
3.15 - 3.25 pm	Health issues of the Informal Sector Individual and the need to handhold them in safety awareness, Dr Latha Ghanashamnani, Rnisarg Foundation, Mumbai, India		
3.25 - 3.35 pm	Schemes from the Central Government and State Government, Ms Megha Phansalkar.[tbc], Mumbai		
3.35 - 3.45 pm	Benefits of uplifting Safai Karmacharis from the business perspective, Mr. Krityanand Kundan, Founder and CEO, Skrapp.co.in,Mumbai		
3.45 - 3.55 pm	Social impact of uplifting the Safai Karmacharis from a Social Stock and ESG perspective, Mr. Aniket Khedkar,IIT Bombay, India		
3.55 - 4.05pm	QA & Discussion		
4.05- 4.15pm	Chair's Summary, Thanks Giving, Group Photo		
	Tea Break		



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SS 21: Day 2–37; Room C402 2.30am – 4.10 pm		Circular Opportunities in Faecal Sludge and Waste		<u>CLICK & JOIN</u>	
2.30 pm: Introduction		Chair: Mr. Valentin Post, Trust of People, FINISH Mondial programme, The Netherland		Co-chair: Dr. K. V. Emmanuel, Trust of People, FINISH Mondial programme, India	
Hall Manager		Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam, ,			
		A243: Circular Opportunities in Faecal Sludge & Waste Management: Moving towards Circular Economy in Sanitation for Indian Agriculture, Valentin Post, The Netherlands			
-		To announce soon			
4.30 – 6.15 pm		2ND Day 4th Session Slot ; 4.30 – 6.15 pm		2ND Day 4th Session Slot ; 4.30 – 6.15 pm	
SS22: Day 2-41Room C202; 4.30 – 6.15 pm		UNCRD special session on IPLA – a SDG Partnership [Cont. from previous Session C: Strategies, actions to promote 3r and circular economy in various waste streams]			<u>CLICK TO JOIN</u>
Hall Managers		Dr.Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana			
		Co-organizer: International Society of Waste Management, Air and Water (ISWMAW)			
Co-Chairs: Choudhury Rudra Charan Mohanty, Environment Programme Officer, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA, Japan. Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water					
Facilitator/ Moderator: Choudhury Rudra Charan Mohanty, Environment Programme Coordinator, UNCRD- DSDG/UN DESA, Japan.					
Rapporteur: Anupam Khajuria, Researcher, United Nations Centre for Regional Development (UNCRD)-DSDG/UN DESA, Japan.					
Part: Session III 4.30 – 4.50 pm		A343: Activated Carbon Production Potential in Municipal Solid Waste, Asit Aich, Vice President, International Society of Waste Management, Air and Water (In person Presence)			
4.50 – 5.10 pm		A343: Circular Economy strategies to promote efficient and sustainable E-waste: Perspectives from Asia Pacific region - by Sunil Herat, GimhanJayasiri and Prasad Kaparaju, Griffith University, Australia (Online Presentation).			
5.10 – 6.00 pm		Open discussion			



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Part: Session III	Closing Remarks	
6.00 – 6.05 pm	Sadhan Kumar Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW), India	
6.00-6.05 pm	Choudhury Rudra Charan Mohanty, Environment Programme Officer, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA, Japan	
	Thanks giving and Group Photo	
SS 23: Day 2 – 42 Room; C203	Waste Management & Circular Economy in Small Island and Asian Pacific Countries	CLICK TO JOIN
4.30 – 6.10 pm		
4.30Introduction	Chair: Ms. Susana, SPREP, Samoa Island – Online	Co-chair: Ms. Patricia, Micronesia, National Government Federated States of Micronesia
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika	
4.35 – 4.47 am	A287: Waste and resource management in remote area, Lake Toba, Indonesia, Miwa Tatsuno, Indonesia and Dr.Premakumara, IJES, Japan	
4.48 – 5.00 am	A293: Drivers and barriers of circular economy adoption in Barbados, Dr. GREENIDGE, Dion, Barbados	
5.00 – 5.12 am	A288: Ms. Susana, SPREP, Samoa Island	
5.13- 5.25 am	A289: Waste management system- Challenges in storing of waste and resource recovery in Micronesia, Ms. Patricia, National Government Federated States of Micronesia	
5.26- 5.38 am	A290: The effectiveness and the costs of subsidizing the reverse logistics for recyclable materials from islands: Preliminary results", P.Manomaivibool, S.Yamsa-ard, and Y.Liu, School of Management, Mae Fah Luang University, Thailand.	
5.38- 5.50 am	A291: Malta [to announce soon]	
5.50- 6.02 am	A292: Maldives Sustainability towards Circular Economy, Dr. HINNA KHALID , Maldives	
6.02- 6.15 am	QA, and Discussion	
	Chair Summary, Thanks Giving, Group Photo	



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SS 24: Day 2 – 43 Room; C204 4.30 to 6.15 pm		Going Global Project - Dissemination Workshop & Competition 1– Presentation of case studies on Adoption of CE in SMEs and decarbonisation	<u>Click to JOIN</u>
4.30 Introduction	Chair: Prof. Prasanta K. Dey, Aston University, UK	Co-chair: Prof. Sadhan K. Ghosh, ISWMAW	
	Coordinator: Dr. Krishna, Aston University, UK & Dr. Ipsita Saha, GNIT & ISWMAW		
Hall Manager	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,		
4.35- 4.45pm	A176: Adopting Circular Manufacturing Changes for Sustainable Outcomes – An Action Research, Sai S. Nudurupati, Venkata M. P. Makena, Raja K. Bollem, Raja P. Pappu, Thorani L. P. Yediballi, Andhra Pradesh, India		
4.45- 4.55pm	A189: Carbon Footprint of Dairy Industry- A Case Study, S. Varadarajan, N. Munilakshmi, M. Rajasekhar, V. Diwakar Reddy, K. Yateeswar Reddy. Tirupati, India		
4.55- 5.05pm	A157: Process Modification Study for the Wastewater Minimization and Promoting Circularity in a FMCG Industry, Rajesh V, Bharath Bhandari, G. Muthuraman, Sadhan Kumar Ghosh. Chennai, India		
4.05- 5.15pm	A212: Advancing Sustainable Effluent Treatment System Selection: A Comprehensive Evaluation of Technical, Environmental, and Economic Sustainability using AHP Methodology. Dineshkumar M, Sadhan Kumar Ghosh, Prasanta Kumar Dey, P. Venkateswaran. Kolkata, India		
4.15- 5.25pm	A177: Unlocking the Potential of MSMEs to Achieve Sustainability through the Adoption of Circular Business Models, Lalitha Nammi, Thorani L. P. Yediballi, SowdaminiThatta, Sai S Nudurupati. Andhra Pradesh, India		
4.25- 5.35pm	A204: Carbon Footprint of Bike Spare Parts Manufacturing Industry, S. Varadarajan, N. Munilakshmi, V. Diwakar Reddy, M. Rajasekhar, Sadhan Kumar Ghosh. Tirupati, India.		
4.35- 5.45pm	A254: Performance improvement of a Poly Ethylene moulding machine by minimizing heat loss, Asoke Kumar Paul1, Subir Ray2, TIU & D V Kapoor, Kolkata		
5.54 – 6.20pm	Chair Summary, Thanks giving & group photo		



