Schedule of the 15th IconSWM-CE & IPLA Global Forum 2025

School Children's Congress on Waste Management & Circular Economy

Venue: Graphic Era Deemed to be University; 566/6, Bell Road, Society Area, Clement Town, Dehradun, Bharu Wala Grant, Uttarakhand 248002, India
Organisers: International Society of Waste Management, Air and Water (ISWMAW), Graphic Era Deemed to be University, and IPLA
October 28 - November 01, 2025 (Time specified as per Indian Time UTC +5:30)

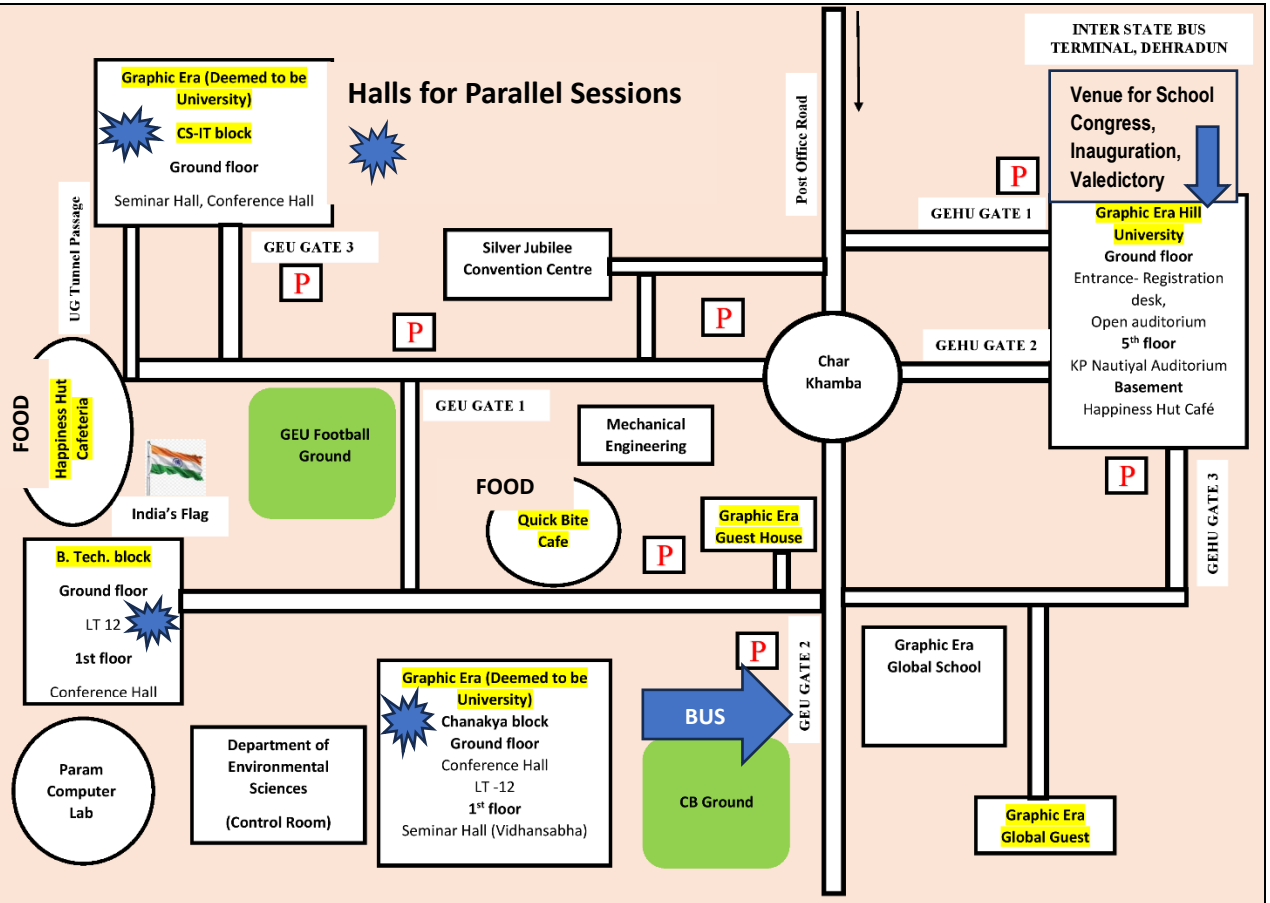
Date	Details
Presentations Duration: Keynote Session: @20 minutes. **Plenary** Session: @14 mins; **Special** Session: @12 mins; **Technical** Session:@10 mins Joining link will be impregnated in the hall No. that will contain in the final schedule. Only IGES, Japan session to be conducted on separate link. **Total 43 Sessions by 39 countries: ONE Keynote Session: THREE Plenary Sessions; NINE Special Sessions: THIRTY Technical Sessions**	
Instructions: join of Using Microsoft Team Link	**Using your Smart Mobile Phone:** 1. Ensure that the **Microsoft Teams app is installed** on your mobile device. 2. If you do not have the app, kindly download it from the **Google Play Store or Apple App Store**. 3. **Sign in** using your Microsoft account. If you don't have one, you can create a **free Microsoft account** within the app. 4. Once logged in, open the **conference link by clicking on the respective Session in Hall** (1–7), or Theme of your presentation (as provided in the conference schedule) to directly access the corresponding Microsoft Teams meeting and **Inaugural and Valedictory Hall**. **Using your Laptop & Desktop:** Ensure that **Microsoft Teams** is accessible on your system — either through the **Teams desktop application** or via a **web browser**. 1. If you do not have the desktop app, you may: a. **Download and install** it from the Microsoft Teams website, or b. **Join directly through your web browser** (preferably **Microsoft Edge** or **Google Chrome**). 2. Sign in using your **Microsoft account**. If you do not have one, you can **create a free Microsoft account** before joining. 3. Once logged in, open the **conference link by clicking on the respective Session in Hall** (1–7), or Theme of your presentation (as provided in the conference schedule) to directly access the corresponding Microsoft Teams meeting and **Inaugural and Valedictory Hall**,
Participating 39 countries	Australia, Cabo Verde Island, Canada, China, Denmark, Ethiopia, Georgia, Germany, Hungary, India, Indonesia, Iran, Iraq, Italy, Japan, Kenya, Kiribati Island, Lesotho, Maldives, Mexico, Micronesia, Nepal, New Zealand, Nigeria, Norway, Oman, Pakistan, Philippines, Russia, South Africa, Spain, Sri Lanka, Tanzania, Thailand, Togo, Türkiye, Uganda, USA, Vietnam. (39 countries)

October 28, 2025 [Guidelines to follow]:

9 am: Vehicles will be available to go to Graphic Era Hill University near Gate no. 2, Graphic Era (Deemed to be University). Reach Gate no. 2.
Arrange models at Graphic Era Hill University Open Auditorium
9 - 10:30 am: Registration: Graphic Era Hill University entrance
9 - 10:30 am: Tea: Graphic Era Hill University Open Auditorium
10.35 – 11.30: Inauguration of School Children's Congress at **KP Nautiyal Auditorium**, Graphic Era Hill University **(5th floor)**
11.30 am – 12.45 pm: Assessment of Models & Competitions: Graphic Era Hill University Open Auditorium
12:45 – 1.30pm: Spot Quiz
1.30 – 2.00pm: Valedictory: Results of competitions, Distribution of certificates at **KP Nautiyal Auditorium, (5th floor)**
2.00 – 3.00 pm: Lunch: Happiness Hut Café, Graphic Era Hill University (Basement)
3:45 pm: Evening tea: Happiness Hut Café,
4:30 pm: Return to Graphic Era (Deemed to be University)
6 pm onwards: International Delegate meeting followed by dinner: Department of Hospitality Management, Graphic Era (Deemed to be University) *
* Only for 25 selected international delegates from ISWMAW and GEU. For other **guests staying in the campus**, dinner will be served at Quick Bite Café, Graphic Era (Deemed to be University)

29/10/2025

8:15 am: Vehicles will be available to go to Graphic Era Hill University near Gate no. 2 of Graphic Era (Deemed to be University). Interested delegates may reach Gate no. 2,
8:30 am onwards: Registration: Graphic Era Hill University Entrance
10 -11:30am: Inaugural function: KP Nautiyal Auditorium [5th Fl.]
11.30 am – 1.00 pm: Four Keynote Speeches
1 pm – 2 pm: Lunch: Happiness Hut Café, Graphic Era Hill University
1:50 pm: Return to Graphic Era (Deemed to be University); Vehicles will be available.



29/10/2025 (Contd.)

8:30 am onwards: Registration: Graphic Era Hill University Entrance
10 am- 11:30 pm: Inaugural function: KP Nautiyal Auditorium, Graphic Era Hill University
11.30 am – 1.00 pm: Four Keynote Speeches
1 pm – 2 pm: Lunch: Happiness Hut Café, Graphic Era Hill University
1:50 pm: Return to Graphic Era (Deemed to be University); Vehicles will be available.
2.00 pm - 3:50 pm: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls:
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

29/10/2025 (Contd.)

3:50- 4:10 pm: Evening tea: Chanakya block: 1st floor; B. Tech. block: Happiness Hut Café, Graphic Era (Deemed to be University); CS- IT block: near Seminar Hall1st floor
4:10 – 5:40: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls:
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

7:45 – 9: 00 pm: Special session for the speakers from USA & neighbouring countries: B. Tech. block: LT 12
8:30 pm onwards: Welcome dinner (Venue will be informed soon)

30/10/2025

9.00 – 10.50 am: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls.
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

10:50- 11:10 am: Tea:
Chanakya block: 1st floor;
B. Tech. block: Happiness Hut Café, Graphic Era (Deemed to be University) ;
CS- IT block: near Seminar Hall (1st floor)
11.10 am – 1.00 pm: Parallel sessions:
1.00 – 2.00 pm: Lunch: Happiness Hut Café, Graphic Era (Deemed to be University)

2.00 – 3.50 pm: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls:
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

3.50- 4:10 pm:
Evening tea: Chanakya block: 1st floor
B. Tech. block: Happiness Hut Café, Graphic Era (Deemed to be University)
CS- IT block: near Seminar Hall 1st floor
4.10 – 5.30 pm: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls:
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

31/10/2025

9.00 – 10.50 am: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls:
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

10.50- 11.10 am:
Tea: Chanakya block: 1st floor
B. Tech. block: Happiness Hut Café, Graphic Era (Deemed to be University)
CS- IT block: near Seminar Hall (1st floor)
11.10 am – 1.00 pm: Parallel sessions in Graphic Era (Deemed to be University) in total seven halls:
a) Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]**
b) B. Tech. block: LT 12, Conference Hall, **[2 halls]**
c) CS- IT block: Seminar Hall, Conference Hall **[2 halls]**

1pm: Gathering for vehicles: **Vehicles will be available to go to Graphic Era Hill University** near Gate no. 2 of Graphic Era (Deemed to be University). Reach Gate no. 2.

1.00– 2.00 pm: Lunch: Happiness Hut Café, Graphic Era Hill University
2: 30 – 4:00 pm: Valedictory function and Award Ceremony KP Nautiyal Auditorium, Graphic Era Hill University
4pm: Tea: Near KP Nautiyal Auditorium, Graphic Era Hill University [5th Floor]
6:15 pm: Return to Graphic Era (Deemed to be University)

********Trial Run using Team link of Hall 1: on 27/10/2025 between 11.30 am to 1.30 pm IST. Please attend trial, if desired. MS Team Links You can join by ➢ clicking the link of respective hall given above OR ➢ can join by clicking the Hall Number for each session. ➢ IGES Japan Special Session will be conducted using their own link in Hall 1 on 30.10.2025 Special Session-8; 14.00 – 15.50 hrs. IST. It is required to register first to get the Zoom link for this session. https://iges-jp.zoom.us/webinar/register/WN_U66hSaS4R6iOHqNsV8b3Hg	**Please note that the time specified in this schedule is as per Indian Standard Time UTC +5:30.** **Kindly check the timing in your country and please join accordingly.** **Important Information:** **Venue: KP Nautiyal Auditorium, Graphic Era Hill University (5th floor) for ,** ▪ 3rd School Children's Congress on Waste Management & Circular Economy on 28.10.2025 ▪ Inauguration of 15th IconSWM-CE & IPLA GF 2025 on 29th October 2025 ▪ Valedictory of 15th IconSWM-CE & IPLA GF 2025 on 31st October 2025 **Venue: Graphic Era (Deemed to be University) in total seven halls.** **a)** Chanakya block: LT 1, Seminar Hall, Conference Hall; **[3 halls]** **b)** B. Tech. block: LT 12, Conference Hall, **[2 halls]** **c)** CS- IT block: Seminar Hall, Conference Hall **[2 halls]** **for,** **all parallel sessions on 29th, 30th and 31st Oct.2025.**

