

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



Principal Sri Venkateswara University (SVU), Tirupati, Andhra Pradesh, India
Organisers: International Society Waste Management, Air and Water (ISWMAW)
 International Partnership for Expanding Waste Management Services of Local Authorities (IPLA)

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

Program Schedule: 12th IconSWM-CE & IPLA Global Forum 2022 with a team from 49 countries

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

At ISWMAW HQ Secretariat: Prof Sadhan K Ghosh, Chairman iconswm.ce@gmail.com, sadhankghosh@gmail.com, You can call to: +91 8240537668/ 9154275427/ 9830044464; ISWMAW Secretaries: Dr.Sutripta Sarkar and Dr.AsitAich,	At ISWMAW Secretariat at SVU, Tirupati: Prof. VaradarajanSourirajan, Convenor varadasouri@gmail.com, svuiconswm2022@gmail.com You can call to: +91 9949300990/ 9866437937; Secretaries: Prof. T. Damodaram and Dr. Muni Lakshmi, SVU
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Important Information:
 Nearest International Airport: 1. Tirupati International Airport (IATA: TIR, ICAO: VOTP) city of Tirupati, Andhra Pradesh. (30 Minutes on road to reach SVU)
 2. Chennai International Airport (IATA: MAA, ICAO: VOMM), city of Chennai, (3.5hrs on road to reach SVU)
 Nearest Railway station: Tirupati Central railway station (station code: TPTY): 3 km from SVU & Renugunta Rly Station (15 km from SVU)
 Hotels: Name of preferred hotels is available on website www.iswmaw.com

Dear Authors and delegates, in case there is any omission of the papers, lease write to us with the paper code and title. We request all the authors to pay the registration fee at the earliest and send the payment voucher to :iconswm.ce@gmail.com to avoid deletion of your slot from the draft schedule.

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**Page Numbers: Inaugural Program: Page - 31; Valedictory Program: Page 54;
 Keynote, Plenary, Special & Technical Session: Page 19-30 & 32-53**



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Conatct Details in Need						
Overall:	Prof. Sadhan K Ghosh, President, 9830044464	Prof. S Varadarajan, Covenor, 99493 00990	Mr. P. Saikesh, Secretariat, 99895 73725	Ms. Neeraja, Events, SVU, 99086 38027	Prof. Damodharan, SVU, 92906 48816	
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Industry Sectors:	Dr. N. Munil Lakshmi, Secretary, 98664 37937; Mrs. M. Sashikala, APPCB, 91773 03314; Mr. P. Venkateswaran, 98408 31193; Mr. R Reddy, 90000 25622					
Registration Management: at Engg Building	Dr. Asit Aich, ISWMAW, & Ms. Ipsita Saha & Barnika Das 94322 05365	Dr. Sudha Rani, Dr. Kullayamma & their team at SVU, 94900 17047	Mr. P. Saikesh, 99895 73725	Dr. N. Munil Lakshmi, 98664 37937	Mr. B. Ghosh, Visa Card, 9831050447	
Registration Counters	Dr. Asit Aich, Team, S K Roy, Barnika Das & Dr. Muni Lakshmi: Spot Registrants counter at Engg. Bldg, Pay cash/DD	Dr. Sudha Rani Team: Paid Registrants wait in Hall 108 with payment doc. for Kits	Dr. Sudha Rani Team: Paid Registrants wait in Hall 100 with payment doc. for Kits	B. Ghosh & S K Roy: Spot Registrants Pay by Visa Card / Gpay etc.	Dr. Sudha Rani Team & Dr. D. Sree Hari: Health Care Registrants	
Doctor's Sessions Management:	Dr. Daggumati Srehari, IMA, 98480 17687; Dr. Subhas, SVIMS, 96429 96666; Dr. Abhijit Choudhury, SVIMS, 94925 70422					
Technical Sessions Management:	Dr. Sitripta Sarkar, ISWMAW, 94334 30019; Dr. Asit Aich, ISWMAW, 94322 05365; Prof. Diawakar Reddy, SVU, 94400 88282; Mr. B Subramanyam, 7013727549, Ipsita Saha, 80174 51580			Papers, Schedule, Proceedings: Mr. Dineshkumar M, 63742 38506, Mr. Suresh Mondal, 8240537668;		
Wifi, Online platform, PAS Mngt.:	Prof. Diawakar Reddy, SVU, 94400 88282	Mr. P. Saikesh, 99895 73725	Mr. B Subramanyam, 7013727549			
Exhibition Stall Management	Dr. G. Narasimha, 97001 70539	Ms. Neeraja, 99086 38027	Mr. P. Saikesh, 9989573725	Mr. Vasu, 9842316172		
Refreshment Management	Mr. Subramanlam, 9666006158	Dr. Hema Pothur, 9490247265	Waste Management	Mr. Ravi, TMC, 98499 83060; Prof. Damodharan, 92906 48816		
Inaugural & Valedictory Prog.	Ms. Radha, 7032922686	Ms. Sravani, 7207090695	ULB regdn, Field Visit	Mr. Ravi, TMC, 98499 83060		
Infrastructure Management	Prof. Diawakar Reddy, SVU, 94400 88282	Prof. Damodharan, 9290648816	Photography & Video	Mr. Sathish, 9100636736; Rajarshi Chakraborty. 8240001359		