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TS 13: Day 2 – 44 Room; C302 4.30 to 6.15 pm		Waste Utilisation and Circularity-2	CLICK TO JOIN
4.30pm Introduction	Chair : Dr. Rahul Baidya, IEM, ISWMAW, Kolkata, India	Co-Chair: Dr. T. Sowdamini, GITAM, India	
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,		
4.35- 4.50pm	Session Lead Speech: A359: G20 commitments in ESG, Sustainability & what does it take for developing countries to make progress & deliver on commitments? Venkat Krishnan, Ambassador of sustainability and operation, ITAM Forum, Mumbai		
4.50- 5.00pm	A99: Sustainable Development of X-ray Shielding Tiles using Alumina Industry Waste, Red Mud, Rini Paulose, Varsha Agrawal, Rahul Arya, Gaurav Rajak, Abhijit Bijanu, Shabi ThankarajSalammal, Deepti Mishra and Mohd. Akram Khan, Bhopal, & Ghaziabad, India		
5.00- 5.10pm	A116: Enhanced Sustainable Recycling: Converting Magnesium Silicate Waste into Magnesium Carbonate via CO2 Utilization, S. Kunalan, R. Karunya and Prof. K. Palanivelu, Chennai, India		
5.10- 5.20pm	A137: Utilization of crop straw for waste recycling and production of bio-fertilizer by algae, Tapasi Polley, Naba Kumar Mandal and Sadhan Kumar Ghosh, Burdwan, India		
5.20- 5.30pm	A186: Utilization of Kitchen Chimney Flue gas and Urine waste to Get Valuable Product, sudarolipanneerselvam, India		
5.30- 5.40pm	A92: Green Cleanup: Rice Husk Mediated Biosorption of Amoxicillin, Raima Das and Sandhimita Mondal, Kolkata , India		
5.40- 5.50pm	A95: Alkali Activation Technology for Production of Eco Bricks/Blocks- A Review, Manjunath Sharanappanavar and A. K. Dasarathy, Bengaluru, India		
5.50- 6.00pm	A90: Mitigating Kanamycin Contamination: Bagasse as an Eco-Friendly Adsorbent for Environmental Protection, Anannya Sengupta1 and Sandhimita Mondal1, Kolkata, India		
6.00 – 6.10pm	A153: Carbon Footprint from Hostel of an Educational Institution, B. Navitha, B. Nikitha, N. Munilakshmi, M. Srimurali, Department of Civil Engineering, S.V. University, Tirupati, India		
6.10 – 6.20pm	A154: Carbon Footprint from Pharmaceutical Industry, T. Girish, M. Srimurali, N. Munilakshmi, M. Sasikala, Department of Civil Engineering, S.V. University, Tirupati, India		
6.20 – 6.30pm	A265: Ameliorative effect Moringa oleifera leaves on Aeromonas hydrophila infected fish, Ritu*1, Rahul Kumar2, R.K. Gupta1, Tejpal Dahiya1		
6.30 – 6.40pm	A379: Concluding speech: Sustainable Biomass Value Chain in India, Lt Col Monish Ahuja (Retd), CMD PRESPL, Mumbai		
6.40 – 6.50pm	QA, and Discussion		
	Chair Summary, Thanks Giving, Group Photo		
	Exit		



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SS 25: Day 2 – 45; Room, C303, 4.30 – 6.10 pm IST		Waste Management & Circular Economy in African Countries - 2.
		<u>CLICK TO JOIN</u>
4.30pm Introduction	Chair: Sh. Kamel. Amin, National Research Centre (NRC), Egypt	Co-Chair: Prof. Alhassan Sulemana, Kwame Nkrumah University of Sc. and Tech, Kumasi, Ghana
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,	
4.35- 4.45pm	A43: The use of shredded waste diapers in the manufacture of clay bricks, Sh. K. Amin, and M.F. Abadir, Egypt	
4.45- 4.55pm	A187: Efficiency of solid waste collection systems at a municipality in ghana using data envelopment approach, Claudia Afia Boakye*, Jessica Addai Boadu, Wilson Osei Gyeabour, Alhassan Sulemana, Ghana	
4.55- 5.05pm	A185: Awareness, knowledge, attitude, and practices for sustainable market waste management: a developing country evidence review, Jonas Bing Beogkina*, Alhassan Sulemana, Bernard Fei-Baffoe, Ghana	
4.05- 5.15pm	A122: Improving Solid Waste Management in Tunisia: waste-to-energy is the sustainable way, Aida Ben Hassen Trabelsi, GmarBensidhom, RaouiaChagtmi, Assia Maaoui, Samira Abidi, Fatma Bhiri, Amina Mabrouk ElAsmi, Tunisia	
4.15- 5.25pm	A125: Determination of the characteristic of bio-oil from the pyrolysis of lemon peel waste, Samira Abidi, Aïda Ben HassenTrabelsi, *, NourheneBoudhrioua Mihoubi, Tunisia	
4.25- 5.35pm	A123: Influence of Chemical Pretreatments on the Morphological and Structural Properties of Rosa centifolia fibers, Fatma Bhiri1, Marwa Ben Amara, Assia Maaoui, RaouiaChagtmi, Samira Abidi, GmarBensidhom, Amir Bouallegue, Semia Ellouz-Chaabouni and Aida Ben Hassen Trabelsi, Tunisia	
4.35- 5.45pm	A19: Physicochemical Analysis of Leachate from Municipal Solid Wastes Landfills in Ilorin Metropolis Kwara State Nigeria, 1Ameen Babatunde Abdurrahman x and F. A Adekola, Nigeria	
4.45- 5.55pm	A130: Municipal Solid Waste organic fraction recovery into compost and biochar: trends to circular economy, Waad Bouallegue,, Aida Ben Hassen Trabelsi, Tunisia	
5.55 – 6.15pm	A126: Biochar Production from Tannery Fleshing Waste by Fast & Slow Pyrolysis, R. Chagtmi, A. Maaoui M. Cortazar, G. Lopez, F. Bhiri1, M. Olazar, A. B. Hassen Trabelsi, Tunisia & Spain	
6.15 – 6.25pm	QA, and Discussion	
5.25 – 6.30pm	Chair Summary, Thanks Giving, Group Photo	
	Tea Break	