Halls	Inaugural Session, Valedictory Session and Plenary/Special /Technical Session Hall - MS Team Links;
Inaugural Session **Live Streaming**	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDQ0YzE3MmYtZTI3NC00NWE1LTkxODEtZWIzYWFjYzdiNTIw%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22355f6240-0413-43bc-a5a5-73c6df7a03b7%22%7d
Hall No-1; (Conference Hall Chanakya Block) – Gr Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MWQ4YTNmMDctM2VmNC00MmQzLWE4MzktZDQ3MDhiNGEyMDRl%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22aa09d57a-4f0f-4f93-a646-9af01f99f8cb%22%7d
Hall No- 2 (Seminar Hall Chanakya Block) –1st Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MWQ4YTNmMDctM2VmNC00MmQzLWE4MzktZDQ3MDhiNGEyMDRl%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22aa09d57a-4f0f-4f93-a646-9af01f99f8cb%22%7d
Hall No- 3 (LT 12 Chanakya Block) – Ground Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTcwYTFiZWMtMThlNC00ZDM2LTg4MmItNWIzYzVlYzdkMzNh%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22aa09d57a-4f0f-4f93-a646-9af01f99f8cb%22%7d
Hall No-4 (LT-12 B. Tech Block) – Ground Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ODllOTgzODctOGY2OC00YTVkLTkyNjgtYmVjZmE1MGViOGUw%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22f2a19890-a0cf-4655-a0c8-e07543816f13%22%7d
Hall No-5 (Conference Hall B. Tech Block) –1st Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_MmU1NzYzMWMtMzQ3Zi00ZTU3LTk2YzItNzFlMzYyYTcwMzZi%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22f2a19890-a0cf-4655-a0c8-e07543816f13%22%7d
Hall No-6 (Conference Hall CS IT Block) – Ground Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZDNkMzVhNjQtMjkyMS00YjRlLWI0YTEtZmExMjkzOGZjNjFl%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22f2a19890-a0cf-4655-a0c8-e07543816f13%22%7d
Hall No-7 (Seminar Hall CS IT Block) – Ground Floor	https://teams.microsoft.com/l/meetup-join/19%3ameeting_YzljNDMyYTMtNzM4ZS00MDFlLTliNjEtZjE0MmQ2YWNkODMw%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22f2a19890-a0cf-4655-a0c8-e07543816f13%22%7d
Valedictory Session **Live Streaming**	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZjVkOGE5YWQtNTc3MC00ZDYwLTk0YjctODEzNDZiZmY0MDEw%40thread.v2/0?context=%7b%22Tid%22%3a%221490b17d-5dc9-4cbf-aeba-a2e854f521b8%22%2c%22Oid%22%3a%22355f6240-0413-43bc-a5a5-73c6df7a03b7%22%7d

28 October 2025	**3rd School Children's Congress on Waste Management and Circular Economy** **Venue – KP Nautiyal Auditorium (5th Floor), Graphic Era Hill University, Dehradun, Uttarakhand**	
09:00 – 10:00 am	**Registration:** Participants from various schools check in and are formally registered.	
.	This segment ensures logistical organization, identification, and settling of students and accompanying teachers. It also allows orientation regarding competition rules and movement across activities. [A printed instruction sheet has been sent to the school in mail and will be shared at the registration counter] **The teachers and students are requested to install their models before 10.10 am at identified tables specified for respective school.**	
10.15 – 11.00 **Inauguration**	Lighting the lamp ○ Welcome address: Dr. B.S Bisht, President, School Children's Congress on WM & CE (5 mins) ○ Initiation of the event and its continuation: Dr. Bharti Sharma, Assistant Professor Dept. of Humanities and Social Sciences (5 mins) ○ Originating the School Congress by: Mr. S. K. Roy, Vice President, ISWMAW, Former, Dy. Director (Tech), CBWE, Govt of India (5 mins), ○ Inaugural Speech by: Prof. Narpinder Singh, Vice Chancellor, VC, GEU, India (5 mins), ○ Inaugural Speech by: Prof. Amit R. Bhatt, Vice Chancellor, GEHU, India (5 mins) ○ Vote of Thanks by Dr. Suman Naithani (5 mins)	
11.00 - 11.25am	Presentation: "***Student's activities in the mission, Catch Them Young: ZW & CEC***": Dr. Chaitlai Mukherjee, & Ms. Asma Adhikary, Mision Trainers, ISWMAW	
11.30 – 12.45 **Assessment & Preparation by Jury Board Members**	**The ISWMAW & GEU jury board members will assess models by visiting the models, observe the demonstration and presentation by students:** Assessment of the models displayed by the student who already prepared, brought with them and installed on the tables.	**Essay writing, drawing, and model competition for those who have not submitted earlier:** The participants will prepare their **Essay writing, and drawing.** Students participate in thematic competitions that may focus on waste management, circular economy, sustainability, environmental conservation, or climate issues. Objectives: • Encourage environmental literacy and thematic expression • Provide a platform for students to showcase creativity and critical thinking. • Identify innovative ideas from young minds.
12:45 – 1:30 pm **Quiz Competition**	Quiz competition (spot quiz) on waste management: An interactive quiz conducted on the spot focusing on topics like waste segregation, recycling practices, environmental policies, and responsible consumption. Session Coordinator: Dr. Bharti Sharma, Assistant Professor Dept. of Humanities and Social Sciences & Ms. Joselyn BC Toomey, Dept. of Environmental Sciences	
1.30 – 2.00 pm	**Valedictory: Declaration of Results, Prize & Certificate Distribution**	
2.00 – 3.00 pm	**LUNCH**	
	15 IconSWM-CE & IPLA Global Forum 2025	
6.30 to 8.30pm	**Meeting of the international committee on invitation followed by dinner. Venue: To be intimated to the invitees**	

About IconSWM - ISWMAW: Sustainable waste management, sanitation and resources conservation are fundamental goals of the United Nations, articulated in SDG Sustainable waste management, sanitation and resources conservation are fundamental goals of the United Nations, articulated in SDG 2030, which has direct bearing on the quality of life for all, but more especially communities in cities. IconSWM is one of the biggest and popular conference platforms of ISWMAW established in 2009 in India. 15th IconSWM-CE will deliberate on various issues related to policy, innovation and implementation in solid and liquid waste management and will be the official pre-event of Intergovernmental Regional 3R Forum in Asia and the Pacific to be held in 2026 by Govt. of Japan and UNCRD. The Mission '*Catch Them Young: Zero Waste & Circular Economy in Campus*' is another flagship mission of ISWMAW in which nearly 3,80,000 students and teachers from primary, secondary and high schools and colleges in India, Nepal, and Georgia have been practising Circular Economy Concepts since January 2024.

About the Host Organisation: Graphic Era (Deemed to be University):
Graphic Era (Deemed to be) University [GEU], NAAC 'A+' accredited university with 7 NBA accredited programs and is ranked among the Top 100 Universities of India by National Institutional Ranking Framework (NIRF), Ministry of Education with All India Rank 52 in the Engineering Category, All India Rank 59 in Management Category & 52 in the University Category by NIRF 2024. GEU has partnership with TATA Technologies and IBM. It hosts Technology Business Incubator that funds, mentors and nurtures ideas, start-ups and technology-based entrepreneurship.

29.10.2025	**15th IconSWM-CE & IPLA Global Forum 2025**
8.30 – 16.30	**Registration of the delegates at the conference venue**
10.00 – 13.20	**Inauguration, & Award Ceremony, & Keynote Speech, Venue: Auditorium**
10.00 – 11.30	**Inauguration,** Lighting the lamp and Felicitation of the guests Initiator of the Event and Anchor: Dr. Bharti Sharma, Assi. Professor Dept. of Humanities and Social Sciences and Dr. Sutripta, Sarkar, Secretariat member, ISWMAW Welcome address: Prof. Narpinder Singh, Vice Chancellor, VC, GEU, India Welcome address: Prof. Amit R. Bhatt, Vice Chancellor, GEHU, India Speech on the Theme of the conference: Prof. Sadhan K Ghosh, President, ISWMAW, India Speech by the Guest of Honour: Mr C R C Mohanty, Environment Program Coordinator, UNCRD, Japan Speech by the Guest of Honour: Dr Christian John Engelsen, Chief Scientist, SINTEF, Norway, Speech by the Guest of Honour: Prof. K. K. Pant, Director, IIT Roorkee, India Speech by the Guest of Honor Prof. S.P. Singh, Director ATI, Former Vice Chancellor, HNB Garhwal (Central) University, India Special Guest: President, Graphic Era Group of Institutions, Dehradun, India Release of the Conference proceedings and two special issues of the Journal Felicitation of the awardees of IconSWM-CE Excellence Awards and other outstanding experts; Award to the sponsors of the event, and other awards by Graphic Era (Deemed to be University) (**Mr. U V Parlikar will conduct; Mr. S. Paruchuri & Mr. B Ghosh will assist)** **Inaugural Speech by the Chief Guest: Shri Subodh Uniyal, Hon'ble Minister of Forests, Languages & Technical Education, Government of Uttarakhand - Announcement of Carbon Justice Award** Announcement of the host of the 16th IconSWM-CE & IPLA Global Forum 2026: Prof. D. Manjare and Prof. Saroj Sundar Baral, Dept of Chemical Engineering, BITs Pilani GOA,
11.30 – 13.00 **Keynote Session Four Speakers @20 Minutes**	**Chair:** Prof. Narpinder Singh, Vice Chancellor, VC, GEU, India Keynote Speech: Prof. Oladele A. Ogunseitan, University of California, Irvine, USA- ""Planetary Boundaries for WM in the CE – e-waste management within safe operating space." Keynote Speech: Prof. Sadhan K Ghosh, DG, SD. & CE Research Centre, ISWMAW, India – "Inducing Cultural Change in next gen Citizen for Waste Management and CE." Keynote Speech: Dr Kåre Helge Karstensen, Chief Scientist, SINTEF, Norway – "Ocean Plastic Turned into an Opportunity in Circular Economy" (OPTOCE). Keynote Speech: Mr C R C Mohanty, Environment Program Coordinator, UNCRD, Japan Vote of Thanks
Lunch Break 13.00 – 14.00	**Lunch Break: 13.00 – 14.00; Lunch Break: 13.00 – 14.00; Lunch Break: 13.00 – 14.00; Lunch Break: 13.00 – 14.00**
Coordinator	**Dr Asit Aish (8910354375) & Dr. Sutripta Sarkar**
Technical Desk	Mr Dineshkumar M, (6374238506) ISWMAW; Raktim Dasgupta (70440 02697); Nikhil Ranjan Behera, (+91 95480 00733) GEU
Registration desk:	Mr B Ghosh, & Mr S. Paruchuri, ISWMAW, Mr S K Roy, ISWMAW | Photography: Mr. Suprakash Chakraborty (98369 57801) , Mr. Rajarshi Chakraborty, ISWMAW

Hall Management In-charges: Dr. A. Aich, Dr. **S. Sarkar,** ISWMAW XXXXXX, GEU	Dr Sutripta Sarkar (9433430019) Ms. Monica Gangoupadhyay (7048976376)	Dr Rahul Baidiya (9038638642) Mr. Aseem Madhur (8787570859)	Mr Raktim Dasgupta (9874767858); Ms.Aparna (8707472452)	Ms Padma Gunde (9153491536) Ms. Sweta Upadhyay (8318185361)	Ms Sonali Chaudhry (7003541689), Mr. Akashdeep Negi (6396206275)	Ms Chaitali (9163106210) Mr. Anjas Asrani (7018271124)	Mr Ritik Koushik, (6399901312)
Student Volunteers	Ayushi Jaiswal (8107385342)	Tanya Goel;(9289206500) Lakhweer Singh (8449869336)	Shailza (9259479136) Aditya Patel (7002870108)	Chaitanya Chopra (9368482688) Anshika Bahukhandi	Vibhor Chaturvedi (9711963482) Aakriti Kapoor	Mahesh Mehta (7248652275) Tripti (8630622921)	Ayush (8859704074) Rimjhim Mishra (8126060018)