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Program Schedule: 12thIconSWM-CE & IPLA Global Forum 2022[Time: IST (UTC+5.30) (+5.30 GMT)]

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

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

Joining Link:

You may join any session by clicking the [Click to Join] written beside the Hall number. Hall 1, 2, 3, 4, 5 and 6, Auditorium and Senate Hall on the final schedule. will allow you to join in the **Zoom Platform**. Please download the Zoom app on your device. For joining any hall will take a few seconds. Clicking on [Click to Join] will take you to the zoom platform of the particular hall and you can join. No link is needed to join the hall in the conference.

Online Presenters are requested to use laptop and download the Zoom app. Please send the ppt & pdf both to iconswm.ce@gmail.com by 28.11.2022 with File name as Session Number_ paper code (e.g., TS_4_A_230; SS_3_A_190 and so on). Online speaker will share the ppt. from his/her side. In case of any problem, our secretariat will share.

Presentation Durations in sessions: Keynote: and Plenary:15 Mins; Special Sessions: 12 Mins; Technical Sessions:10 Mins



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Message from the Founder & President, ISWMAW:

I, Prof. Dr. Sadhan Kumar Ghosh, as the Founder & Chairman of 12th IconSWM-CE & IPLA Global Forum 2022 and the President of ISWMAW, & IPLA Global Secretariat express my heartfelt gratitude to all the Speakers, Chairs/Co-chairs, sponsors, principal organizers, Organizing Partners, members in the committees, members in Country Specific Working Groups, Delegates, and their sponsoring organizations, hall management and the organizers from 51 countries for their support & participation in 12th IconSWM-CE & IPLA Global Forum 2022 just at the end of the stressed pandemic COVID-19 situation.



Building on the new evidence from the IPCC, the 26th United Nations Climate Change Conference of the Parties (COP26) is charged with the growing urgency of accelerating global ambition and action on both mitigation and adaptation. This year, the spotlight is on the new and updated nationally determined contributions (NDCs) that countries were requested to submit in advance of COP26. The September 2021 version of the NDC Synthesis Report published by the UNFCCC illustrates, the new and updated NDCs are insufficient to achieve the temperature goal of the Paris Agreement.

There is a 50-50 chance that global warming will exceed 1.5°C in the next two decades, and unless there are immediate, rapid and largescale reductions in GHG emissions, limiting warming to 1.5°C or even 2°C by the end of the century will be beyond reach. The achievement of the net-zero pledges that an increasing number of countries are committing to would improve the situation, limiting warming to about 2.2°C by the end of the century. However, the 2030 commitments do not yet set G20 members (accounting for close to 80 per cent of GHG emissions) on a clear path towards net zero. Effective Waste Management and Circular economy are related actions too to combat with the situations.