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SS 26: Day 2 – 46; Room C304		Waste MANAGEMENT and Circular Economy in European Countries- 2	<u>CLICK & JOIN</u>
4.30 – 6.10 pm IST			
4.30pm Introduction	Chair: Mr. Jens Nielson, Director, BOFA, Denmark/Dr. David /Dr. Rikke, Denmark	Co-Chair: Natela Dzebisashvili, Georgia	
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,		
4.35- 4.47pm	A80: A circular future for multilayer food and beverages cartons? A stakeholder perspective with lessons from Denmark, Rikke Marie Moalem;1* David Christensen2, Nynne Nørup3 Sadhan Kumar Ghosh, Denmark & India		
4.47- 4.59pm	A120: Resource-Efficient Production of Georgian Economy, Maka Jishkariani, Georgia		
4.59- 5.11pm	A148: Sustainability root cause analysis: utilization of household sewage sludge, Jozsef Kovacs, Hungary		
5.11- 5.23pm	A46: Sorption Properties of Green Carbon Materials for Treatment Wastewater, Elizaveta Tskhakaia1*, Natela Dzebisashvili,, Zurab Samkharadze, L Kvinikadze, D Dughashvili, S K. Ghosh, Georgia		
5.23- 5.35pm	A40: Mitigating Global Plastic Pollution: The Impact of Germany's Pfandsystem on Plastic Waste and Recycling, Fabian Deichelmann 1; Satyendra Kumar Upadhyay, Germany,& India ,		
5.35- 5.47pm	A196: Biological drying an effective and sustainable solution to achieve 80% landfill diversion, Eugen Becker, Germany		
5.47- 5.59pm	A141: Liquid Crystals Recycling from End-of-Life LCDs, A. L. Barrera1, C. Binet1, F. Dubois2, C. Foissac1, P. Supiot1, U. Maschke, France		
5.59- 6.15pm	A272: Strategies Of Dynamic Simulation Of Green Technology Innovation Of Ecofriendly For Nutrient Recycling And Environmental Sustainability, Prof. Hosam E.A.F. BAYOUMI HAMUDA, Hungary		
6.15 – 6.25pm	QA, and Discussion		
6.25- 6.35PM	Chair Summary, Thanks Giving, Group Photo		
	Tea Break		
SS 27: Day 2 – 57; Room; C402		Waste Management and Circular Economy in Russia, Belarus, Hungary and Kazakhstan	<u>CLICK & JOIN</u>
4.30 – 6.10 pm IST			
	Chair: Vladimir Maryev , Federal Institute, Ecological Industrial Policy Centre, Russia,	Co-Chair:	
Hall Manager	Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam, ,		
	A249: Involving secondary resources into the road construction projects. Circular economy in the Russian Federation in practice, Maryev Vladimir, Deputy Head of the Department of FAU		



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	"ROSDORNII", Moscow, Russia ,		
	A251: The role of leadership and teamwork in the development of recycling systems in Russian regions, , Maria Liubarskaia1, Daria Ipatova2, Anna Chernomorets, Russia		
	A345: The role of leadership and teamwork in the development of recycling systems in Russian regions, Maria Liubarskaia, Daria Ipatova et al, Russia .		
	A367: Cases of industrial symbiosis implementation in Russia, Tatiana Smirnova, Russian Federation, Gubkin Russian State University of Oil and Gas (National Research University), Russian Federation		
	A264: Modeling approaches for Municipal Solid Waste prediction, Róbert FEJES1, Róbert KURDI1, Viktor SEBESTYÉN, Hungary		
	A368: Federal Project «Circular Economy»., Russia towards sustainability. Deputy chief of the Department for Circular Economy, Mikhail Nokolskiy. Russian environmental operator, Russian Federation		
SS 28: Day 2 – 51; Room; C202 7.00 – 8.30 pm IST	Waste Management & Circular Economy in USA and neighbouring Countries (Speakers Online)		<u>CLICK TO JOIN</u>
7.00pm Introduction	Chair: Prof. Ronald L. Mersky, Widener University, USA	Co-chair:	
Hall Managers	Dr.Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana		
7.05–7.17 pm	A269: Rats and Garbage – A study of the Impact of Waste Containers and Collection on Urban Rodent Populations, Ronald L. Mersky*, Daniel Kane, Andrew Kane, Natalie Worth, Sam Mikesic, Widener University, USA		
7.18–7.30 pm	A268: Influence of Different Process Conditions on the Zn (II) Ions Adsorption Using Peanut Shells as Adsorbent, Cecilia Mazzola*, Gisela Pelozo and Nancy Quaranta, National Technological University, Argentina		
7.31–7.43 pm,	A111: Sustainable Waste Management Moving Toward Circular Economy, Prof. Tapas K. Das, USA		
7.44–7.54 pm	A210: Debris disposal in the aftermath of the Otis hurricane, Dr. Gabriela Munoz-Melendez, Director of Urban and Env. Studies Department, El Colegio de la Frontera Norte, Mexico		
7.54–8.06 pm	A270: Red Ceramic Porous Bricks Made From Pine Sawdust and Clay Mixtures, Juan Pasquini, Gisela Pelozo, Marta Caligaris* and Nancy Quaranta,National Tech University, Argentina		
8.06–8.18 pm	A271: The Impact of Garbage on Florida's Coral Reefs, Anita Zavodska, Barry University, USA		
8.18–8.35 pm	QA & Discussion		
8.35–8.45 pm	Chair Summary, Thanks giving and Group Photo		
	Exit		