	Ridhima Jain (9456928572)			(8755124854)	(8091590991)		
Technical Assist	Mr. Bipin Bisht (8445694993)	Mr. Harish Prasad (7895645549)	Mr. Ramesh Sharma (9410930097)	Mr. Neeraj Mehta (9837276960)	Mr. Mayank Gupta (7017934204)	Mr. Ajay Dhuliya (8445154900)	Mr. Saurav Dev (7409071343)
29.10.2025	**Session**	**Session**	**Session**	**Session**	**Session**	**Session**	**Session**
	Hall – 1 (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
29.10.2025; Day 1 **14.00 – 15.50**	**Plenary-1** **14.00 – 15.50**	**Technical Session - 1** **14.00 – 15.50**	**Technical Session – 2** **14.00 – 15.50**	**Special Session-1** **14.00 – 15.50**	**Special Session-2** **14.00 – 15.50**	**Plenary-2** **14.00 – 15.50**	**Technical Session-3** **14.00- 15.50**
Session Theme:	Circular Economy & Resource Efficiency	Circular Economy & WM Policies & Legal Instruments	IoT: AI, Machine Learning & Smart Systems for Waste and Environment	Advancing Resource Efficiency: Co-Processing and CDW Management - I	Catch Them Young: Zero Waste & Circular Economy In Campus -1	WtE and circular economy,	Waste Circularity in Russia and neighbouring Countries
Chair/ Co-chair/ Coordinator	**Chair:** Mr. C R C Mohanty, Env. Prog. Coordinator, UNCRD-DSDG/UN DESA, Japan **Co-Chair:** Mr. M Divi Rao, Ex- Director, Divis Laboratory	Chair: Prof. Pradip Kumar Sharma, GEU Co-chair: Dr. Suman Naithani, Dept. of Env Sc, GEU	Chair: Dr. Debasish Ghosh, IIP, Dehradun Co-chair: Dr. Royal Madan, Dept. of M.E GEU	Chair: Mr U V Parlikar Co-Chair: Dr. Kare H Karstensen, Norway Convenor: Mr. P Saha, SINTEF	**Chair::** Mr. Raj Kumar Trehan, Principal, Graphic Era Global School, Dehradun Co-Chair: Dr. Chaitali Mukherjee	Chair: Dr. Vipin Gupta, Deputy Director, MoEFCC; Co-chair: Dr. Sourish Bhattacharya, Principal Scientist, CSIR CSMCRI;	Session Chair: Mr. Vladimir Maryev Co-Chair: Dr. C. L. Venkatrao, ISWMAW **[ONLINE SESSION]**
	Speakers @14 minutes Construction and Demolition Waste Management Dr. Christian, SINTEF, **Norway** **132 mabs** Addressing the Challenges of Medical Waste Management in Healthcare Systems, Dr. Mitali Ghosh Bakshi, **USA** Sustainable Development Goals in Indian Traditional Knowledge, Dr. Rajesh Naithani-, **India** **40 mabs:** Circular Economy in the Latin American Mining Sector. Dr. Gabriela Munoz-Melendez, **Mexico**. **[online]** Prof. Gert Morschek, Rostock University, **Germany (online)** **[online]** **64 mabs:** A Circular Framework for Sustainable	**Speakers @10 minutes** 61 abs: From Waste to Resource: A Case Study on the Functioning of Goa's Saligao Solid Waste Treatment Plant" Mr. Arjun Morajkar, Ms. Sakshi Gawas, **India.** 59 abs: Textile waste category ignored by SWM and textiles sector Mamta, **India.** 8 mabs: Rethinking Waste: India's Leap Towards a Circular Future Anupam Badola, **Nigeria** **14 mabs:** Zero Waste and Circular Economy Integration in Biogas Production: A Pathway to Sustainable Resource Management in India. Hemanth Kumar K. J, Jyothilakshmi R, B. Sadashive Gowda, Sadhan Kumar Ghosh, **India**.	**Speakers @10 minutes** **75abs**, AI-Driven Serenely Bird Species Recognition and Env. Monitoring Framework with Enhanced CNN and Blockchain Architecture H. M. Nimbark, H. P. Jadeja , R. M. Bhatt,**India.** **77abs**, AI-driven workflow for optimizing bioleaching of metals from pretreated waste printed circuit boards Pushpraj Priadarshi, **India** **24mabs**, Green Intelligence through AI. Param Mehta, Seema Sharma, **India.** **45mabs**, Bins to Insights: A Machine Learning Conceptual Framework for Agricultural Waste Management under the Consideration of CE and Sustainability, Garima	**Introduction and Framing Moderator sets context & objectives** From Waste to Resource: Cement and Global Commitments- How the cement industry contributes to treaty objectives on POPs, CFCs, and plastic waste. Dr. Kåre Helge Karstensen, Chief Scientist, SINTEF Policy Recommendations Based on OPTOCE Findings Mr. Palash Kumar Saha, Sr. Adviser, SINTEF JSW Nandyal: High TSR development, High NRPW utilization Mr. Prakash Chandra Luhar, JSW- Nandyal Cement Plant	**Speakers @14 minutes** Inducing students to circular economy concepts in School under the Mission, "Catch Them Young: Zero Waste & Circular economy In Campus": Case Study in Kolkata, West Bengal leading to Zero Waste City, Dr. Chaitali Mukherjee et al., India 1 abs: Comparative Analysis of integrating EPR Communication into K-12 education in Vietnam and India, BUI THI THANH HUONG, Vietnam. **29 mabs:** Innovative Solutions to Campus Waste Management Practices: A Project-Based Approach in High School Rizalie K. Capangpangan, Sadhan Kumar Ghosh, **Philippines.**, . **[ONLINE]**	**Dr. Sourish Bhattacharya,** Principal Scientist, CSIR CSMCRI; Dr. Debashish Ghosh, Principal Scientist, CSIR IIP; Circular Economy and Sustainability: Opportunities, Market, Catalysts, and Systems in Hazardous Waste, Wastewater, E-Waste, and Plastic Waste Management including Recycling, Resource and Energy Recovery, and Disposal, Bharat Oil & Waste Management Ltd. Sustainability, specifically aligned with SDG-17 (Partnerships for the Goals), Ultratech Cement Dr. Seema Sharma, Associate Professor, KSKV Kachchh University	**Speakers @10 min** **79 mabs**: Improving the methodology for assessing the effectiveness of implementing circular economy technologies based on digital cognitive modeling tools - Prof. Zvorykina Julia, & Asso. Prof. Pisareva O.M.., Federal State Budgetary Educational Institution of HE, "State Academic University of Humanities" Closed nuclear fuel cycle - Muratov Oleg - member of the Central Board of the Nuclear Society of Russia, Head of the Dept. of Radiation Technologies at TVELL LLC, Academician of MANEB, Candidate of Technical Sciences.

	Spiritual Festivals: Lessons from the Kumbha Mela, Christmas, and Hindu Pujas. Rikke Marie Moalem (Corresponding Author), Sujayalakshmi Devarayasamudram, Sadhan Kumar Ghosh, Ipsita Saha, Priti Mangesh Bharambe, **Denmark, USA, India**. **(online)** **207mabs**: Level of Contamination of the terrestrial food chain by per- and polyfluoroalkyl substances (PFAS) and related human health risks. Prof Francesco Di Maria, **Italy (online)** **66 mabs:** Implementation of Business Intelligence (BI) in Waste Management Systems in Russia: Challenges and Strategic Opportunities. Maria A. Liubarskaia, Daria A. Ipatova, **Russia** [online]	**15 mabs:** A Review: Sustainable Waste Management as a Foundational Component of Environmentally Responsible Economic Systems. Lakshdeep Jhans, Harpreet Kaur, Anmol, **India**. **19 mabs:** From Closure to Circularity: Understanding and Mitigating Long-Term Environmental Threats from Landfills. Amala Jaison, Indulekha K. P., **India**. **37 mabs:** Critical Review of the Performance of Refractory Materials in Biomass Gasifier. R. Thiyagarajan* (Corresponding Author), P. K. Srividhya, India. **3 mabs:** Analysis of waste recovery practices in Togo: identification of sectors with economic benefits Nitale M'Balikine Krou; Ogouvidé Akpaki; Gnon Baba, **Togo** [ONLINE] **237 mabs**: Women's Strategies in Urban Household Waste Management: A Study of the GSR Community in Ngaliyan, Semarang. Misbah Zulfa Elizabeth. **Indonesia.** [ONLINE]	Jaitly, Shwetank Avikal, **India.** **63mabs**, Sustainable Solid Waste Management at Himalayan Pilgrimage Destinations: Integrating AI Solutions. Vinta Kumari, Nitika Thakur, India **65mabs**. Designing AI-Integrated Curriculum for Smart Agriculture Development. Hoang Thi Minh Hue, Pham Cuong, Tran Thi Lua, Nguyen Trong Dang, Dinh Quang Truong, **Vietnam** **169mabs:** Co-Rethinking Waste Management: A Theoretical Framework and Actionable Propositions for IoT Integration. Rushi Anandan Karichalil, **India**. **160 mabs**: AI-Based Statistical Cost Forecasting Models for Recycling Startups in Emerging Economies. Avishkar B. Walke[1], Shriram N. Kargaonkar[2], **India.**	JSW Shiva: High TSR development, High AR utilization Mr. Amit Runthla, JSW-Shiva Cement Plant Nu Vista (Nuvoco) Cement: High NRPW utilization in last 5 years and high AR utilization Mr. Ravikant Tiwari, Nu Nuvoco Vistas Cement: High TSR development in last 5 years. Mr. Saurabh Kumawat, Nuvoco Vistas- Chittor Cement Plant. Q&A	**68 mabs:** Nurturing and Embedding Zero-Waste and Circular Economy Concepts and Practices in Kenya's Basic Education S. K. Ghosh, Charles N. Kariuki, Edwin A. B. Juma, Peter K. Musymi, Chrispinus Wandera; Caren Amoit, Michael K. Koech, India and Kenya . **[ONLINE]** **153/108 mabs:** Waste Management for Schools through "Adiwiyata Implementation" in Indonesia and Flagship International Mission "Catch Them Young: Zero waste & Circular Economy in Campus", Warmadewanthi, IDAA, Ni Made Utami Dwipayanti, Bimastyaji Surya Ramadan, Nurani Ikhlas, Rulli Pratiwi Setiawan, Sadhan Kumar Ghosh, **Indonesia and India** . **[ONLINE]** 17 mabs: Designing Circularity with Paper. Ms. Khushbu Dublish, India. . **[ONLINE]** Presentation by Chrispinus Wandera; et al, Uganda & Kenya. **[ONLINE]**	Ms. Vandana Sharma; Mr. Naresh Gupta; Ms. Priya Vishwakarma; Mr. Shiraj Mr. Bharat Manglani, Dr Atul Srivastava; Mr. Harshad Manglani .	**80mabs**, From Scarcity to Sustainability: Critical Metals and the Imperative of Recycling Goliney Andrey- Director of the Chemical Technology Cluster of JSC Rosatom Nauka, the managing organization of JSC Giredmet, JSC NIIgrafit, prospects for the extraction of rare earth metals from man-made waste **81 mabs:** Sustainable fashion- Tegina Ekaterina - adviser to the Russian Branch of the United Nations Environment Programme Prospects for creating the Rosatom Group ecosystem for international cooperation in the field of hazardous waste management and the elimination of environmental damage sites- Pluch Lyudmila – CEO, Federal Env. Operator **82 mabs**, Processing of technogenic wastes - Russia's global cooperation - Budina Tatiana- Ph.D. candidate International Institute of Energy Policy and Diplomacy of MGIMO University (MIEP MGIMO) [TBC] **83 mabs**: Legal mechanisms for attracting investment in circular economy projects: russian

							experience and international practice - Pakerman Galina, Moscow State Institute of International Relations (MGIMO), law phd **84 mabs**: Integrating SMRs into Africa's Water, Energy, and Health Nexus - Bernice Karikari, International Institute of Energy Policy and Diplomacy, Moscow State Institute of International (Russia, Ghana) **85 mabs:** Risks of Harming the Environment. Levaeva Lyubov, Post-graduate Student, Moscow State Institute of International Relations (MGIMO University), **Russia.**
Tea/Coffee Break 15.50-16.10	**Tea/Coffee Break 15.50-16.10**	**Tea/Coffee Break 15.50-16.10**	**Tea/Coffee Break 15.50-16.10**	**Tea/Coffee Break 15.50-16.10**	**Tea/Coffee Break 15.50-16.10**	**Tea/Coffee Break 15.50-16.10**	**Tea/Coffee Break 15.50-16.10**
	Hall – 1 (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
29.10.2025; Day 1 16.10 – 17.40	**Technical Session-4 16.10 – 17.40**	**Technical Session-5 16.10 – 17.40**	**Technical Session-6 16.10 – 17.40**	**Special Session-3 16.10 – 17.40**	**Technical Session-7 16.10 – 17.40**	**Technical Session-8 16.10 – 17.40**	**Technical Session -9 16.10 – 17.40**
Session Theme:	Waste valorisation using Mechanical Biological Treatment (MBT)"	Biotech & Microbial Waste Solutions	Wastewater Management & Treatment	Advancing Resource Efficiency: Co-Processing and CDW Management - I	**Sustainability: Cross-Cutting Technology, Economy & Policy**	Waste Management in African Countries -1	CE and Sustainability in Waste and Resource Management & Sustainability, aligned with SDG-17 (Partnerships for the Goals)
Chair/ Co-chair/ Coordinator	Chair: Prof. Prof. Anurag Garg, IIT Bombay, Co-Chair: Prof. Sanjeev Kumar, Dept, of Civil Engg, GEU	Chair: Dr. Durgesh Jaiswal, Dept. of Biotechnology GEU Co-chair: Dr. Arkadeep Mukherjee, Dept. of Biosciences GEU	Chair: Prof. V.B Singh HoD Dept. of Petroleum Engineering GEU Co-chair: Prof. Deepak, Dept. of Physics GEU	Chair: Mr U V Parlikar Co-Chair: Dr. Kare H Karstensen, Norway Convenor: Mr. Palash Saha, SINTEF	Chair: Prof. Naithani, GEU Co-chair: Dr Saurabh Gangola, Dept. of Microbiology GEU	Chair: Dr. Charles N. Kariuki, Catholic University of Eastern Africa, Nairobi, Kenya Co-chair: Mr. Chris Wandera, Kenyatta University, Nairobi, **[ONLINE SESSION]**	Chair: Prof. Sanjeev Kumar, Dept, of Civil Engg, GEU Co-chair: Mr. Dinesh Khatri & Mr. Bharat Manglani