I hope that the event will make a fruitful discussion with your support and help. I am sure that the discussion in this platform will help bringing forward the recent trends in research & development, policy instruments, implementation strategies & status and future plans in generating awareness and promoting the protection of environment, sustainable waste management, concept of circular economy & resource efficiency, implementation of SDG 2030, enhancing the efficiency in reduction of extraction of natural resources and to look into the waste management as business proposition in tandem with social commitment.

I look forward to see you in 13thIconSWM-CE& IPLA Global Forum 2023in physical mode in person. We need your support for the sustainability of this global platform and for its improvement. I cordially invite you to be a member of ISWMAW.

With Best Regards.

Prof. Sadhan Kumar Ghosh, Founder & President, ISWMAW

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The Organising Committee of 12thIconSWM-CE & IPLA Global Forum 2022 is pleased to Welcome all the delegates from the following countries.

Participating Countries in 12thIconSWM-CE 2022& IPLA Global Forum 2022 welcome all the participants from 51 countries, namely:

Algeria, Afghanistan, Arjentina, Australia, Bangladesh, Belarus, Brazil, Canada, Cambodia, Czech Republic, China, Denmark, Ecuador, Egypt, Fiji Island, France, Georgia, Germany, Hungary, India, Indonesia, Italy, Japan, Kazakhstan, Kenya, Lebanon, Malaysia, Morocco, Mexico, Federated States of Micronesia, Nepal, Nigeria, Norway, Oman, Philippines, Poland, Republic of Korea, Russia, Spain, Sri Lanka, Somalia Island, South Africa, Tanzania, Thailand, Togo, Turkey, Tunisia, UK, USA, Vietnam.

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International Society of Waste Management, Air and Water



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12th International Conference on Sustainable Waste Management & Circular Economy & IPLA Global Forum 2022; 12thIconSWM-CE & IPLA Global Forum 2022

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Country Specific Working Groups

11th IconSWM-CE 2021 - Country Specific Working Group (CSWG) Members	
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Ethiopia	Germany
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Prof. Hani Abu Qdais, Jordan Univ. of Sc.&Tech Prof Anwar G. Jiries, Mu'Tah Univ. of Jordan Prof. Abbas Al-Omari, Univ. of Jordan	Prof. Mervat El-Hoz, CEO, Env. Engineering Consulting, Prof. Mohammad B. Kabbara Dept. of PHE, Lebanese Univ., Branch
Morocco	Kenya
Prof. A. Dahchour, Agronomy & Veterinary Institute Hassan, Prof S Elhajjaji, Univ. Mohammed V Prof. N. Labjar, Ecole national des Arts et Metiers, Prof. Driss DHIBA, Polytechnic Univ. Mohammed VI Prof B. Lekhlif, Ecole Hassania des travaux publics Prof. AbdelmjidZouahri, Institute National de la Recherche Agronomique Prof. .LoubnaEIFels, Univ. CaddiAyyad	Amb. Prof. Michael K. Koech, Kenyatta University (KU), Dr. Rocio A Diaz-Chavez, Stockholm Env. Institute, Mr. K.J Munene, Kenyatta Univ. Ms. M. KanyuaKinoti, Univ. of Nairobi Mr. Desmond KhisaSituma, Catholic University of Leuven (KU Leuven)
Nigeria	Malaysia
Prof. David O. Olukanni, CU Engr. Abiodun Yussuff, Dr. Adeniyi S Aremu, Univ. of Ilorin, Engr. O.M. Ojowuro, AD,MoT, Lagos. Dr. O. A. Mokuolu, Univ. of Ilorin Engr. Abdul Wahab Oguanbiyi, Prof. O. Ajani Lasode, Univ. of Ilorin Dr.Micheal A Arove, Lagos State Univ Dr. O. Maria Buraimoh, Univ of Lagos Dr. Tijani Adekilekun Engr. Yusuf Majolagbe, Lagos Mr. M. Toyin Saheed, Univ. of Ilorin	Prof. P. Agamuthu, Sunway University Dr. Latifah Binti ABD Manaf, UPM. Dr. MarliaMohdHanafiah, The NUM Dr. FauziahShahul Hamid, Univ of Malaya Prof. Sumathi Sethupathi, UnivTunku Abdul Rahman
Mexico	Norway
Prof. Gabriela Munoz-Melendez, El Colegio de la Frontera Norte Prof. Gian Carlo Delgado-Ramos, Nat. Autonomous Univ. Of Mexico	Dr. Kare H. Karstensen, SINTEF Mr. Palash Saha, SINTEF