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SS 29: Day 2 – 51; Room; C203 7.00 – 8.30 pm IST	Waste Management & Circular Economy in African Countries – 3 (Speakers Online)	CLICK TO JOIN
	Chair: Prof. Michael Koech, Kenyatta University, Kenya	Co-chair: Prof. Lasode, Nigeria
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,	
	A167: Agricultural Waste As A Source Of Energy, Aya Ezz El-Din ¹ , S.T.El-Sheltawy ² , Amr Abdelghany, Egypt	
	A191: Converting Crop Waste to Biogas and Biofertilizer using Anaerobic Co-digestion Process: A Review, David O. Olukanni, Mwigine J. Kamlenga, Ojukwu C. Noble, Nigeria	
	A128: Improvement of biofuels production through co-pyrolysis of spent green tea and waste frying oil, Asma Ben Abdallah, Alberto Veses, Tomás García, María Soledad Callén, José Manuel López, María Victoria Navarro, Daoued Mihoubi , Aida Ben Hassen Trabelsi, Tunisia	
	A37: A sustainable and colourful resource: Extraction and utilisation of natural pigments from agro-food waste, Imana Pal, south Africa	
	F31: Toxicity And Health Risk Assessment Of Total Petroleum Hydrocarbons In Environmental Bio-Indicators: Case Of River Okulu, Niger-Delta, Adaosila Prince Osilaechuu ¹ , PraiseGod Chidozie Emenike ¹ , Ogagaoghene Emmanuel Odokuma ¹ , David Olugbenga Omole ¹	
	A50: Managing poultry waste for a healthy environmental sustainability, Odunze, Wisdom Chibuzor ¹ , Aju, P.C.2 and Eluagu, M. C, Nigeria	
	A126: Biochar production from Tannery fleshing waste by fast and slow pyrolysis, R. Chagtm, A. Maaoui., M. Cortazar , G. Lopez, F.Bhiri ¹ , M. Olazar, A. Ben Hassen Trabelsi, Tunisia & Spain	
	A225: Enriching Kitchen Waste Compost With The Indigenous Plant Velvet Beans (Mucuna pruriens), Bernard Adu Gyan ¹ , Kofi Sekyere Boateng ^{1*} , Alhassan Sulemana ² , Richard Amankwah Kuffour, Ghana	
	A39: Problematic of Plastic waste management in Togo: difficulties and solution approaches, NitaleM'Balikine Krou, Ogouvidé Akpaki, Gnon Baba, TOGO	
	A18: Challenges and mitigation plans for institutional and policy drives towards environmental sustainability in Nigeria, Oluwadare Joshua OYEBODE, Nigeria	
	A263: Characterization, Classification And Quantification Of Runoff, In The Case Of Lower Kebena River Watershed, Addis Ababa, Ethiopia, SIMRET AREGA ^{1,2} , ALAZAR ASSEFA, Ambo university, Ambo, Ethiopia,	



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	QA & Discussion	
	Chair Summay, Thnks giving & Group Photo	
Day 3 -1	3rd Day 1st Session Slot: 9.30 to 11.10 am	
TS 14: Day 3 – 11 Room C204 9.30 to 11.10 am	Innovation and Research	<u>Click & Join</u>
9.30am- Introduction	Chair: Dr. N. Lalitha, GITAM, India	Co-Chair : Dr. Milind Gawai, KJSIM
Hall Managers	Dr.Sutript Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal Shreyans Surana	
9.35 – 9.50am	A75: Screening Of marine microorganism characterization and their antimicrobial activities, E. Sandhya Rani, G.Narasimha, Tirupati	
9.50 – 10.00am	A117: Synthesis and Characterization of Titanium dioxide (TiO ₂) nanoparticles by FESEM, FTIR and XRD Analysis, Suraj Khartode, Shraddha Admane, Pune, India	
10.00 – 10.10am	A77: Isolation And Screening Of Marine Actinomycetes For Production Of Antimicrobial And Antiviral Compounds, E. Sandhya Rani and G. Narasimha, Tirupati	
10.10 – 10.20am	A47: To Study the Influence of Team Dynamics Parameters on Positive Risk Management in IT Project Environments, Rajeev Kamble, Sanjeev Thakur Naina Salve Mumbai	
10.20 – 10.30am	A65: A Soft Computing Approach on Hybridized Fuzzy Rough Set and Artificial Neural Network for Sustainable Millets Milling Practice in Odisha, Mishra, S.K.,Tripathy, S.Tripathy, M. and Acharjya, B, Odisha, India	
10.30 – 10.40am	A106: Lakshavedhi: A Sustainable Option To Wallpaper, Samruddhi Patil, Sahil Badochkar, Ujesh Tare, Rohan Chavan, Nisha Tatkar, Mumbai, India	
10.40 – 10.50am	F164: WasteSorting Robots: Innovations and Impact on Recycling and Environmental Sustainability, Swastika Mandal1 and Arnab Mandal, Kalyani Y KeraLA, India	
10.50 – 11.00am	A89: Isolated Halotolerant Bacterium: A Green Approach to Soil Salinity Remediation, Shubham Baroi 1 and Sandhimita Monda, KOLKATA	
11.00 – 11.10am	F34: Design and Development of Adsorption Cooling System, Pushpa Sujit Patil, India	
11.10-11.15am	QA & Discussion	
11.15-11.20am	Chair Summary, Thanks giving & Group Photo	
	Tea Break	
TS 15: Day 3 – 12 Room C302 9.30 to 11.10 pm	Technical Session – Solid Waste Management - 2	<u>CLICK TO JOIN</u>
9..30Introduction	Chair: Dr. Sudarshan Sirat, KJSIM, Mumbai, India	Co-Chair: Dr. Jitendra, KJSIM, Mumbai, India
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika	



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9.35 – 9.50am	Lead Speech: A136: Activated Carbon Production Potential in Municipal Solid Waste, <i>Aich Asit,,</i> Ghosh Sadhan Kumar. India
9.50 – 10.00am	A10: A Participatory research on ward level activities and implementation - A Case of Ward 61-Ravipuram, Kochi, K. Joseph Jose, Ar. Jobin Jolly, Vishnu V. V., Sanu M., Kochi, India
10.00 – 10.10am	A213: Analysis of the motivational/critical success factors for efficient domestic waste management: A sentiment analysis approach, S.Sirsat, Anuja Ajayprakash Gupta, Mumbai India
10.10 – 10.20am	A70: Impact of policy and governance in maintaining circular economy management and sustainable development, Sumanta Bhattacharya, Bhavneet Kaur Sachdev, Kolkata ,
10.20 – 10.30am	A257: Machine Learning Strategy for Recycling Waste in Smart Cities using Circular Economy, Ipsita Saha, Amit Kundu, Sadhan Kumar Ghosh, Kolkata, India,
10.30 – 10.40am	F23: Role of agricultural waste management in rural development. Qualitative findings from rural Kashmir, IrtifaMukhter* Richa Chowdhary, Delhi, india
10.40 – 10.50am	A102: Machine Learning for Smart Construction and Demolition Waste Management: Predictive Analytics and Decision Support Systems, Swarna Swetha Kolaventi, T.P Tezeswi, Mumbai
10.50 – 11.00am	A253: Exploring applicability of Lean Principles in SWM for Patna Municipal Corporation, Aditya Anand, Jaipur, India,
11.00 – 11.10am	A256: Circular Economy incorporation in the Waste Transportation and Treatment Supply Chain using Machine Learning Approach, Ipsita Saha 1*, Amit Kundu 2, Sadhan Kumar Ghosh 3, Raktim Dasgupta, Shillong & Kolkata, India
11.10-11.15am	QA & DISCUSSION
11.15-11.20am	Chair Summary, Thanks giving and Group Photo