Speakers	**Session Keynote 15 Mins: :** Utilization of Waste/Used Cooking Oil (UCO) into renewable energy sources, Dr. Neeraj Atray, Biofuel Division, CSIR-IIP, Dehradun **Speakers @10 minutes** **120 mabs**: Process Water as a Secondary Resource Stream in Co-Hydrothermal Carbonisation of Sewage Sludge and Kitchen Waste, K. Rathikaa, Bholu Ram Yadava, CSIR, India Prof. Sampat Rao Manjare, Prof. Saroj Sundar Baral, BITs Pilani, Goa, Dr Aman Bhonale, IIT Bombay, India. **36 mabs**: Valorisation of Anaerobic Digestate: Opportunities and Constraints. Harshit Tiwari, Anurag Garg, India. **39 mabs**: Keratinase Activity and Microbial Growth Determination in Isolates Obtained from Partially Degraded Poultry Feathers in Soil of Dehradun Region of Uttarakhand, India, for Sustainable Disposal of Poultry Feather Waste. Arpana Pal, Dr. Keerti Singh* (Corresponding Author), Dr. Kunal Kishor, India. **44 mabs**: Comparative Study on Performance of Bacterio-Algal Fuel Cell with and without Biofilm. Sudipta Ghosh, Snigdha Mandal, Ranjana Chowdhury, India. **229 mabs** Life Cycle Assessment of Bioplastic Reinforced with Sugarcane	**Speakers @10 minutes** **22 mabs:** Wild Cucurbit to Functional Food: Exploring the Nutritional and Therapeutic Promise of *Cucumis callosus*. Kuldeep Kumar Singh, Hradesh Rajput, Sudhir Kumar, **India**. **76 mabs:** Trends, Challenges, and Opportunities in Bioremediation of Oil-Contaminated Soils: A Review of Microbial Technologies' Role in Achieving a Circular Economy. Ahmad Asgharzadeh, Bahman Khoshru (Corresponding Author), Kobra Saghafi, **Iran**. **38 abs:** Closing the Loop with Nature-Based Solutions: Household Kitchen Waste to Soil-Boosting Bioformulations. Khayali Vaidya 1*, Seema B. Sharma 1, **India**. **103 mabs:** Quorum Sensing Modulation of *Pseudomonas aeruginosa* by *Emblica officinalis* Seed Extract. Ankita Sureshbhai Chavda, **India**. **88 mabs:** Phytochemical Profiling and Bioactive Properties of *Rhizophora apiculata* from Marine Mangroves. E. Sandhya Rani, Narasimha Golla*, **India** **163 mabs:** Phytochemical Profiling and Bioactive Properties of *Rhizophora*	**Speakers @10 minutes** **156 mabs**: Innovative Waste Heat Utilization Strategies for Sustainable Refrigeration and Energy Recovery. Rajarshi Chakraborty, Seeniappan Kaliappan, Roseline Velankanni T, Biswajit Banik, Aman Ahamed Mokami, Goutam Roy, **India.** **12 abs:** Turning Wastewater and Organic Waste into Energy. Pratiksha*, **India**. **167 mabs:** Introducing *Salicornia brachiata* to India through Integrated Research on Cultivation, Nutrition, Safety and Consumer Acceptance. Dineshkumar M[1]*, Sadhan Kumar Ghosh[2], Prasanta Kumar Dey[3], Amit Dutta[4], **India** **16 abs:** Comparative Assessment of Algal Species for Wastewater Remediation: A Review of Biological Efficiency and Supporting Quantitative Approaches. Behera, Nikhil Ranjan*, Rachan Karmakar, Pradeep Kumar Sharma, Saurav Sati, **India**. **9mabs**, A Traditional Water Resource "Naula", Status in Almora District, Uttarakhand, India. Dhenesh Raj, Udayan Saha, Kamal Joshi, **India**.	Recent Advances in Recycling C&D Waste in Cement and Concrete Industry. Dr. Christian J. Engelsen, Chief Scientist, SINTEF. High NRPW utilization (Chanda) and High AR Utilization (Marwar Mundwa) Representatives from Geoclean, Adani Cement. Adani- ACC Chanda Cement Plant, Adani Cement: High TSR development (Ambujanagar), Maharashtra Ms Anupama Singh, Geoclean, Adani Cement MP Birla Chanderia: High TSR development and high NRPW utilization in last 5 years Mr. Mohit Tiwari, MP Birla-Chanderia Cement Plant Adani- Ambujanagar Cement Plant (Kiln 1), Gujarat High NRPW utilization (Chanda) TBC, **Q&A** Reflections and Close Moderator summarizes key takeaways.	**Speakers @10 mins.** **51 mabs:** From Access to Trust: Key Drivers of Digital Payment System Usage. Ashish Salvi, **India**. **17 abs:** Sustainable Reverse Logistics for E-Waste and Plastics: A Systematic Review of Supply Chain Models and SDG-Linked Resource Efficiency. Gunsola, Divya*, **India**. **111 mabs:** Sustainable Energy Optimization in a Production Shop through Heat Loss Reduction, Improved Illumination and Improved Machine Orientation. Alivia Mondal[1], Asoke Kumar Paul[2]*, **India**. **114 mabs:** Advancing Circular Economy and Industry 4.0 Practices in Indian Manufacturing: A Systematic Supply Chain Case Study. Ipsita Saha 1*, Amit Kundu 2, Sadhan Kumar Ghosh 3, **India**. **123 mabs:** Driving Positive Change: Entrepreneurship and the Path to Sustainable Development. Padmavathy Dhillon, **India**. **145 mabs:** Challenges in Talent Management in the New Era. Rakesh Prasad Srivastav, **India**. **7 mabs:** Reimagining Carbon: Building a Circular Carbon Economy for a Sustainable Future. Anupam Badola, **India**.	**Speakers @10 minutes** **122 mabs:** Citizen Science for Climate Resilience and Adaptation among Small Scale Farmers in Busia County, Kenya. Chrispinus Wandera, Kenyatta University, **Kenya**. **2 abs:** Waste Governance, Circular Economy and Waste Management Policies in the Nairobi City County Government, Kenya. Amb. Prof. Michael K. Koech (Corresponding Author), Mr. Kaburu J. Munene, Mrs. Mary K. Kinoti, Ms. Magdalene Kagendo, **Kenya**. **99 mabs:** Participatory Maximization of Zero-Waste and Circular Economy in Uganda's Basic Education. Wandera Chrispinus, Shaban Yusuf, Opolot Isaac, **Kenya**. **257 mabs**: Examining the impact of Election-related political unrest on solid waste management in Africa, Prof. Michael Koech, Dr Charles Kariuki, Mr Crispinus Wandera, and Juliana Mwania.Kenyatta University.**Uganda.** **4 mabs:** Plastic Waste Governance and the Circular Economy: A Study of Climate Change Policies in the Global South. Oluwamurewa A. Newo, Anthony M. Oladoyin, Ugochukwu D. Abasilim, **Nigeria**. **5 mabs:** Green Growth and Plastic Waste Management in Lagos, Nigeria. Oluwamurewa Newo, Anthony	Ms. Vandana Sharma; Mr. Naresh Gupta; Ms. Priya Vishwakarma; Mr. Shiraj Dr Atul Srivastava; Mr. Harshad Manglani

	Trash Extracted Cellulose Milind Joshi1, Sampatrao D. Manjare2* **India** **230 mabs** Performance Evaluation of UV-LED Disinfection: Understanding Inactivation Distribution in Water Systems Nupur Salve, Sampatrao D. Manjare, Saroj Sundar Baral* **India** **255 mabs**: Composting: Circularity of Organic Wastes in school – A case study in Kolkata, West Bengal, India. Sadhan Kumar Ghosh1, 2, Chaitali Mukherjee3, Purbali Ray4, **India.**	*apiculate* from Marine Mangroves. E. Sandhya Rani, Narasimha Golla*, **India**. **172mabs:** Sustainable Production of Eicosapentaenoic Acid (EPA) from Marine Microalgae: A Circular Bioeconomy and Waste Valorization Approach Gowthamraj G, R. Balakrishnaraja, **India.** **191mabs:** A Review on the Role of Marigold (Tagetes erecta L.) in Cleaning Polluted Soil and Enhancing Soil Health through Phytoremediation Chanchal Saini, **India.** **183mabs:** Green Synthesis of Iron Nanoparticles from *Prosopis juliflora* Ms. M. Muthu Mani, Ms. E. Gomathi, Dr. P. Balaganesh, Ms. T. Saranya, R. Prem, M. Sakthivel, J. Vasanth Kumar, Dr. C. Nirmala, **India.** **209 mabs:** Biotechnological Innovations in Organic Waste Decomposition (enzymes, microbes),Soniya Singh**. India.**	**125 mabs:** Microplastics Removal from Urban Wastewater Using Microfiltration: Technical Assessment. Rubén Rodríguez-Alegre, Sergi Durán-Videra, David Carmona-Fernández, Laura Pérez Megías, Carlos Andecochea Saiz, Xialei You*, **Spain**. **126 mabs:** Metals Removal from Vehicle Emissions in Runoff Water. David Carmona-Fernández, Sergi Durán-Videra, Rubén Rodríguez-Alegre, Laura Pérez Megías, Carlos Andecochea Saiz, Xialei You, **Spain**. **21 mabs:** Phytoremediation Process for Contaminated Ponds: A Step for Smart City through Traditional Ecological Approach. Jagruti Shah, Khayali Vaidya, Manish Solanki, Seema Sharma, **India**. **178 mabs**, Myco-Membranes: A Green Approach to Wastewater Filtration. Ashwini Modi: Anand Babu. K: **India**.		**202mabs:** Challenges in Talent Management in New Era Rakesh Srivastava, **India.** **205mabs:** Bridging Gaps in Solid Waste Management through Source Segregation and Monitoring: A Case Study of Rajam Municipality, Andhra Pradesh Gunde Padma, Prof. Musini Venkateshwarlu, Paruchuri Saikesh, **India.**	Oladoyin, Augustine Eneanya, **Nigeria**. **147 mabs:** Domestic Solid Waste Management in Areka Town of Wolaita Zone, Ethiopia: Challenges and Suggestions. Selemon Thomas Fakana[a],[b], Yogalakshmi K.N., **Ethiopia**. **12 mabs**, Analysis of Policy and Institutional Arrangements and Compliance on Waste Management: Case of Urban Areas in the Least Developed Countries. Maeti George: **Lesotho**. **231 mabs**: Examining the impact of Election-related political unrest on solid waste management in Africa. Prof. Michael Koech, Dr.Charles Kariuki, Mr.Chrispinus, Wandera,Juliana Mwania. **Africa.** **262 Mabs**: Sustainable Production of Cement Concrete by the Partial Replacement of Coarse Aggregates with Ceramic Wastes Mwigine J. Kamlenga , Thomas I. Chuwa and Jalalya Mabojano, **Tanzania** **52 abs**: Knowledge of Solid waste management protocols in a diverse context in Nigeria. Adaeze Ejike-Alieji, **Nigeria.**	

29.10.2025; Day 1 **19.45 – 21.00**	**Hall – 1** (Conference Hall Chanakya Block)						
	Special Session - 4 **19.45 – 21.00**						
Session Theme:	**Waste Management in USA and Neighbouring countries**	**No session**	**No session**	**No session**	**No session**	**No session**	**No session**
EVENING ONLINE	Chair: Prof. Roland Mersky, USA **[ONLINE SESSION]**						
Speakers	**Speakers @ 12 minutes** **210 mabs**: Construction and Demolition Waste – An overview of Florida, Anita Zavodska, Barry University. **USA.** **211 mabs**: Revealing Building Stock Materials with Industry and Private Data Sources to Inform Material Stock Analysis in Philadelphia, **USA,** Kimberlee Zamora, Construction Management, School of Engineering, Widener University, **USA.** **212 mabs**: Leveraging AI for Material Identification in Unauthorised Dumps for Circular Economy Applications, Adi Mager, Tel Aviv University, Department of Environmental Studies, **Israel**. **213 mabs**: Derelict Buildings, Renewal Strategies, and Demolition Waste: An Evaluation in the Context of Legislation and Practice, Burcu SALGIN, Dilek YILDIZ, Gonca ARIN, Çiğdem Polatoğlu Serter,Erciyes University, TÜRKIYE, İstanbul Technical University, TÜRKIYE, Kayseri Metropolitan Municipality, TÜRKIYE, Yıldız Technical University, TÜRKIYE.**TÜRKIYE.**						

	214 mabs: Policy Approaches to C&D Waste Management: Lessons from Canada and Beyond, Sujeewa Wimalasena Calgary, **Canada**						
30.10.2025	**DAY 2**	**30.10.2025**	**DAY 2**	**30.10.2025**	**DAY 2**	**30.10.2025**	**DAY 2**
9.00 – 10.50	**Hall – 1** (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
	Plenary-3 **9.00 – 10.50**	**Technical Session-10** **9.00 – 10.50**	**Technical Session-11** **9.00 – 10.50**	**Special Session- 5** **9.00 – 10.50**	**Technical Session-12** **9.00 – 10.50**	**Special Session- 6** **Philippines (9.00–10.50 IST)**	
Session Theme:	**Zero Waste City - Best Practice**	**Environmental Monitoring, Risk & Pollution Control**	**Waste-to-Energy, Biofuels & Renewable Energy**	**Waste Management & Circular Economy in Vietnam**	**Innovation: Sustainable Materials & Product Innovation**	**by Tarlac University** **Zero Waste and Circular Economy**	
Chair/ Cochair	Chair: Dr. Asit Aich, Scientist, Ministry of Water Resource, GoI Co-chair: Dr. Sutripta Sarkar, ISWMAW	Chair: Prof. Archana Bachheti, Dept. of Env. Sciences GEU Co-Chair: Dr Deepti Singh Dept. of Env. Sciences GEU	Chair: Prof. Pradeep Kumar Sharma, Dean Of Projects, GEU Co-Chair: Prof. Varij Panwar, IPR Head, ECE, GEU	Chair: Dr. Bui Thi Huong Co-chair: Dr. Nguyen Thit Hu Ha, International School, VNU,	Chair: Dr. Gopal ji, Dept. of Mechanical Engineering, GEU Co- Chair: Dr. Manvandra Kumar, Dept. of Mechanical Engineering, GEU	Chair: Dr.: Ruben Parazo Coordinator: Dr. Catherine DR. Pueyo. **[ONLINE SESSION]**	
Speakers	**@ 14 minutes each** Circularity Through Sludge Management and Utilisation, Prof. Anurag Garg Institute Chair Professor in Sciences and Engg ESED, IIT Bombay, Mr. M Divi Rao, Ex-Director, Divis Laboratory, Systems Thinking and Circular Engineering: Reimagining Resource Flows for a Sustainable Future Prof. Brajesh Dubey, **IIT Kharagpur, India** Dealing with Plastics in USA Prof. Ronald Mersky, Professor Emeritus, Widener University. **USA [online]** Waste Management & Circular Economy in Schools in Small Islands in Asia Pacific. By	**@ 10 minutes each** **62mabs**, A Review on Green Corrosion Inhibitors for Low Carbon Steel in Acidic Media: Mechanistic Insights, Applications, Challenges, and Future Strategies. Ritik Koushik, Arunima Nayak, Manvandra Kumar Singh, Brij Bhushan, Chandresh Rastogi, Priyanka Tyagi, Gopal Ji*, **India**. **5abs**, Influence of Variation of Habitat, Season and Prey on the Distribution and Diversity of Reduviid Predators (*Hemiptera: Reduviidae*) in Southern Western Ghats of Tamil Nadu. M. Muthupandi*, **India**. **63abs**, Nutrient Potential of Sewage Sludge. Asha Elizabeth Vadassery Sebastian, Anand Madhavan*, **India**.	**@ 10 minutes each** **61 mabs:** Electricity Generation from Pure Lactic Acid and Cottage Cheese Whey in a Microbial Fuel Cell Using *Shewanella Putrefaciens* MTCC 8104: Mathematical Modelling and Experimental Studies. S. Mandal, D. Laha, R. Chowdhury*, **India**. **69 mabs:** Biochar Addition for Enhanced Biomethane Production from Food Waste: Process Performance and Techno-Economic Assessment. Rupak Jana, Subhadeep Das, Ranjana Chowdhury (Corresponding Author), **India**. **6 abs:** Life Cycle Assessment of Municipal Solid Waste Gasification	**Speakers @10 minutes** **190mabs:** Assessing the impacts of the scientific research support policy on students' research activities in Thuong Mai University **NGUYEN ANH TUAN, Vietnam.** **259 mabs**: Current status of application of information technology and digital transformation in care and education of children age 0-6 in kindergartens in Vietnam, **Le Thi Luan, Chu Thi Hong Nhung & Nguyen Thi Trang, Vietnam.** **260 mabs:** The role of Humanistic ecological and Biodiversity education towards sustainable development for students in Vietnam, **Mai Van**	**Speakers @10 minutes** **23 mabs:** Valorization of Biomass and Invasive Species for Sustainable Briquette Production: 'A Circular Economy Approach'. Alaknanda J Adur, Samruddhi Nikose, **India**. **25 mabs:** Extract Preparation of Waste Spinach Leaves in Ethanol, Deposition of the Extract on Copper by Drop Casting, and Corrosion Testing of Coated Copper in 3.5% NaCl. Vipra Kamboj, Brij Bhushan, Manvandra Kumar Singh, Arunima Nayak, Vinita, Gopal Ji*, **India**. **26 mabs:** Friction and Wear Responses of Copper Metal Matrix Hybrid Composites Reinforced with Waste Metallic Stainless Steel Chips. Manvandra Kumar Singh*, Gopal Ji, Vineet Kumar, Ashwani Sharma, Uma	**Speakers @10 minutes** **Session Keynote: 170 mabs**: Innovative Sustainability Assessment of Pyrolysis Using Fuzzy Logic and Life Cycle Analysis, József Kovács, University of Obuda, **Hungary.** **159mabs**: Design, Fabrication And Performance Testing Of A Damper For A Modified Tray-Type Dryer Jaynerale A. Enriquez, Donna Fay N. Labrador , Ermalyn DG. Galo, Mary Grace N. Semilla, **Philippines** **175mabs:** Valorization Pathways for Corn Cob (Zea mays) Waste in the Philippines: A Systematic Review of Sustainable Applications and Circular Bioeconomy Prospects Catherine. Pueyo, Bennidict P. Pueyo, Sadhan Kumar Ghosh, **Philippines.**	