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



Principal Sri Venkateswara University (SVU), Tirupati, Andhra Pradesh, India
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 International Partnership for Expanding Waste Management Services of Local Authorities (IPLA)

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Nepal Prof. Nawaraj Khatiwada Ms. PrasanunaMaskey Dr. Jyoti Giri, Dr. Anish Ghimire, Mr. Bijay KC, Mr. Pankaj Panjiyaar, Mr. Dhan Prasad Acharya, Mr. Bibhu Raj Aryal, Prof. Dr.RejinaByanjju	Philippines Prof. Alberto Naperi Dr. Arturo Figueroa Prof. Arlen Ancheta Dr.LynleiPintor; Dr. Aries Ativo Mr. WencelitoHinturalMattheusImcon Abris Ms. Russel Olan; Mr. Allan Alzona, Mr. Fe Ociones, Mr. N. C, Santiago, Mrs. Grace Saupay; Mr. JoseGodezano Ms. Evelyn B. Cajucom
Russia Dr. Vladimir Maryev Prof. Maria Liubarskaia, Dr. Tatiana Smirnova Ms. Daria Ipatova, Mr. Dmitry Yaroslavtsev	Saudi Africa
Slovenia Dr. Kos Igor, Institute for CE, Maribor, Dr. G. KoširLadeja, Institute for CE, Ljubljana, Dr.BavconKraljMojca, Univ. of Ljubljana Dr.TrebšePolonca, Univ. of Ljubljana	Sri Lanka Mr. Ajith Weerasundara, DDG, Env. Edn& Awareness, CEA; Dr. A. Karunaratna, Univ. of Peradeniya, Mr. Prabuddha, CEA;
Syria Prof. . Anwar G jiries, Mu'Tah University, Engr. Riad Kabikli, Syriae; Engr. Sami Dibs, Entrepreneur of WM	Thailand Prof. C. Viswanathan, AIT Prof. S. Babel
Turkey Prof. Dr. Mehmet Sinan Bilgili, YildizTechnical University, Prof. GüraySalihoğlu, Bursa Uludag University,	Tunisia Dr. Aida Ben Hassen, ERTC, Dr.KaoutherZaafouri, Univ of Carthage Prof. CheimaFersi, Institute National de Recherche et d'AnalysePhysico- chimique,

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Dr.ŞuleTurhan , Bursa Uludag University Gaffar İhsan İpeker., MD, İpeker Textile Industry and Trade Co., Bursa Dr.Nezih Kamil Salihođlu, Bursa Uludag University	Prof. BorhaneMahjour, ISCAM University of Sousse,
USA	Vietnam
Dr. Ronald Merskey, Widener University, Chester, Prof. Serpil Guran, Director, Rutgers EcoComplex, "Clean Energy Innovation Center", NJ Mr. Sannidhya Kumar Ghosh, University of Colorado Boulder, Dr. Shamim Ahsan, Metropolitan State University of Denver, Prof. T. Das, St Martin Univ.	Dr. Nguyen Trung Thang, DDG, ISPONRE; Asso. Prof. Van Dinh Son Tho, HUST; Dr. Nguyen Duc Quang, HUST; Prof. Dr. Nguyen Thi Kim Thai, Vice- Director, INEV, NUCE; Asso. Prof. Nguyen Thi Ha, Dean, FEE, VNU Assoc. Prof. Tran Thi Viet Nga, NECE; Dr. Nguyen Hoang Nam, Researcher, ISPONRE; Nguyen The Thong, Researcher, ISPORE Duong Thi Phuong Anh, Dy. Head, ISPONRE; Nguyen Thi Ngoc Anh, Researcher, ISPONRE; Nguyen The Thong, Researcher, ISPONRE
UK	Zambia
Prof. P. K. Dey, Aston University Prof. Davis Phillip, Univ of Birmingham, Dr. Amit Chattopadhyay, Aston Univ. Dr. Jonathan Nixon, Coventry Univ. Dr. Debashree De, Essex Business School, Dr. Richard Blanchard, Loughborough Univ. Prof. RebrovEvgeny, Warwick Univ. Prof. Pawan Budwar, Aston Univ. Dr. Costas Velis, Univ. of Leeds Mr. Andrew Farmer, IUEP, Dr. S. Roy	Dr. BupeGetrude Mwanza Dr. Flora K. Chitalu, Dr. Joseph Mwanza, Mr. Kachikoti Banda, Asst. Dir, PHE, Lusaka Mr. MohmedriyazliyasValibhai Patel
Republic of South Korea	Kazakhstan
Prof. S. W. Rhee, Kyonggy University, South Korea	Prof Ankit Garg, LNGE National University Prof ZhanbolatShakhmov, LNGE National Univ. Prof. L.N. Gumilyov, Eurasian National Univ. & St. Petersburg State Arch. & Civil Engg, Russia