SS 30: Day 3 – 13 Room; C303 9.30 to 11.10 pm		Global Project - Dissemination Workshop & Competition 1– Presentation of case studies on Adoption of CE in SMEs and decarbonisation		<u>CLICK TO JOIN</u>
9.30am- Introduction	Chair: Prof. Sai Sidhakar, GITAM, Vishakhapatnam, GITAM		Co-chair: Dr. Sutripta Sarkar, ISWMAW	
Hall Manager	Prof. Aditi Misha, Dineshkumar M, Vandana Tripathi: Rahul Bisht, Ashmita Samaddar, Harshwardhan Deshpande,			
9.35 – 9.50am	A144: Identification of Sustainable Supply Chain Materials for Carbon Footprint Reduction in an MSME, Parithy Malan K A M, P. Susiraj, G. Muthuraman, Sadhan Kumar Ghosh, Andhra Pradesh, India			
9.50 – 10.00am	A207: Carbon Footprint Measurement and Emission Reduction Strategy in Fruit Pulp Industry of Pilgrim Town, Tirupati, S. Varadarajan, N. Munilakshmi, V. Diwakar Reddy, M. Rajasekhar, Sadhan K Ghosh. Lokesh Reddy.B. Tirupati, India			



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10.00 – 10.10 am	A222: Waste Circular Economy in Fabrication Industry – A Step towards Achievement of Sustainable Development Goals, Sonali Roy Chowdhury, Abhijeet Mukherjee, Sadhan Kumar Ghosh. Kolkata, India		
10.10 – 10.20 am	172: Implementing a Closed-Loop Strategy for Metal Dust Resource Recovery, Dineshkumar M, Sadhan Kumar Ghosh, Prasanta Kumar Dey, Subir Ray. Kolkata, India		
10.20 – 10.30 am	A208: Carbon Footprint of Educational Institution in Tirupati, S. Varadarajan, N. Munilakshmi, V. Diwakar Reddy, M. Rajasekhar, Sadhan K Ghosh. Tirupati, India		
10.30 – 10.40 am	A176: Adopting Circular Manufacturing Changes for Sustainable Outcomes – An Action Research Sai S. Nudurupati, Venkata M. P. Makena, Raja K. Bollem, Raja P. Pappu, Thorani L. P. Yediballi. Vishakhapatnam, India		
10.40 – 10.50 am	QA, Discussion		
10.50 – 11.20 am	Chair Summary, Thanks Giving & Group Photo		
11.20-11.25am	Tea Break		
TS 16: Day 3 – 14 Room; C304		Waste Management, Waste Utilisation and Associated Equipment	<u>Click & Join</u>
9.30 to 11.10 pm			
9.30am- Introduction	Chair: Mr Abhijeet Gawde, Tech Head, Godrej C&D, Mumbai		Co-chair:
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,		
9.35 – 9.50 am	Session Keynote: Construct and Demolition Waste Recycling and Management, Mr Abhijeet Gawde, Tech Head, Godrej C&D, CCD		
	A361: International Trade and Sustainability, Dr. Badri Narayanan, Former Neeti Aayog, Mumbai		
9.50 – 10.00 am	A118: Efficient Waste to Energy in Cement Plants: DEM Simulation Driven Transfer Chute Design, Kapil Kukreja1, 2*, Manoj Kumar Soni2, D K Panda1, Bharat Bhushan, Haryana, India		
10.00 – 10.10 am	A119: Shredded Waste Rubber Tires: A Promising Replacement of Conventional Fuel in Cement Plant- Case Study, Ankur Mittal1, D K Panda2, L P Singh, Ballabgarh, India		
10.10 – 10.20 am	A108: Feasibility of Co-processing Large Volume of Hazardous Liquid Waste from Pharmaceutical Sector- Success Case from India, N. S. Rao, Pankaj Kumar, Palash Kumar Saha, Vinoth Balakumar and Kåre Helge Karstensen, Hyderabad & Norway		
10.20 – 10.30 am	A237: Microbiology Development and Biomedical Waste Management Practices at Nair Hospital: A Comprehensive Overview, M. Suresh Gopi and P. Brahmaji Rao, Guntur, India		
10.30 – 10.40 am	A239: Solid waste management Kalyan Municipality at Mumbai, M. Suresh Gopi and P. Brahmaji Rao, Guntur, India		
10.40 – 10.50 am	F73: Study on Faecal sludge treatment process plants adopted by Indian states and process economics, Abhay Kumar, K Samal*, R R Sahoo*, Avinash Kumar Yadav, Durgapore, India		
10.50 – 11.00 am	A100: Waste Management in Nepal: Characterization and Challenges to Promote a Circular Economy, Sampad Shrestha, Nepal		
11.00 – 11.10 am	A246: Biomass Utilization for Cement Manufacturing, Rahul Baidya, Sadhan Kumar Ghosh, Kolkata, India		
11.10-11.15 am	A103: Waste Sorting and Electronic Robots: Pioneering the Path to Sustainable E-waste Management, Swastika Mandal1 and Arnab Mandal, Kolkata, India		
11.15-11.20am	A79: Green Synthesis, Characterization, and Biological Activities of Silver Nanoparticles from Seed Extract of Butea Monosperma, S. Nowshath1, E. Sandhya Rani2, C. Anuradha1, G. Narasimha, Tirupati, India		