	Alice Leney, **New Zealand & Kiribati,** **[online; Recorded]** Ms. Patricia Pedrus, Dy. Asst Secy, WM & PCCUD, Dept of Environment, Climate Change, & Emergency Mngt. National Govt. Federated States of Micronesia **[online]** **43 mabs**: People's Perception on Material Transition is key for Sustainable Waste Management. Deben Baruah, TU, Assam, **India.** **[online]** •	**86mabs**, Iron-Rich Industrial Waste as a Base for Advanced Radiation Shielding Materials. Keerti Meena, Mohammed Akram Khan, Deepti Mishra, Parul Shrivastava, Abhishek Shrivastava, Varsha Agrawal, Shabi Thankaraj Salammal*, **India**. **92mabs**, Landfill Site Suitability Analysis Using GIS: A Case Study of Barabanki City. Nida Fatma, Amina Jafri, Arpit Chouksey, **India**. **101 mabs:** A Study on Agricultural Waste Management and Its Role in Strengthening Marketing Competitiveness of Marginal Farmers in Uttarakhand. Gagan Deep Singh, **India**.	for Sustainable Energy Recovery: A Case Study Approach. Raj, Rahul*, **India**. **11 abs:** Waste-to-Energy Innovation: Converting Municipal Solid Waste into Sustainable Energy in Smart Cities in India. Pratiksha*, **India**. **15 abs:** From Residuals to Resources: A Review of Business Models and Technological Innovations for Waste-to-Energy and Value-Added Byproducts. Sati Saurav*, **India**. **33 abs:** Advantages and Disadvantages in Recent Biological Filtration Systems for Efficient Biogas Upgrading. Joselyn B. C. Toomey*, Rachan Karmakar, Suman Naithani, **India**. **45 abs:** Waste to Energy and Other Value-Added Product. Vanishree R, **India**. **221 mabs**: Energy Potential of Briquettes Produced with Different Biomass and Cow Dung Mixture, Rahul Baidya1*, Sadhan Kumar Ghosh2, **India.** **222 mabs:** Co-processing of Hazardous Industrial Waste in Cement Kiln-Findings from Multiple Experimental Studies, Rahul Baidya1*, Sadhan Kumar Ghosh2, **India.** **261 mabs**: Innovative Microbial Nano-Electrigen Approaches for	**Hung, Vuong Bich Ngoc, Lê Đức Anh.** **20 mabs**: prioritizing plastic waste management strategies in tourism: a fuzzy mcdm approach for national-level sustainable development in Vietnam. **Nguyen Thi Quynh Huong, Vietnam.** **10 mabs:** An Integrated CIPO–Logic Model Framework for Managing Vocational Training in Smart Agriculture-Oriented Education. Hoang Thi Minh Hue, Pham Cuong, Tran Thi Lua, Nguyen Trong Dang, Đinh Quang Truong, **Vietnam**. **77 mabs:** Evaluation of Environmental Education Policy in Vietnam from 2005 to Present. Nguyen Anh Tuan[1], Ngo Quang Son[2], Hoang Thi Minh Hue[3], Tran Van Tuan[1], Do Thi Nhu Quynh[1], **Vietnam**. **28abs**: Do Corporate Social Responsibility and Circular Economy Practices Enhance Sustainable Performance in Tourism and Travel Enterprises? Empirical Evidence from Vietnam, Anh, Nguyen*, **Vietnam.** **1 mabs**: Integrating Fuzzy Analytic Hierarchy Process (FUZZY-AHP) And The Electre Method To Evaluate Factors Influencing Plastic Waste Reduction In Tourism For Sustainable Development In Vietnam. Huong Quynh Thi Nguyen, **Vietnam.**	Shankar, Sujeet Kumar Chaubey, Rajeev Nayan Gupta, Rohit Singh Gautam, Manish Kumar, Sadhan Kumar Ghosh, **India**. **28 mabs:** Development of Baked Cookies Incorporating *Scleroderma* sp.: A Sustainable Approach Linking Nutritional Enhancement and Solid Waste Management. Ayushi Gupta, Sudhir Kumar, Hradesh Rajput, Kuldeep Kumar Singh, **India**. **31 mabs:** Eco-Friendly Green Synthesis of Sulfur-Doped BiOCl/BiOBr Type-II Heterojunction via *Azadirachta indica* for Visible-Light-Driven Photocatalytic Degradation of Imidacloprid. Debasmita Datta (Corresponding Author), Vishal Kumar Parida, Sudha Goel, **India**. **32 mabs:** Vegetable Oil-Based Extraction of Microplastics from Complex Landfill Matrices: A Comparative Evaluation of Castor and Olive Oil. Ayan Lodh (Corresponding Author), Sudha Goel, **India**. **38 mabs:** Circular Economy Inspired Utilization of Tea Waste in Dye Pollution Mitigation. Neeru, S. Singh, **India**. **115 mabs:** Unlocking the Value of Spent Mushroom Compost (SMC): A Circular Economy Approach to Sustainable Agriculture and Bioremediation. A Asgharzadeh, M Shirinzadeh, A A Pourbabaee, H R Z Guildehi, Bahman Khoshru[1]*, **Iran**. **168 mabs:** Manufacturing Rubber Products for Industrial	**251 mabs**: Development and Assessment of a Filtration System Utilizing Bamboo Charcoal for Treating Domestic Greywater Cresta A. Riparip, Fatima P. Gumamac, Ed Daryl F. Onza **Philippines.** **252 mabs**: Design, Fabrication and Performance Evaluation of Remote-Control Operated Corn Seeder Ma. Jennefer S. Caliboso, Elgine C. Najorda. **Philippines.** **253 mabs**: Performance Evaluation of Vertical Dutch Bucket on the Growth and Yield of Cherry Tomato (*Solanum lycopersicum*) Bangcoro, Michelle P.; Agbulig, Jonard A.; Pagatpatan, Chelsie C. **Philippines** **254 mabs**: Evaluation of Agricultural Engineering Innovations at Tarlac Agricultural University Roanne M. Galo, Mary Grace N. Semilla, **Philippines**	

			Sustainable Bioelectricity Production from Wastewater. Utkarsh Jain Sr Asso. Professor SoHST, (UPES), **India**	**41mabs**, Students' Attitudes Toward the Integration of AI in Environmental Education. Nguyen Thanh Trieu* (Corresponding Author), Nguyen Thi Nhu Hue, Thai Phuoc Nghia, **Vietnam**..	Applications Using EPDM Rubber Reinforced with Different Nanomaterials. E K Njim, F T Al-Maliky, N A Alhilo, M S Al-Din Tahir, M A Al-Shammar[4], ALatiyan, Royal Madan[6*], **Iraq**.		
Tea/ Coffee Break	**Tea/ Coffee Break**	**Tea/ Coffee Break**	**Tea/ Coffee Break**	**Tea/ Coffee Break**	**Tea/ Coffee Break**	**Tea/ Coffee Break**	**Tea/ Coffee Break**
30.10.2025; Day 2 **11.10 – 13.00**	**Hall – 1** (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
	Technical Session-13	**Special Session (UNCRD) 7**	**Technical Session -14**	**Technical Session -15**	**Technical Session-16**		
Session Theme:	**Waste-to-energy, biofuels & renewable energy**	**Advancing Science-Policy-Business Interface towards Implementation of the Jaipur Declaration (2025-2035) on 3R & CE for Achieving Resource Efficient, Clean, Resilient Sound Material Cycle & Low-Carbon Society in Asia and the Pacific"**	**Waste Not, Want Not: Scaled Implementation of the CE of Urban Waste, Tourism, Hospitality & CSR**	**Waste management and ethics implications of emergency preparedness. In South African Countries**	**Carbon Justice**		
Chair/ Co-chair	Chair: Dr. Nidhi Chauhan, Professor at UPES Co-Chair: Dr. Arkadeep Mukherjee, Dept. of Biosciences GEU	**Chair:** CRC Mohanty, UNCRD - DSDG/UN DESA, Japan,	**Chair:** Prof. Oladele A. Ogunseitan, University of California, Irvine, USA Co-Chair: Dr. Sutripta Sarkar, ISWMAW	Chair: Dr. Roman Tandlish, Soth Africa Co-chair: Dr. Rakesh Singh, Dept. of Petroleum Engineering GEU **[ONLINE SESSION]**	Chair: Prof S.P. Singh, Chairman, Appropriate Technology India;		
Speakers	**@ 10 minutes each** **Invited Speech: 263 mabs:** Nano-astaxanthin for sustainable crop production and food security in *Macrotyloma uniflorum,* Dr. Nidhi Chauhan, Professor at UPES **134 mabs:** Circularity Through Sludge Management and Utilisation. Anurag Garg, **India** . **157 mabs:** Sustainable Solid Waste Management Practices at an Open Dumping Site in Erode District, Tamil Nadu. Kanmani S[1], Geethamani R[2], Swaswati Roy[3*], **India**. **91 mabs:** Assessment of Physicochemical Changes in	**Facilitator:** Choudhury Rudra Charan Mohanty, Env. Programme Coordinator, UNCRD-DSDG/UN DESA **Opening Remarks** – Mr. Upendra Tripathy, IAS (Retd.), Adjunct Professor, NIAS, Bengaluru, Former Founding DG, International Solar Alliance, Former Secretary MNRE, Government of India (5 min) **Keynote Address** – **256 mabs**: Examining the impact of Election-related political unrest on solid waste management in Africa. Brajesh K Dubey. Professor-Environmental Engineering & Management, Dean - Campus & Community Development, Chairperson -	**@ 10 minutes each** **186mabs:** Circular Economy Paradigm Shift of Electronic Waste. Abhishek Kumar Awasthi. **India.** **187mabs**: Waste Printed Circuit Boards Reutilization Slurry Electrolysis. Mengjun Chen, **China.** **188mabs:** Resource and environmental effects of WEEE recycling in China School of Environment and Architecture, University of Shanghai for Science and Technology, 516 Jungong Road, Shanghai 200093, People's	**@ 10 minutes each** **215 mabs**: Plastic waste and a hazard in fire disaster management in South Africa. Chidinma Iheanetu, Roman Tandlich, Ella Norton and Daniel, Bergset. **South Africa.** **216 mabs**: Repurposed eco bricks as a potential source of fuel to heat households in South Africa, Sibusiso Ngxingo, Roman Tandlich, Georgia Gace, Michal Holubcik, Barnabas Poulson: **South Africa.** .	Dr. Vishal Singh, Ex-officio, Executive Director, Centre For Ecology Development And Research, Dehradun; Prof. S.P. Sati, Registrar, V.C.S.G Uttarakhand University of Horticulture and Forestry, Bharsar, Pauri Garhwal; Dr Gajendra Singh, Scientist, Uttarakhand Space Application Centre, Dehradun;		