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



Principal Sri Venkateswara University (SVU), Tirupati, Andhra Pradesh, India
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Waste Management project mentored by Prof. Sadhan K Ghosh from ISWMAW :

1. International Society of Waste Management-Air and Water (ISWMAW -IconSWM-CE) in collaboration with the Science Departments under the DBT star college scheme Synod College Shillong Meghalaya India. The project was inaugurated on 11st December 2021 at Synod College, Shillong, Meghalaya
2. Waste Management Project at Tenali Municipality, Andhra Pradesh in 2018-2019.
3. M/s Safenviron, the bio medical waste treatment facility at at Chinakakani Village, Mangalgi, in Guntur District, Andhra Pradesh from 2018.



Principal Sri Venkateswara University (SVU), Tirupati, Andhra Pradesh, India
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Introduction by Prof. Vijay Bhaskar Rao, Prof. S. Varadarajan, Dr Muni Lakshmi, Dr. Sutripta Sarkar and Dr. Asit Aich,

Good morning, good afternoon and good evening. We welcome all the participants, delegates, experts, mentors, sponsors, organizers, members of the ISWMAW to the 12thIconswm-CE 2022& IPLA Global Forum 2022, which is being organized by, Sri Venkateswara University with International Society of Waste Management, Air and Water (ISWMAW), IPLA and UNCRD, Japan.

Prof. Dr. Sadhan Kumar Ghosh, Founder and Chairman, IconSWM-CE & President of ISWMAW, expresses his gratitude to all the speakers, chairs/co-chairs, sponsors, principal organizers, organizing partners, members in the committees and Country Specific Working Groups, participants and their sponsoring organizations, hall management and the co-organizers for their support & participation in 12thIconSWM-CE & IPLA Global Forum 2022 from 47 countries, UNCRD, UNIDO and UNEP. We hope to present a meaningful event with the help of different departments in the govt of Andhra Pradesh, namely, APPCB, APSCHE, MAUD, Science & Technology, and many others. Similarly support from Sri City Pvt Ltd, Divis Laboratory, Amara Raja Batteries, GIZ, SINTEF, the sponsoring organisations, the organisations and academic institutions nominated the delegates to join and the many individuals who supported from India and abroad for a meaningful event.

The objectives of the event are to develop awareness among all the stakeholders for the protection of environment, sustainable waste management, promotion of the concept of circular economy & resource efficiency, implementation of SDG 2030, enhance the efficiency in reduction of natural resources and to look into the waste management as business proposition in tandem with social commitment. International Society of Waste Management Air and Water and the IconSWM-CE were established by Prof. Sadhan Ghosh in the year 2009 with a group of experts in various countries with the objectives of bringing together all researchers, policy makers, industries, NGOs and international societies working on waste management for building a cleaner and better society. Every year the International Conference on Sustainable waste Management and Circular Economy is organized by ISWMAW with the support of other collaborators.