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	QA & Discussion	
11.20-11.25am	Chair Summar, Thanks Giving & Group Photo	
TS 17: Day 3 – 15 Room, C402 9.30-11.10 am	Water, Waste Water- Management, Treatment & Circularity - 3	Click to Join
9.30am- Introduction	Chair: Dr. YLP Thorani, GITAM	Co-chair: Dr. P. Venkat, SCPL
Hall Manager	Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam, ,	
9.35 – 9.50am	A155: Removal Of Basic Dye from Aqueous Solution Using Eggshell An Inorganic Adsorbent, S. Jagan Mohan Reddy 1, L. Partha Praveen 2, N. Munilakshmi, Tirupati	
9.50 – 10.00am	A160: Removal Of Colour from Dye Contaminated Soil by Electrokinetic Remediation, V. P. Poornima 1, J. Karthikeyan, Tirupati ,	
10.00 – 10.10am	A163: Green synthesis of Zinc Oxide nanoparticles and its adsorptive studies on removal of Congo red dye, Kolluru Sree Manaswini, Y. Bhavani, N. Chitti Babu, Tirupati	
10.10 – 10.20am	A179: Energy Recovery Feasibility of Carrot Processing Waste Water for Environmental Sustainability, Abitha Neethirasu ,Ishwarya Perumalsamy ,Solai Dharani Murugaiah ,Lalith Pankaj Raj Nadimuthu and Kirubakaran Victor, Tamil Nadu, India	
10.20 – 10.30am	A195: Green synthesis of Titanium Dioxide nanoparticles and its adsorptive studies on removal of Crystal Violet dye, Modalavalasa Venkatesh, Kolluru Sree Manaswini , N. Chitti Babu, Visakhapatnam, , India	
10.30 – 10.40am	A157: Process Modification Study for the Wastewater Minimization and Promoting Circularity in a FMCG Industry,Rajesh V, Bharath Bhandari, G. Muthuraman, Sadhan Kumar Ghosh, Chennai & Kolkata, India	
10.40 – 10.50am	A211: Sustainable treatment technology for the industrial wastewater phytoremediation by rhizobacteria consortium in horizontal subsurface flow constructed wetlands, Sonal Chaturvedi and Satyendra Upadhyay, Mumbai	
10.50 – 11.00am	A60: Comparative study of different coagulant-flocculant in treatment of synthetic wastewater: Application of the strategy in raw textile effluent, Sahana Roy Chowdhury, Konkana Adak, Baisali Rajbansi, Kolkata, India	
11.00 – 11.10am	A145: Decolourization Dye Wastewater Using Inorganic Adsorbents - A Review, S. Jagan Mohan Reddy 1, L. Partha Praveen 2, N. Munilakshmi, Tirupati	
11.10-11.15am	QA & Discussion	
11.15-11.20am	Chair Summar, Thanks Giving & Group Photo	
	Tea Break	



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SS 31: Day 3 – 16 Room C304 9.30 – 11.10 am		Waste Management - 3	<u>Click to Join</u>
9.30am- Introduction	Chair:Dr. (Prof.) Sneha Palnitkar, CEO, AILSG, Mumbai		Co-Chair:Dr. Kulwant Singh, Delhi
Hall Manager	Ms. Padma Gunde, Ms. Sonali Roy Choudhury, Brajesh Bolia, Aashika Jain, Ms., Khushi Kesharwani, V Rajesh,		
9.35 – 9.50am	Lead Speech: A361: International Trade and Sustainability, Dr. Badri Narayanan, Former Neeti Aayog, Mumbai		
9.50 – 10.00am	Lead Speech: A346: Challenges for Cities in Solid Waste Management, Dr. Sudhakar Shinde, Addl. Municipal Commissioner, BrihanMumbai Municipal Corporation, Mumbai.		
10.00 – 10.10am	A347: Social Aspects in Solid Waste Management, Dr. (Prof.) Sneha Palnitkar, Chief Executive Officer, Waste Management & Research Centre, All India Institute of Local Self-Government [AILSG], Mumbai		
10.10 – 10.20am	A348: Social Aspects in Solid Waste Management, Mr. Pundalik Awate, Sr. Associate Faculty, AILSG, Former Chief Engineer [SWM], Brihan Mumbai Municipal Corporation, Mumbai		
10.20 – 10.30am	A349: Plastic Waste Management and Waste Recycling Opportunities, Mr. Nandkumar Gurav, Asst. Secretary, Maharashtra Pollution Control Board, Government of Maharashtra, Mumbai		
10.30 – 10.40am	A350: Circular Economy and Solid Waste Management, Dr. Ketna Matkar, Sr. Associate Faculty, AILSG, Mumbai		
10.40 – 10.50am	A351: Upskilling of Waste Segregators, Mr. Tarun Mhaske, Indo-German Programme for Vocational Education and Training Vocational Training and Labour Market Advisor, Mumbai		
10.50 – 11.00am	QA & Discussion		
	Chair Summar, Thanks Giving & Group Photo		
11.00 – 11.10am	Tea Break		
TS 18: Day 3 – 17 Room C402 9.30 – 11.10 am		Business, Community and Informal Sectors - 2	<u>Click to Join</u>
9.30am - Introduction	Chair: Mr. U V Parlikar		Co-Chair:
Hall Manager	Dr. YLP Thorani, Ms. Anjali Chopra, Shivam Rustagi, Ms. Sriparna Das, Kam Patnam,		
9.35 – 9.50am	Session Keynote: A184: Sustainability Consciousness and Collective Responsibility – Analysing the Knowledge, Awareness and Practice towards e-Waste Management Among University Students in India, Austria, South Africa and Russia, M. Khanna, Satyendra K Upadhyay, YLP Thorani, Andreas Zehetner, Srinivasan S. Pillay, Nellie Kozlova, Mumbai, India		
9.50 – 10.00am	A151: Characterization of Recycled Plastic Waste in Recycling Shops of Khulna City Through Waste Analysis Campaign, Jobaer Ahmed Saju1*, Philipp Lorber2, Quazi Hamidul Bari1, Islam M. Rafizul1, et al. Bangladesh & Germany		