	Municipal Solid Organic Waste Composting with Different Bulking Agents. Hema Kandpal, R. K. Srivastava, India. **112 mabs**: Waste to Resource: High Technologies and Nature-Based Solutions. Mariya Hasnat[1]*, Ambrina Sardar Khan[1], Mohd Kashif Khan[1], India. **133 mabs**: Utilization of Waste/Used Cooking Oil (UCO) into Renewable Energy Sources. Neeraj Atray[1]*, Aman Kumar Bhonsle[1], Tushar Agarwal[1], India. **16 abs:** Sustainable Technologies for Biohydrogen Production: A Review Dr. Asha P. Tom, Jayalekshmi S. J., Jetcy Elizabeth Philip, Priya Venugopal, **Canada.** **52 mabs**: Assessment of Thermodynamic Parameters and Reaction Mechanism for Power Plant Cyanobacterium Pyrolysis: Isoconversion Kinetic Analysis. Kaustav Nath, Ranjana Chowdhury, India. **54 mabs**: Integrated Solid Waste Management and Waste-to-Energy Conversion at the Sohar Integrated Waste Treatment Facility, Oman. Manoj Beria, Prashant Singh Kutaula, India. **235 mabs**: Gasification of Seaweed for Sustainable Waste Management. Deepan Jesu. A1, Kasmir Karan Britto V1, Vijayaragavan S1, Lalith Pankaj Raj Nadimuthu2* and Kirubakaran Victor3.	School of Water Resources, Department of Civil Engineering, IIT-Kharagpur 721302, WB, **India** **Background Presentation** (1): *JAIPUR DECLARATION on 3R and Circular Economy - Sustainable 3R and Circular Economy Goals for Achieving Resource Efficient, Clean, Resilient, Sound Material Cycle and Low-Carbon Society in Asia and the Pacific (2025-2035)* - by CRC Mohanty, Environment Programme Coordinator, UNCRD-DSDG/UN DESA (20 mins) **Background Presentation** (2): - *Advancing Science-Policy-Business Interface - Case of Eco-Industrial Parks and Eco Towns in Japan* – by Dr. Michikazu Kojima, Senior Research Fellow on Environmental Issues, Economic Research Institute for ASEAN (ERIA) (10 mins) **12:05 – 12:50 – Panel Discussion (45 mins)** Dr Heinz Schandl, Senior Principal Research Scientist and Circular Economy Lead, CSIRO Environment, Canberra, Australia; Dr. Asit Aich, Scientist, Government of India, Ministry of Water Resources, India; Dr. Michikazu Kojima, Senior Research Fellow on Environmental Issues, Economic Research Institute for ASEAN (ERIA); Dr. Nguyen Trung Thang, Deputy Director General, Institute of Strategy and Policy on Natural Resources and	Republic of ChinaChina DISCUSSION & QA - 14 minutes **152mabs**, Eco-Health and Global Patients: Sustainable Waste Management and Consumer Perceptions in India's Medical Tourism. Swarnika Aggarwal, Anugrah Rohini Lall, Rishabh Singhal, **India**. **13abs**, Assessment of Food Waste Management Practices and Sustainability Initiatives in Luxury Hotels: A Case Study of the Nainital Region, Uttarakhand. Dharmender Rawat, Rakesh Dani, Amanjeet Singh Sethi, Ravish Kukreti, **India**. **6mabs**, A Multi-Criteria Evaluation for Strategic Site Selection for Decentralized Waste Treatment Units in the Joshimath–Badrinath Corridor (Western Himalayan Region). Deepika Dimri, Mayank Singh Bhakuni, **India**. **162 mabs:** Circular Economy in Tourism: A Case Study on Waste Reduction and Water Management in Ecotel Hotels in Emerging Economy. Nirmiti Thakur[1]*, Aditi Lathkar[2], Dr. J.S. Sudarsan[3], **India**. **2 mabs:** Smart Tourism: Leveraging AI for Sustainable Waste Management in Tourist Destinations.	**217 mabs**: Policy analysis of the local planning documents and the evolution of the local planning in South Africa. , Chidinma Iheanetu, Roman Tandlich, Mahas Shah, Brooklyn Williams: **218 mabs**: Animal waste and domestic pet management in emergency and disaster Situations, Maame M. Ansah, Roman Tandlich, Luthando Sikade, Ruan Cannon: **219 mabs**: Waste and fuel management during fire emergencies in South Africa. Siphumze Bani, Roman Tandlich, Eric Stoch and Juliet Chipumuro. **220 mabs**: WASH and waste management: a case study from Port Alfred in South Africa,Ella Norton, Barnabas Poulson, Georgia Gace, Daniel Bergset, Tye Crawford, Roman Tandlich:	Dr Sudhanshu Joshi, Department of Management, Doon University, Dehradun; Dr Rajesh Naithani, Principal Advisor Aurobindo Society and Secretary Appropriate Technology India		

	India. **236 mabs**: Optimizing Rooftop Resources: A Comparative Case Study on Energy and Crop Yields from Agro-PV and Conventional PV Systems at Gandhigram Rural Institute. Vijayakumar G1, Anish Malan2, Sandeep kumar singh3, Lalith Pankaj Raj Nadimuthu 4*, Kirubakaran Victor. **India**	Environment (ISPONRE)/ MONRE, Viet Nam; Prof. Brajesh Dubey, Civil Engineering / Chair Person of School of Water Resources, (IIT), Kharagpur, India Prof. Sadhan K Ghosh, Founder and President, International Society for Waste Management, Air and Water (ISWMAW) and Chairman of 15th IconSWM-CE & IPLA Global Forum 2025; Prof. (Dr) Sandhya Babel, School of Bio-chemical Engineering and Technology, Sirindhorn International Institute of Technology, Thammasat University, Bangkok, Thailand; (tbc) **Wrap up –** CRC Mohanty, Environment Programme Coordinator, UNCRD-DSDG/UN DESA (10 mins) **Closing Remarks**	Biswajit Saha; Dharmpal Singh; Gour Sundar Mitra Thakur, Dept. of CSE, JIS University; Dept. of CSE, JIS University; Dept. of CSE (AIML), Dr. B. C. Roy Engineering College, Durgapur, **India** -CHAIR'S SUMMARY				
Lunch Break 13.00 – 14.00	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**
	30.10.2025; Day 2	**30.10.2025; Day 2**	**30.10.2025; Day 2**	**30.10.2025; Day 2**	**30.10.2025; Day 2**	**30.10.2025; Day 2**	**30.10.2025; Day 2**
30.10.2025; Day 2 **14.00 – 15.50**	**Hall – 1** (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
	Special Session-8 14.00 – 15.50	Special Session-9 14.00 – 15.50	**Technical Session - 17** **14.00 – 15.50**	**Technical Session - 18** **14.00 – 15.50**	**Technical Session - 19** **14.00 – 15.50**		
Session Theme:	**The Circular Economy in South Asia: Regional Progress and the Role of Informal Waste Sector in a Just Transition, IGES, Japan**	**Landfill Management and Circular Economy in Georgia and Neighbouring countries**	**Environmental Monitoring, Risk & Pollution Control**	**Education, Social, and Behavioral Dimensions**	**AI, Machine Learning & Smart Systems for Waste and Environment**		
Chair/ Co-Chairs	*Moderator Prof. Sadhan K. Ghosh, Founder and President, International Society of Waste Management, Air and Water (ISWMAW)*	Chair: Dr. Nugzari Buachidze, GTU, Georgia Co-chair: Dr. Dzebisashvili, GTU, Georgia.	Chair: Dr. M. Vasudevan Bannari Amman Institute of Technology Co-chair: Dr. Saurabh Gangola, Dept. of Microbiology GEU	Dr. Promila Sharma, Dept. of Microbiology GEU Dr. Brijesh Prasad, Dept. of Mechanical Engineering, GEU	Prof. peyush Pant, HoD, Dept. Of Biosciences, GEU Prof. Peyush Pande, Dept. of ECE GEU		

Speakers	Part 1: **150 mabs:** The Circular Economy in South Asia: A Review of Regional and National Progress Welcome Remarks, Dr. Premakumara Jagath Dickella Gamaralalage, *Director, IGES-CCET, **Japan.*** Jaipur Declaration on 3R & CE (2025-2035) - A Regional Policy Framework in Advancing Circular Economy in Asia-Pacific, Mr. *CRC Mohanty, Environment Programme Coordinator, UNCRD-DSDG/UN DESA* **151 mabs:** Ending Open Burning: A Circular Economy Case Study from the Southern Maldives. Gordon Linley Jackson, **Maldives**. 149 mabs: Developing and Implementing Sub-National Level Circular Economy Action Plan, *Dr. Shilpi Bakshi, Senior VP, Env. Management Centre Pvt Ltd* **Part 2: The Role of Informal Workers in a Just Transition** *Moderattor Dr. Shilpi Bakshi, Senior VP, Env. Management Centre Pvt Ltd* **Panel Discussion:** Pathways for Integration *Ms. Bharati Chaturvedi, Director, Chintan Envi. Research and Action Group* *Dr. Ayesha Khan, CEO, Akhter Hameed Khan Foundation, Pakistan* *Ms. Junko Fujioka, Program Assistant, International Env.Technology Centre, Chemicals and Health Branch, Industry and Economy Division, UNEP-IETC*	**@ 10 minutes Each** Khatuna Chikviladze, Ministry of Environment, **Georgia** Dr. Nugzari Buachidze; Head of Dept of Natural Env Pollution and Monitoring and Forecasting of Institute of Hydrometeorology **Georgian** Technical University Dr. Dzebisashvili, GTU, **Georgia** **95 mabs:** Survey of PM – Particle Pollution in Georgian Cities and Their Surrounding Areas. Liana Intskirveli, Aleksandre Surmava, Natia Gigauri, **Georgia**. **58 mabs:** Circular Economy and Waste Management in Georgia: Policy Gaps and Future Prospects. Khatuna Chikviladze 1*, Nugzar Buachidze 2, Guranda Tchelidze 3, **Georgia**. **59 mabs:** Policy and Systemic Approaches to Food Waste Reduction in Georgia. Darejan Dughashvili 1,2*, Natela Dzebisashvili 2, **Georgia**. **70 mabs:** Waste Management and Circular Economy in Georgian Secondary Schools. Natela Dzebisashvili (Corresponding Author), Darejan Dughashvili, **Georgia**. **30 mabs:** Methodological Basis for Waste-to-Energy Projects in Georgia. Maka Jishkariani, **Georgia**.	**@ 10 minutes Each** **55mabs**, Integrated Assessment of Polyethylene Biodegradation by *Galleria mellonella* Larvae: Survival, Physicochemical, and Microbial Insights. Haritha Rajan, Suja P Devipriya, **India**. **75mabs**, Gamma and Neutron Shielding Performances of Red Mud Based Shields. Abhishek Shrivastava, Rahul Arya, Varsha Agrawal, Abhijit Bijanu, Gaurav Rajak, Kasuhik Banerjee, Sujoy Chatterjee, Satya Smiran Nayak, Deepti Mishra, Mohammed Akram Khan, Shabi Thankaraj Salammal (Corresponding Author), **India**. **104mabs**, Estimation of Volatile Organic Compounds at Different Locations of Dumping Sites of Punjab, India. Mahima Sharma[1], Jatinder Kaur Katnoria[2], **India**. **57 mabs:** Valorization of Invasive Weed Biomass for Eco-Friendly Control of *Alternaria alternata*. Nitika Thakur , Gaurav Sharma, Vandna Kumari India.	**Session Keynote: 14 Mins** **173mabs:** MNPs: Emerging Threats to Ecosystem. A. Aich, Sadhan K Ghosh, India. **@ 10 minutes Each** **53 mabs:** Environmental Education in Sustainable Development through Technology-Enhanced Teaching Methods. Nguyen Thi Nhu Hue, Nguyen Thanh Trieu, **Oman**. **27 mabs:** Current Status of Human Resource Training Management at Vocational Colleges in Vietnam Toward the Development of Smart Agriculture. Pham Cuong, Hoang Thi Minh Hue*, **Vietnam**. **179mabs**, Solid Waste Management Knowledge and Practices in Culturally Diverse Communities in Nigeria. Adaeze U.P. Ejike-Alieji[1]*, Chidi T. Nzeadibe[2], Hannah Ukamaka Dennis, Universidade Técnica do Atlântico (UTA), Instituto de Engenharias e Ciências do Mar (ISECMAR) / WASCAL Cabo Verde., **Nigeria**. **& Cabo Verde.,** **181mabs**, Advances in Biodegradable Cushion Materials Using Bio-Binders: A Review. Sivabalan Veerasekaran[1], Pramooth Kumar Sekar[2], Lokeshwaran Karthikeyan[3], Balaganesh Pandiyan[4]*, Muthuselvam	**@ 10 minutes Each** **71mabs**, AI-Driven Forecasting of Energy Generation from Municipal Solid Waste: A Case Study of Mumbai. Pratik Sawant, Shriram N. Kargaonkar (Corresponding Author), **India**. **72mabs**, Statistical Modelling of Wastewater Quality Prediction Using AI and IoT Sensors. Chetan S. Chamkure, Shriram N. Kargaonkar (Corresponding Author), **India**. **73mabs**, Optimizing Personalized Medicine through Integrated Statistical Modelling, AI/ML, and Healthcare Management for Sustainable Precision Health. Manasi S. Jadhav, Shriram N. Kargaonkar (Corresponding Author), **India**. **74mabs**, Statistical Modelling and AI-Driven Framework for Quality Control and Sustainable Waste Management. Swati Ithape, Shriram N. Kargaonkar (Corresponding Author), **India**. **4abs**, Eco-Sense AI Recycle: AI – Powered Smart Waste Segregation. Chugh, Aryaman*, Debroy, Adriyan, **India**. **14abs**, AI/ML-Driven SMS Alert System for Sustainable Employment in Rural India. Vasudha*, **India**. **18abs**, Advances in Liquid Waste Management: Nature-Based Solutions, Smart		