This event will allow around 340 papers and 350 presentations from 49 countries. 12th IconSWM-CE & IPLA Global Forum 2022 is being participated on hybrid mode by more than 700 delegates, experts and speakers from 51 countries, namely, Algeria, Afghanistan, Argentina, Australia, Bangladesh, Belarus, Brazil, Canada, Cambodia, Czech Republic, China, Denmark, Ecuador, Egypt, Fiji Island, France, Georgia, Germany, India, Indonesia, Italy, Japan, Kazakhstan, Kenya, Lebanon, Malaysia, Morocco, Mexico, Federated States of Micronesia, Nepal, Nigeria, Norway, Oman, Philippines, Poland, Republic of Korea, Russia, Spain, Sri Lanka, Somalia Island, South Africa, Tanzania, Thailand, Togo, Turkey, Tunisia, UK, USA, Vietnam, and UN organizations, namely UNCRD, UNEP and UNIDO. This International Conference will deliberate on various issues related to innovation and implementation in sustainable waste management and circular economy including policy, design strategies & targets, solid &

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International
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liquid waste segregation, collection, transportation, treatment technologies, life cycle analysis, climate change, circular economy, resource efficiency, wastewater treatment, fecal sludge management, research, business opportunities and many others.

IconSWM-CE has a significant growth through the ISWMAW and took the shape of an international movement with the active participation of more than 60 countries through last one decade with the leadership of Prof Sadhan K Ghosh and his national and international network in more than 50 countries. We salute Prof Ghosh for his leadership and contribution in the international scenario for promoting waste management as business model and social commitments, 3Rs, Circular Economy and SDGs.

We welcome you all in the 12th IconSWM-CE & IPLA Global Forum 2022 conference and see you in 13th IconSWM-CE & IPLA Global Forum 2023 in KJSIM, Mumbai.

12th International Conference on Sustainable Waste Management & Circular Economy & IPLA Global Forum 2022; **12thIconSWM-CE & IPLA Global Forum 2022**

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



Principal Sri Venkateswara University (SVU), Tirupati, Andhra Pradesh, India
Organisers: International Society Waste Management, Air and Water (ISWMAW)
 International Partnership for Expanding Waste Management Services of Local Authorities (IPLA)

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Program

	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-220 [Click to join]	Hall 6- 232 [Click to join]
29.11.2022-Day 0 – Pre-Conference Day						
1.00 - 7.00pm	Pre - Registration at the IconSWM-CE Auditorium;					
Time for Tirumala Tirupati Darshan will be on 2 nd and 3 rd December. Start at 6 am, return at 9 am.						
12.00 - 1.30 pm 2.30 – 03.30 pm	IconSWM-CE 2022 Local WGs meeting – Review the final Preparation					
6.00 - 7.30 pm	IconSWM-CE Core Group & ISC members are cordially invited to the meeting followed by dinner; Hall 108, EnggBldg					
30.11.2022 - Day 1 - Wednesday		Inaugural Program has been shifted to 1 st December 2022 at 9.30am from 30 th November due to some unavoidable circumstances.				
8.30am onward	Registration at the Auditorium					
10.00- 1.30am	Technical & Special Sessions					
2.30 – 9.00 pm	Keynote session, Plenary Sessions, Special Session & Technical Sessions and Reception Dinner					
Dec 1, 2022 10.00–12.00 pm	Inaugural Programme IconSWM-CE Auditorium: Inaugural program will be attended by the Hon'ble MIC Environment, Forest and Climate Change, Govt of AP and other dignitaries from India & abroad. [Click here to join]					

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02.30 pm – Keynote, Plenary, Special & Technical Session starts at the Engineering Building, Hall no. 100, 107, 108, 200, 222, and 232.