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10.00 – 10.10am	A26: Assessing the Garbage Literacy amongst the citizens of Urban Pune, Mukta Latkar-Talwalkar, Priya Bangle, Aditi Lanke, Pune, India	
10.10 – 10.20am	A96: Exploring the factors of Indian values on Food Wastage Avoidance Behaviour: A case study of Indian Buffet Restaurants, Riya Gandotra, Neelika Arora, Jammu, India	
10.20 – 10.30am	A214: Recognizing Sentiments In Regional Language Text From Social Media Using Machine Learning Approach: the way ahead through cross domain applications, Sudarshan Sirsat, Nitish Zulpe, Mumbai	
10.30 – 10.40am	Waste As Resource by changing Stakeholders Approach, Amaraja Kulkarni, PARC, Mumbai	
10.40 – 10.50am	A216: Examining Consumer Purchase Intention Among Gen Z to Embrace Sustainable Menstrual Products, Rashmi Jain, Vartika Chaudhary, Vidhya Thakkar, Mumbai	
10.50 – 11.00am	A1: The Mumbai Plastic Recycloth - Community Model of Plastic Waste Management, Rupali Vaidya, Mumbai, India	
11.00 – 11.10am	A221: A Critical Study of the ban on Select Single use Plastics in India: Challenges & Opportunities towards achieving Sustainable Development Goals, Avdesh Bhardawaj ¹ , Raghav Bhardawaj ² , Sushma Bharadwaj ³ , Poonam Bhardwaj ⁴ , Yadvendra Ahlawat ⁵ , Anurag Singh Chaudhary, Delhi & Jaipur, India and France.	
11.10-11.20am	A251: Sustainable packaging solutions – Exploring the antecedents of Brand Image and Customer Loyalty, Sneha Rajput, Padma Singhal, Gangaur Sharma, Gwalior & Mumbai, India	
11.20-11.25am	A261: International Waste Trade: A Condescension of Global Sustainability Efforts, Gokul K, Satyendra Upadhyay, Mumbai	
	Chair Summary, Thanks giving & Group Photo	
	Tea Break	
DAY 3 - 2	Day 3, 2nd Slots of Sessions 11.30 -1.10 pm	
SS 32: Day 3 – 21 ROOM C202 11.30 -1.10 pm	Global Project - Dissemination Workshop & Competition 1– Presentation on Adoption of CE in SMEs and decarbonisation	Click to Join
11.30am Introduction	Chair: Satyendra Upadhyay, KJSIM	Co-chair: Prof. S. Varadarajan, SVU, Tirupati
Hall Managers	Dr. Sutripta Sarkar, Aparna Pandey, Manpreet Singh, Sahil Agarwal, Shreyans Surana	
11:35 – 11:45	A54: Reverse Logistics for Fostering Circular Economy - Shilpi Kapur Bakshi, Viraj Joshi, Mumbai, India	
11:45 – 11:55	A135: Circular Economy Strategies for Sustainable Industrial Park: A Path to Resource Efficiency - P. Venkateswaran, Satish Kamat, Sadhan K Ghosh, Andhra Pradesh, India.	
11:55 – 12:05	A143: Identification of Sustainable Coolant Oil for Waste Minimization in a MSME Industry - Parithy Malan KAM, Prasanna, Loganathan, G. Muthuraman, Sadhan K Ghosh, AP, India	
12:05 – 12:15	A158: Scope 2 Carbon Foot Print Reduction in an MSME Manufacturing Pipe Supports Rajesh V, Vijaya Kumar, P. Venkateswaran, Sadhan Kumar Ghosh, Andhra Pradesh, India	
12:15 – 12:25	A166: Adopting Circular Economy – The Evidence from Trinitech Infrastructure Case Venkata M. P. Makena, Sai S. Nudurupati, Raja K. Bollem, Raja P. Pappu, Thorani L. P. Yediballi, Satyandra N. V. S. Vedavalli, Visakhapatnam, India	
12:25 – 12:35	A192: Carbon Footprint of Mango Pulp Industry, S. Varadarajan, N. Munilakshmi, V. Diwakar Reddy, M. Rajasekhar, Sadhan K Ghosh. Tirupati, India	



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12:35 – 1: 00pm	QA & Discussion	
1.00-1.15 pm	Chair Summary, Thanks giving & Group Photo	
	Lunch Break	
SS 33: Day 3 – 22 Room C203 11.30 am – 1.15 pm	How to Write a quality Research Articles for Publication	<u>CLICK TO JOIN</u>
	Chair: Prof. Misuzu Asari, JSMCWM, Japan	Co-Chair: Prof. P Agamuthu, Sunway University, Malaysia
Hall Manager	Dr. Rahul Baidya, Milind Gawai: Riya Jain, Astik Pandey, Radhika	
11.35 - 11.45 am	A352: The quality of submitted a research article: Prof. Sadhan K Ghosh, Editor -in-Chief, Journal of Solid Waste Technology and Management, India & USA	
11.45 - 12.00pm	A353: Writing an abstract, Materials and Methodologies, of a research article: Prof. Prasanta K. Dey, Editor, Journal of Energy Sector Management, UK	
12.00 - 12.15 pm	A354: Writing the abstract, Describing experimentation, discussion, analysis and conclusion: Prof. P Agamuthu, Former Editor-in-Chief, Waste Management & Research,	
12.15 - 12.35pm	Discussion	
12.35-12.50pm	A355: Writing the literature review and planning the research: Prof. Musizu Asari, Editor, Journal of Materials Cycle and Waste Management, Japan	
12.50 – 1.00pm	QA & Discussion to be conducted by Prof. M Asari and Prof. P Agamuthu, Concluding Remarks	
	Lunch Break	
SS 34: Day 3 – 26 Room; C204; 11.30-1.15 pm	Culture Based Development in the Regions of INDIA	<u>CLICK TO JOIN</u>
11.30 Introduction	Chair: Prof. Dr. Annie Tubadji, Swansea University, UK	
Hall Manager	Dr. Ipsita Saha, Harnesh Makhija: Jairaj Bhansali, Chirag, Makena V M Patrudu, Parithy Malan,	
11.35-11.50am	A369: Session Lead Speech: Prof. Dr. Annie Tubadji - Swansea University - Geographies of Flowers and Geographies of Flower Powe - The cased of India Regions, UK	
11.50-12.05pm	A370: Ms. Yashi Jain - Swansea University - Culture Based Development and Pro-Circular-Economy Behaviour in India	
12.05-12.20pm	A371: Suresh Govindapuram - KREA, India - Culture Based Development and Public Good provision in India - Comparison between spending on Ecology, Health and Education	
12.20-12.35pm	A372: Speaker from University of Sheffield, UK	
12.35-12.55pm	QA & Discussion	
12.55-1.10pm	Chair Summary	



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	Lunch Break	
SS 36: Day 3 – 27 Room C302 11.30 am – 1.15 pm		Clean Water & Sanitation: Treatment Technologies
11.30-11.40am	Chair: Lalit Vashista, CEO, Diva Envitec Pvt Ltd, India	
Hall Manager	Raktim Dasgupta, Sangeetha Rajesh: Madhav Asija, Anushri Bag, Bandi Lokesh Reddy,	
11.40-11.50am	A373: Early adopter and prover of foam fractionation as a sustainable treatment method for PFAS in water, Ms Helena Hinrichsen, Envitech Solutions, Norway, Head of Revolution	
11.50-12.00am	A374: Ultrasound for water treatment HARSONIC is the only sustainable way to prevent bacterial induced iron fouling and scaling in boreholes and water supply systems, Ms Mieke	
12.00-12.10pm	A374: Zwitterionic membranes can handle unprecedented levels of oil and grease without irreversible fouling, recovering full performance, Chris Roy, Zwitter Co, USA	
12.10-12.20pm	A375: Ecas4 Australia, an environmentally and chemical free water disinfection, Rick Legg, General Manager, Australia	
12.20-12.30pm	A376: Sustainable Water treatment technologies, Lalit Vashista, CEO, Diva Envitec Pvt Ltd, India	
12.30-12.40pm	A377: Cleaning Indian Rivers with case studies, Capt DC Sekhar, Alphamers, Bengaluru	
12.40-1.00pm	QA & Discussion	
1.00-1.15pm	Chair Summary & Thanks giving, Group Photo	
	Lunch Break	