	Ms. Chinmayi MN, Executive Director, Hasiru Dala Ms. Indumathi, *President, Thyajya Shramika Sangha* Audience Engagement: Roundtable Input & Q&A Summary of Key Takeaways Closing Remarks: Dr. Pham Ngoc Bao, *Research Director, IGES* **164 mabs:** Informal Waste Sector and Plastic Pollution: Pathways to a Just Circular Economy in South Asia. Bharati Chaturvedi[1]*, **India, Japan**. **165 mabs:** Informal Waste Sector and Plastic Pollution: Pathways to a Just Circular Economy in South Asia. Lakshitha Paranagamage[1]*, Chettiyappan Visvanathan[2], Premakumara Jagath Dickella Gamaralalage[3], **Japan**.	**249 Mabs:** Determination the water quality classification of the river Kvirila Lali Shavliashvili[1]*, Gulchina Kuchava[1], Ekaterine Shubladze[1], Giorgi Kordzakhia[1], Givi Gavardashvili[2], Zurab Rikadze[3] **93 mabs:** Integrating Waste Legislation and Circular Economy Strategies in Climate Policy: International Lessons and Georgia's Experience. N. Chikhradze, M, Elizbarashvili, N. Dzebisashvili, M. Khachidze, M. Tsintsadze, G. Dvalashvili, Z. Rikadze, **Georgia.**		Athithanagam[5], Vasudevan Mangottiri[6], **India**. **182mabs:** Management in the Block Sadholi Kadeem, District Saharanpur in View of Swachh Bharat Mission. Sufiyan Mirza[1]&[2], Rekha Bagri[3], Ashok Pundir[1], Namra Fatima[4], Wajiha Khan[2], Bheem Pratap[5], **India**. **192 mabs**: Comparative Analysis of progress of Swachh Bharat Mission – Way Forward for Attaining the Sustainable Development Goals in India, Chowdhury S R 1 , Modak Nipu 2 , Ghosh S K 3, **India**. **208 mabs**: The role of indigenous knowledge in combating plastic pollution, Paramita Bhattacharjee, **India.**	Automation, and AI-Driven Decision Support. Chattaraj, Sourav*, **India**. **234 mabs**: Circular Green Waste Management using Solar Powered Electric Vehicle Fleet to Achieve Sustainable Development Goals: A Case Study of Gandhigram Rural Institute. Shiva Kishnu S1, Cholan T 1, Lalith Pankaj Raj Nadimuthu2 and Kirubakaran Victor3. **India.**		
Tea/Coffee Break 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2	**Tea/Coffee Break** 30.10.2025; Day 2
30.10.2025; Day 2 **16.10 – 17.30**	**Hall – 1** (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
	Technical Session - 20	**Technical Session - 21**	**Technical Session - 22**	**Technical Session - 23**			
Session Theme:	**Industrial Waste Management**	**Industry Session - I**	**Sustainable Materials & Product Innovation**	**Environmental Monitoring, Risk & Pollution Control**			
	Chaair: Dr Sunil Kumar Co-Chair: Sourja Ghosh	Chair: Mr Rajiv Bhatnagar, JK Tyre Co-chair: Prof. Rahul Baidya, ISWMAW	Prof. Deepak, Dept. of Physics GEU Dr. Madan Lal, Dept. of Physics GEU	Dr. Ravish Kukreti, Dept. of Hospitality Manag'nt GEU Dr. Swati Singh, Dept. of Environmental Sciences GEU			
	@ 10 minutes Each **223 mabs:** Assessment of Heavy Metal Contamination in Treated Effluent from Electroplating Industries	**@ 10 minutes Each** **193mabs**, Waste management through the "7R" strategy for driving the circular economy in	**@ 10 minutes Each** **49mabs**, A Sustainable Solution for Livestock Nutrition: Pelletized Feed from Food Processing	**@ 10 minutes Each** **100 mabs:** Tourism and Sustainable Waste Management on the Danish Island of Bornholm.			

	Papiya Mandal*, Renu Daulta India **224 mabs**: Industrial Waste to Biohydrogen Production: An Innovative Membrane-Based Approach Monalisha Samanta, Subhrajyoti Ghosh, Ganesh Chandra Sahoo, Sourja Ghosh* India **225 mabs**: Environmental Impacts of Plastic Waste and Pathways to Sustainable Management Sunayana 1*, Kartik Veer 2 India **226 mabs**: Nature-Based Greywater Recycling Using Constructed Wetlands: Potential for Water Circularity in Lucknow Residential Colonies Km Pallavi Singh India **227 mabs**: Evaluating Waste-to-Energy Pathways for Municipal Solid Waste and Sewage Sludge: An LCA Approach to a Sustainable Environment Nitesh Premchand Machhirake1*, Kumar Raja Vanapalli1 India. **228 mabs:** Comparative Evaluation of Electrocoagulation and Biochar Adsorption for Hazardous Landfill Leachate Treatment Abhay Kumar1*, Kunwar D. Yadav1 India	the rubber/tyre industry. Barun Kumar Samui, **India**. **139 mabs:** Circular Economy and Japanese Management System (Learning for Indian Citizens). Dr Narendra Kumar Sharma, **India**. **195mabs**, Waste Management Systems in JK Tyre, Chennai. Annadurai K., **India**. **196mabs:** Circular Economy Pillars at Coca-Cola. Atul Mishra, **India.** **143 mabs**: New certification on Circular Economy. Bhavya Mangla, **India**. **198 mabs**: Zero Waste to Landfill: A Case Study. Prasun Chhaya Mishra, **India**. **137 mabs:** Circular Economy through Retreading Business in JK Tyre/JK Treads. Kodavati V. Krishna Rao, **India**. **138 mabs:** Circular Economy and Solid Waste Management – Practices in OCCL Limited. Yajnasoma Pattanayak, **India**.	Waste. Manish Solanki[1], Seema Sharma[2], **India**. **56mabs**, Improving the Agronomic Suitability of Coir Pith Through Targeted Chemical Treatments for Electrical Conductivity Reduction. Umalakshmi Kalayamkudath Subran, Abesh Reghuvaran, **India**. **60mabs**, Calcium-Oxide-Assisted Thermochemical Conversion of Plastic Waste. Natela Dzebisashvili 1,2*, Grigor Tatishvili 1, Darejan Dughashvili 1,2, **India**. **3abs**, Repurposing Textile Waste into Sustainable Jesmonite Products. Puli, Tanusri*, Kilaru, Vagdevi, Pentela, Anusha, N, Bhanu Prakash, **India**. **20abs**, Maximizing Wheat Straw Utilization: An Integrated, Near-Zero Waste Sequential Biorefining Approach. Kaur, Harmeet*, **India**. **21abs**, A Short Review on Sustainable Pavement Construction Using Geopolymer Concrete and Recycled Aggregates. Sai Krishna, Chelluri*, **India**. **62abs**, Characterization of Treated and Untreated *Areca catechu* Fiber and Walnut Shell Powder as Sustainable Composite Reinforcements. Harish Panjagala1*,	Rikke Marie Moalem, David Christensen, Anine West Selander, Sadhan Kumar Ghosh, **Denmark**. **11 mabs:** Spatial and Environmental Impact Assessment Using GIS: A Case Study of South Delhi Land-Use and Groundwater Quality. Bini Samal, Shyamala Mani, **India**. **33 mabs:** Microplastics in the Environment: A Systematic Review of Sources, Impacts, and Research Priorities. Chirag Acharya[1], Kuldeep Kumar Singh[1], Arun Kumar[2], **India**. **34 mabs:** Invisible E-Waste: Management of Waste E-Cigarettes in Australia. Gimhan Jayasiri[1], Sunil Herat[1], Prasad Kaparaju[1], **Australia**. **35 mabs:** Solid Waste Dynamics and Management Challenges in the Kaudiyala-Tapovan Eco-Tourism Zone along the National Highway-7: Implications for Sustainable Himalayan Tourism. Vidhu Gupta, Anantabha Joshi* (Corresponding Author), Akshay Saini, Ajay Jaguri, Rahul Rawat, Dhruv Gairola, Kaustubh Chamoli, **India**. **42 mabs:** Investigation on the Inhibition Mechanisms of Green Corrosion Inhibitors for Mild Steel in Acid Solutions: A Review Based on Experimental and Computational Analysis.			

			Diwakar Reddy Vanimireddy1, Siva Bhaskara Rao Devireddy2, **India**. **78mabs**, Development of Gum Acacia-Based Thin Films Through Acrylamide Grafting. Rachna Sharma*[1], Rachan Karmakar[2], **India**. **206mabs:** Prospects of Cellulose Extraction from Cotton and Conversion into Biofilm and Hydrogel Vasudevan M, Jaikrishna K, Boomika N, Yazhinisree R, Rashmi NS, **India.**	Vipra Kamboj, Brij Bhushan, Manvandra Kumar Singh, Arunima Nayak, Chandresh Rastogi, Bindu Mangla, Gopal Ji* (Corresponding Author), **India**. **48 mabs:** A Study on the Effects of Storage Conditions on the Performance of Rubber Semi-Manufactured Babylon Tires. Emad Kadum Njim, Naeem Abdulmohsin Alhilo, Adnan Alshukri, Ihsan Obayes Khudhair 4, Neha Tiwari 5,6, Royal Madan 7*, **India.**			
DAY 3 **31.10.2025,**	**DAY 3** **31.10.2025**	**DAY 3** **31.10.2025,**	**DAY 3** **31.10.2025**	**DAY 3** **31.10.2025,**	**DAY 3** **31.10.2025**		
9.00 – 10.50	**Hall – 1** (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)	**Hall – 4** (LT-12 B. Tech Block, **Gr. Floor**)	**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
	Technical Session - 24	**Technical Session - 25**	**Technical Session - 26**	**Technical Session - 27**	**Technical Session - 28**		
Session Theme:	**Waste Management, Circular Economy & Policy**	**AI, Machine Learning & Smart Systems for Waste and Environment - I**	**Sustainable Materials & Product Innovation**	**Waste Management in Indonesia - Panel, Social and Political Science State Islamic University Walisongo**	**Environmental Monitoring, Risk & Pollution Control**		
	Chair: Prof. Gert Morschek, RU, Germany Co-chairs: Prof. Rahul Baidya, ISWMAW Dr. Vineet, Dept. of Mechanical Engg, GEU	Prof. Pradeep Kumar Sharma, Dean of Projects, GEU Prof. Varij Panwar, IPR Head, ECE, GEU	Chair: Dr. Gopal ji, M E Dept., GEU Co-chairs: Dr. Manvandra Kumar, M E Dept., GEU Prof. Sanjeev Kumar, Dept, of Civil Engg, GEU	Chair: Prof. Misbah Zulfa Elizabeth, SIUW, Semarang Co-chair: **[ONLINE SESSION]** **9.00 – 10.50 IST**	Chair: Dr. Natela, D, Georgia Co-chair: Dr. Khatuna Chikviladze, Ministry of Environment, **Georgia**		
	@ 10 minutes Each **109 mabs:** Solid Waste Management and Circular Economy in Campus. Nupur Tandon*, **India**. **46 mabs:** A Comparative Study of Existing Municipal Solid Waste Management Practices in the Metropolitan Cities of Kolkata and Mumbai for the Period 2015 to 2025. Mufti Mohammad Saif, I.	**@ 10 minutes Each** **24 abs:** A Smart, AI-Integrated Vermicomposting System for Sustainable Waste Management. Bhagat, Madhuri*; Rai, Nilesh; Farsole, Aditi; Girde, Aniket; Deshmukh, Himanshu; Umate, Mayur; Lanjewar, Sanish, **India**. **113 mabs:** Deep Learning–Driven Automated	**@ 10 minutes Each** **129 mabs:** Structural and Optoelectronic Response of $Na_2LiSbBr_6$ via Density Functional Theory. Karishma Sharma[1], Hansraj Karwasara[1], Kishor Kumar[1], Amit Soni[2]*, Jagrati Sahariya[3]*, **India**. **130 mabs:** A Review: The Effectiveness and	**@ 10 minutes Each** **248 mabs** Gendering the Energy Transition: The Role of the Indonesian Women's Coalition (KPI) in Empowering Women through Renewable Energy Initiatives in Salatiga City Tika Ifrida Takayasa[1] **Indonesia** **243 mabs** The Politics of Empowerment: Household	**@ 10 minutes Each** **107 mabs:** Technological Challenges, Research Advancements and Future Prospects Towards Valorization of Pine Wastes. Richa Bhatt[1]*, Arunima Nayak[2], Brij Bhushan[3], **India**. **110 mabs:** Assessment of Microplastic Contamination in Shrimp Aquaculture Farms from Ernakulam, Kerala,		