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Day 3: 1.12.2023; 2.30–4.30pm

Valedictory, IconSWM-CE Excellence Award Ceremony;

[CLICK TO JOIN](#)

Valedictory program [Click to join] 13th IconSWM-CE & IPLA Global Forum 2023 2.30pm to 5.00pm on December 1, 2023

The Valedictory Program will be presided over by Prof. S K Ghosh, Founder & President, ISWMAW

- 2.30 - 2.40pm Welcome Address: Prof. V N Rajsekharan Pillai, Vice Chancellor, Somaiya Vidyavihar University, Mumbai, India
- 2.40 - 2.50pm Reporting of 13th IconSWM-CE & IPLA GF 2023 by Dr. Raman Ramachandran, Director, KJSIM Mumbai
- 2.50 - 3.00pm Speech by the MPCB MS
- 3.00 - 3.05pm Speech by Prof. Prasanta K Dey, Lead Partner, Going Global Project, Aston University, UK
- 3.05 - 3.10pm Speech by Prof. P. Agamuthu, Sunway University, Malaysia;
- 3.10 - 3.20pm Speech by Representative of British Council, Mumbai
- 3.20 - 3.30pm Speech by Mr. C R C Mohanty, UNCRD, Japan
- 3.30 - 3.35pm Speech by Prof. Raja Pappu, Dean R&D, GITAM, (online)
- 3.35 - 3.40pm Speech by Dr. Chandrakant Saloke, President
- 3.40 - 3.50pm Speech by Dr. Kumara, Director, CCET, IGES, Japan
- 3.50 - 4.10pm Feedback from eight delegates in-person and online
- 4.10 - 4.20pm Announcement of **IconSWM-CE Excellence Awards 2023** for Best Paper Presentation and Awards in Going Global Projects by Prof. Misuzu Asari, JSMCWM, Japan & Prof. Shereen Kamel Amin, National Research Centre, Cairo, Egypt
- 4.20 - 4.45pm Handover of the **IconSWM-CE Excellence Awards 2023** by the President, ISWMAW and the dignitaries
- 4.45 - 4.50 pm Speech by the President, ISWMAW
- 4.50 - 4.55 pm Vote of Thanks by Prof. Satyendra Upadhyay, KJSIM, Mumbai

2ND December: Field Visit from 9.30am to 2 pm to CD Waste Recycling PLANT, Godrej Construction.



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List of Recipients: IconSWM-CE Excellence Award 2023

IconSWM-CE Lifetime Achievement Award 2023 – for Significant Contribution in Environment Protection through Co-processing								Names of Recipient:		1. Dr. Kare Helge Karstensen 2. Mr. Ulhas Vinayak Parlikar			
IconSWM-CE Excellence Award 2023 - for Community Participation of the Cleanest Village for Sustainable Development								Names of Recipient:		Moolamylang Village, Meghalaya, India			
Sl. No.	Name of Company	TSR achieved in 2023	Average TSR of past five years	Quantum of Plastic & RDF co-processed in 2023	Total Quantum of Plastic & RDF co-processed in 5 years	Average TSR achieved over past five years	Quantum of AR co-processed in 2023	Total Quantum of AR co-processed in five years	Quantum of AF co-processed in 2023	Total quantum of AF co-processed in 5 years	Pre-processing facility created	Co-processing facility created	Contribution to the cause of Co-Processing
01	ACC Limited., Wadi						Gold	Gold	Diamond	Diamond			Mr. Y S Rao
02	ACC Limited., Chanda	Platinum			Gold								Mr. Anil Gupta
03	Dalmia Cement Bharat Limited, Belgaon	Diamond		Diamond	Diamond	Platinum					Excellence Award	Excellence Award	Mr. Prabhat Kumar Singh
04	Dalmia Cement Bharat Limited, Kadapa	Diamond		Diamond	Platinum	Platinum							Mr. Mukesh Kumar Sinha
05	Dalmia Cement Bharat Limited, Dalmiapuram	Platinum	Platinum	Platinum	Platinum						Excellence Award		Mr. Vinayagamurthi
06	Dalmia Cement Bharat Limited, Ariyalur	Platinum			Platinum	Platinum							Mr. T. Robert
07	J K Lakshmi Cement Ltd., Durg	Silver											Mr. Mukul Srivastava
08	J K Lakshmi Cement Limited, Sirohi	Gold					Diamond	Platinum	Platinum	Gold			Mr. S. K. Saxena



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Sl. No.	Name of Company	TSR achieved in 2023	Average TSR of past five years	Quantum of Plastic & RDF co-processed in 2023	Total Quantum of Plastic & RDF co-processed in 5 years	Average TSR achieved over past five years	Quantum of AR co-processed in 2023	Total Quantum of AR co-processed in five years	Quantum of AF co-processed in 2023	Total quantum of AF co-processed in 5 years	Pre-processing facility created	Co-processing facility created	Contribution to the cause of Co-Processing
09	Kalburgi Cement Pvt Ltd.					Diamond	Diamond	Diamond	Platinum	Platinum			Mr. Shyam Vaishnav
10	J K Cement Ltd., J K White Cement Works,Gotan	Gold											Mr. Anirudh Dani
11	JSW Cement Ltd. Nandyal	Gold		Gold									Mr. Navneet Chauhan
12	Sree Jayajyoti Cements Pvt. Ltd.											Excellence Award	Mr. Guruvi Reddy
13	Udaipur Cement Works Ltd.						Platinum	Platinum					Mr. Naveen Kumar Sharma
Excellence Award for Processing Municipal Solid Waste (MSW) and making a large quantity of Refuse Derived Fuel (RDF) available in the country for Co-processing				Names of Recipient Organization:			1. Re Sustainability Limited, Hyderabad, 2. GGEPIIL, Surat, 3. Zigma Global Environ Solutions Pvt. Ltd., Erode			4. Antony Lara Enviro Solutions Pvt. Ltd., Mumbai 5. Saurashtra Enviro Projects Pvt. Ltd., Surat			

ERATA: In the soft copies of the Proceedings of the abstracts of 13th IconSWM-CE & IPLA Global Forum 2023, and the program Schedule, unintentionally by mistake in a few places in place of Vidyavihar University is written in place of Somaiya Vidyavihar University. Wherever “Vidyavihar University” appears should be read as, “Somaiya Vidyavihar University”. The inconvenience is deeply regretted.

29th November 2023; Prof. Dr. Sadhan Kumar Ghosh, Chairman, 13th IconSWM-CE & IPLA GF 2023 and President, Founder & ISWMAW,