	Mukherjee, A. Ray, Md. W. Akra, T. Pattanayek, D. Sau, **India**. **50 mabs:** Financial Sustainability and Commercial Prospects of Solid Waste Management. Nishtha Srivastava 1, Avnish Chauhan 2*, Naman Agarwal 3, Shaheen Efrah Ali 3, Debasis Mitra 4, Rachan Karmakar 5, Muneesh Sethi 6, Gopal Ji 7, Manvandra Kumar Singh 7, **India**. **10 abs:** Circular Economy in Waste Reduction, Income and Employment Creation Potentials: The Case of Assosa Town Municipal Solid Waste Management, Western Ethiopia. Mamo, Deshu; Karmakar, Rachan*, **India**. **29 abs:** From Waste to Resource: Economic Reforms and Circular Economy Practices at JECRC University. Tambi, Ayushi*; Sharma, Nidhi, **India**. **204mabs:** Environmental Commitment Indicator Framework for Electric Vehicle Purchasing Based on a Survey: Methodological Framework and Implementation Jozsef Kovac, Habil Monika Garai-Fodor, **Hungary.** **232mabs:** Waste Management in Poultry Farms: Circular Economy Approach to achieve SDG**.** Abirami. G,1 Santhiya. M,1 Shalini. K, 1 Revathy S.R,2* Kirubakaran Victor. **India**	Classification and Segregation of Food Waste for Circular Economy Applications. Ipsita Saha 1*, Amit Kundu 2, Sadhan Kumar Ghosh 3, Shreeja Sinha 4, Nilagrib Ray 5, Raktim Dasgupta 6, **India**. **117 mabs:** A Review on the Use of Artificial Intelligence for the Development of a Smart City through Integrated Waste Management System and Circular Economy. Mohammad Usama, **India**. **119 mabs:** Predictive Analytics for Municipal Solid Waste and E-Waste Generation: A Machine Learning Approach for Urban Area. Latpate Sandhya[1], Sunil Mahajan[2], Shriram N. Kargaonkar[3]*, **India**. **124 mabs:** Intelligent System for Mango Leaf Disease Detection Using Image-Based Deep Learning. Sohrab Ali 1, Sameer Dev Sharma 2, Parminder Singh 3, **India**. **158 mabs:** A Review on the Use of Robotics in Integrated Waste Management through Artificial Intelligence & Machine Learning. Mohammad Usama*, **India**.	Characteristics of Glass Fiber in Concrete. Ankit Nainwal[1]*, Ankit Negi[2], Anoop Bahuguna[3], Ritiksha Danu[4], **India**. **89 mabs:** Green Synthesis and Characterization of an Eco-Friendly TiO_2 Nanocomposite for Efficient Removal of Dyes from Wastewater. Neeraja Paramala, E. Sandhya Rani, Narasimha Golla, **India**. **135 mabs:** Sustainable Development of Activated Carbon: Synthesis Strategies, Functional Modifications, Environmental Applications, and Future Perspectives. Anjas Asrani[1], Narendra Gariya[1], Brijesh Prasad[1,2]*, Adhirath Mandal[3], **India**. **154 mabs:** Sustainable Energy Optimization in a Production Shop through Heat Loss Reduction, Electrical Scheme Improvement, Improved Illumination and Improved Machine Orientation. Alivia Mondal, Asoke Kumar Paul, Subir Ray, **India**. **102 mabs:** Sustainable Development of Starch-Based Bioplastic from Agro Waste: A Pathway Toward Sustainability and Circular Economy. Roshani Basera*, Nikita Joshi, Dr. R.K. Srivastava, **India**.	Waste Governance and Community Participation in Banyumas Regency, Central Java, Indonesia Masrohatun **Indonesia** **245 mabs** Community Participation in Developing Circular Economy through Household Waste Management in Aceh Arfriani Maifizar, Misbah Zulfa Elizabeth, **Indonesia** **244 mabs** Genealogy of Household-Based Waste Management in Surakarta Nurhadi, **Indonesia** **241 mabs** Coastal Conservation Dilemma: Mangrove and Deep Sea Sedimentation From a Socio-Ecological System Perspective In Kampung Laut, Ujung Alang, Cilacap Regency Indra Jaya Kusuma Wardhana[1]*, Misbah Zulfa Elizabeth[2], Syamsu Budiyanti[1], Dinara Maya Julijanti[1] **Indonesia** **246 mabs** Fast Fashion Waste and Improving the Welfare of Urban Communities (A Study of the Gerakan Seribu Rupiah Community in Semarang, Indonesia) Ririh Megah Safitri, **Indonesia** **240 mabs** Integrative Environmental Communication Based on the "Si Cantik Cerdas" Waste Bank Bani Eka Dartiningsih[1],	India, and Estimating Human Exposure through Consumption. Abhinab Borah[1], Suja Purushothaman Devipriya[2]*, **India**. **116 mabs:** Non-Ionizing Radiation from Electronic Devices: An Emerging Environmental Hazard Evaluated through *Allium cepa* Bioassay. Ankita Sharma[1], Shalini Bahel[2], Jatinder Kaur Katnoria[1]*, **India**. **118 mabs:** Ecotoxicological Effects of Polypropylene on Terrestrial Ecosystem Earthworm (*Lampito mauritii*). Babita Thakur[1], Jaswinder Singh[2]*, Joginder Singh[1], Adarsh Pal Vig[3], **India**. **121 mabs:** Phytotoxic Assessment of Chlorpyrifos on Mustard (*Brassica juncea*). Asha S. Raj[1], Preethy Chandran[2]*, **India**. **127 mabs:** A Geospatial Approach to Identifying Suitable Municipal Solid Waste Disposal Sites in Tiruchirappalli City, Tamil Nadu, India. Subash S, Shobana Lakshmi M, Suresh S, Gunasekaran S, Muthukumar M, **India**. **128 mabs:** A Remote Sensing and Geographical Information System Approach for the Zoning of Wastewater Drainage Systems in Dindigul District, Tamil Nadu, India. Agalya N, Madhumitha G, Iswarya R, Muthukumar M, Gunasekaran S, **India**. **238 mabs**: Regularities of distribution of complex		

	264 mabs: Circular Textiles and Regulatory Divergence: Comparing the EU's EPR-Driven Framework with India's Emerging Policy Landscape Dr. S. Durgalakshmi, M. R. Keerthana, Law College, The Tamil Nadu Dr. Ambedkar Law University **India** **265 mabs:** Promoting Repair and Reuse Culture for a Circular Economy: A Community-Based Sustainable Waste Management Initiative Nisha K. G., Assistant Professor – Finance & Industry Relations Coordinator, GRG School of Management Studies, PSGR Krishnammal College for Women **India**		**136 mabs:** Green Synthesis of Silver Doped Zinc Oxide / Magnesium Oxide Nanoparticles and Its Adsorptive Studies on Dye Degradation. Kolluru Sree Manaswini[1]*, G. Jyothee Pallavi[2], N. Chitti Babu[3], **India**. **106 mabs:** Investigations on Concrete Incorporating Mill Scale via Response Surface Approach. Nishant Singh, Yogesh Iyer Murthy[1]*, **India**. **233 mabs**: Recycling Plastic Waste into Sustainable Pathway Bricks. H. Thasleem Kowthar, 1 M. Vijayalakshmi, 1 R. Issath Fathima R,1 S.R. Revathy S.R, 2* V. Kirubakaran, **India**.	Dinara Maya Julijanti[2], Misbah Zulfa Elisabet[3] **Indonesia** **239 mabs** Culture, Traditional Markets, And Waste Management: Mapping Material Flows And Circular Interventions in Jayapura City Akhmad Kadir. **Indonesia** **247 mabs**: *Enduring Amid Crisis: The Ethno-Economic Resilience of Women Pottery Artisans in the Laboora Indigenous Community* Asliah Zainal[1], Anita Rezki[1] **Indonesia** **242 mabs** Religion and Environmental Restoration: An Interfaith Perspective to Address the Ecological Crisis Endang Supriadi, **Indonesia** **QA** **Chair Summary**	climatic parameters in the Black Sea region of Georgia against the background of climate changeLiana Kartvelishvili1, Lasha Kurdashvili2, Maia Gogoti3, Zurab Sopromadze3, Tamar Koblianidze. **Georgia**. **250mabs**: Environmental Effects and Microbial Diversity of Landfills Sutripta Sarkar, Saptadipa Sen, Sadhan K. Ghosh. **India** **266 mabs:** Physical & Chemical Characterization of Legacy Waste at Dhapa Dump Site. Subhabrata Mahapatra, Dibakor Mandal, Samran Banerjee, Sourav Chakraborty, Abhisek Roy, Amit Dutta, Department of Civil Engineering, Jadavpur University, Kolkata **India**		
Break							
31.10.2025, Day 3 **11.10 – 13.00**	**Hall – 1** (Conference Hall Chanakya Block, **Gr. Floor**)	**Hall – 2** (Seminar Hall Chanakya Block, **1st. Floor**)	**Hall – 3** (LT 12 Chanakya Block, **Gr. Floor**)		**Hall – 5** (Conference Hall B. Tech Block, **1st Floor**)	**Hall – 6** (Conference Hall CS IT Block, **Gr. Floor**)	**Hall – 7** (Seminar Hall CS IT Block, **Gr. Floor**)
	Technical Session –	**Technical Session - 29**	**Technical Session – 30**				
Session Theme:		**Industry Session - I**	**Environmental Monitoring, Risk & Pollution Control**				
		Chair: Mr Rajiv Bhatnagar, JK Tyre Co-chair: Mr. Bharat Manglani, Bharat Oil and Waste Management Ltd.	Dr. Gordon Linley Jackson, IGES, **Maldives** Mr. Lakshitha Paranagamage, Japan,				
		@ 10 minutes Each **141 mabs:** Circular Economy and Solid Waste Management – Practices in Pulp & Paper Industries. Gouri Shankar Patnaik, **India**. **140 mabs**: Circular Economy and Solid Waste Management-Practices in Dolfin Rubbers LtdJitendra PancholiVice	**Session Keynote speech: @15 minutes:** **155 mabs:** Circular Economy Measures at Provincial Levels: Karnataka – A Case Study. Upendra Tripathy, **India**. **@ 10 minutes Each** **131 mabs:** Decarbonising Steel: A Data-Driven				

		President – Dolfin Rubbers Ltd (Punjab)India **144 mabs:** Gearing Up for Circular Economy by 3R Concept in Rubber King Tyres Private Limited, Ahmedabad. Praveen Vaishnava, **India**. **142 mabs:** HR Strategies for Driving Circular Economy Success. Ravi Pant, **India**. **201 mabs**: Challenges in Talent Management in New Era. Rakesh Srivastava**, India**. **199mabs:** Case Studies on Circular Economy and Greenco Rating System. Senior Counceller, CII GBC Hyderabad, **India.**	Strategy for Scope 3 Emission Reduction. Raktim Dasgupta[1], Arup Ranjan Mukhopadhyay[2], Sadhan Kumar Ghosh[3], Biswanath Doloi[4], **India**. **146 mabs:** Spatio-Temporal Land Use and Land Cover Changes in Dehradun (2013–2023). Ankit Negi[1*], Shivam Nautiyal[2], Kamal Kant Joshi[3], Ankit Nainwal[4], Anoop Bahuguna[5], **India**. **148 mabs:** Optimizing Landfill Siting with GIS and Multi-Criteria Evaluation: A Case Study of Bangalore Urban District (BUD). M. I. Jisly Shareefa[1], Dr. M. Muthukumar[2*], **India**. **166 mabs:** About Stonesoup Trust. Lakshitha Paranagamage[1*], Chettiyappan Visvanathan[2], Premakumara Jagath Dickella Gamaralalage[3], **India**. **47mabs:** Assessing the Influence of the Soil Parameters on Permeability as an Aid for Contaminant Transport in Groundwater for the Haldia Industrial Belt, West Bengal, India T. Pattanayek, I. Mukherjee, K. Ghosh, M. W. Akram, M. M. Saif, A. K. Gangopadhyay, D. Sau, A. Ray, A. Banerjee, **India.** **174mabs:** Microplastic Isolation from the River-Water, Soil and Leachate in the Kathmandu Valley for Study Structure, Morphology and Quantity				

			Jyoti Giri, Anjali Shrivastav, Mandip Rai, Pratima BK, **Nepal.** **184mabs:** Himalayan Harmony: Sustainable Waste Management System at High Altitude Terrains Jasojeet Naik, **India.**				
Lunch Break 13.00 – 14.20	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**	**Lunch Break 13.00 – 14.20**
	Valedictory & Award Ceremony						
14.30 – 16.00	Initiator of the Event and Anchor: Dr. Bharti Sharma, Assistant Professor Dept. of Humanities and Social Sciences President, GEU, India VC, GEU, India President, ISWMAW, India Mr C R C Mohanty, Environment Program Coordinator, UNCRD, Japan Presentation of the report of 15th IconSWM-CE & IPLA GF 2025 by the representative of GEU Working Groups and ISWMAW Feedback from the participants – Prof. Oladele A. Ogunseitan, US; Gordon Linley Jackson, Maldives, Mr. Ezra, Philippines, Dr. B. Huong, Vietnam, Indin Scholars and practitioners, . Felicitation of the awardees of IconSWM-CE Excellence Awards for best paper presentation Representative, BITs Pilani, GOA campus -Announcement of the host and location of the 16th IconSWM-CE & IPLA Global Forum 2026 Vote of thanks: Convenor – Prof. Pratibha Naithani **National Anthem**						
Nov 01, 2025	**FIELD VISIT HAS BEEN CANCELED**						
All Are Welcome to Join The 16th IconSWM-CE & IPLA Global Forum 2026 at GOA, India							
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Special Issues of the Journal of Solid Waste Technology and Management (Scopus Indexed)

To be released on 29.10.2025 at the inaugural program:

Vol 51, Issue October 2025, Special Issue 4-1: 15th IconSWM-CE & IPLA Global Forum 2025 - Waste Valorisation and Resource Circularity – 9 accepted articles

Vol 51, Issue October 2025, Special Issue 4-2: 15th IconSWM-CE & IPLA Global Forum 2025 - Waste Littering to Waste Utilisation: Bringing Zero Waste and Circular Economy Culture in School - 5 accepted articles

To be released on 30.11.2025

Vol 51, Issue November 2025, Special Issue 4-3: 15th IconSWM-CE & IPLA Global Forum 2025
[Submitted articles are presently under review]

To be released on 30.12.2025

Those who are interested to submit the full articles for publication to the above Journal of Solid Waste Technology and Management, please submit to: journalswtm@gmail.com at the earliest.

Vol 51, Issue December 2025, Special Issue 4-4: 15th IconSWM-CE & IPLA Global Forum 2025
Vol 51, Issue December 2025, Special Issue 4-5: 15th IconSWM-CE & IPLA Global Forum 2025
To be released February - March 2026

Vol 52, Issue February – March, 2026, Special Issue 4-6: 15th IconSWM-CE & IPLA Global Forum 2025
Vol 52, Issue February – March, 2026, Special Issue 4-7: 15th IconSWM-CE & IPLA Global Forum 2025

All Are Welcome to Join The 16th IconSWM-CE & IPLA Global Forum 2026 at GOA, India