Schedule of Keynote, Plenary, Special and Technical Sessions

	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
Day 1: 30.11.2022 10.00 – 12.00pm	KS-1: Keynote Session: Waste Management & Circular Economy (On Site presentation)	TS 5 – Community practices in waste management (on site presentation)	TS-1: Tech. Session: Liquid Waste Management -I (Hybrid presentation)	TS-20: Waste Utilization	TS 7- Solid Waste and Landfill Management (on site presentation)	TS 8: Plastic Waste Management WM (Hybrid Presentation)
	Chair: Prof. Sadhan K Ghosh, India Co-Chair: Prof. Gert Morscheck, Germany Each Speech 15 minutes	Chair: Prof T Gowri Manohar, Dept of EEE Co-Chair: Prof D Srinivasulu Reddy, S V College of Engg, Karakambadi.	Chair: Prof. Tapas K Das, USA Co-Chair: Dr. Kulwant Sigh, N. Delhi	Chair: Prof. Vijay Bhaskar Rao, SVU, India Co-Chair: Prof. R. M. Lingdoh, Principal, Synod College, Shillong	Chair: Mr. A. Narendra, APPCB, Tirupati Co-Chair: Dr V Bhargavi, S P Mahila Univ. Tirupati	Chair: Prof J Katyayani, Dept of MBA, S P Mahila Univ. Co-Chair: Prof. Satyendra Upadhyay, KJSIM
Hall Manager I/C: Dr. Sutripta Sarkar and Prof. Diwakar Reddy V,	<i>Dr. Sutripta Sarkar, Mr. P. Redappa & SVU and ISWMAW Team</i>	<i>Dr. Rahul Baidya, Mrs. M. Chandhana Priya & SVU and ISWMAW Team</i>	<i>Dr. Asit Aich, Mrs. N. Sumalatha, & SVU and ISWMAW Team</i>	<i>Ms. Sonali Roy Choudhury, Ms. Ipsita Saha & SVU and ISWMAW Team</i>	<i>Mr. Raktim Dasgupta, Ms. P. Gowthami & SVU and ISWMAW Team</i>	<i>Mr. Sampad Das, Mrs. N. Jyothi & SVU and ISWMAW Team</i>
1.	Keynote MWM: Smt. Y. Sri Lakshmi, IAS, Special Chief Secretary, MAUD, Govt of AP, India (tbc)	Divya Tiwary, Shruthi Sreenivasan, Meghna Vodapalli, India A_229: Role of SHGs in MSW Management - A Case Study from Udupi	Lead Speech: Dr. J. Vogel, M. S. Camilleri-Rumbau, I. Helgeland, T. Jain, N. Michelon. Denmark. Increasing the Efficiency of Water Treatment in Industry with Aquaporin Inside® FO(Online)	Keynote: Robert W. Peters, Tapas K. das. USA. A_32: Waste Valorization Activities in Rural Communities	B. Satish Babu, P. Brahmajirao, India. A_281: Isolation of The Microorganisms In Municipal Soild Waste Leachate And Soil Samples From Tenali Municipal Dumpsite	Keynote: Anh Tuan Ta, Sandhya Babel, Thailand; A_175:Effect of population density on abundance of microplastics in the Chao Phraya River, Thailand

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
	Sustainable Waste Management & CE in AP					
2.	Keynote Policy: Mr. Sudhir Kumar, Advisor (I), NityAyog, India Policy and Strategies on Circular Economy in India	Mohini Jadon, Amit Chauhan, India A_242: An analytical study of Implementation of safaimitrsuraksha challenge and empowerment of safaimitr in Indore city	invited speech: N. Muni Lakshmi, India. A_226: Colour Removal from Basic Textile Dyestuff By Adsorption Onto Preformed Floccs	M Ali Syed, Al-Hanoof Abdullah Al-Mandhari, S M Al-Harhi, N M Al-Farsi, V Manappallil Joy, S SAli Al Rashdi, Oman A_167: Investigation on Corrosion inhibition of Carbon Steel in Oil and Gas Industries Using Green Polymer Composites	Swarup Paul, Moutushee Debnath, Debapratim Debnath, Suvendu Mohanty, India A_121: Selection of Plant Location for Sustainable SWM: Agartala City Case Study. (Online presentation)	Amit Chauhan, Mohini Jadon, India. A_243: To enforced the alternative of Plastic for Pramotion Zero waste life Style to Zero waste Landfill
	Keynote Europe: M. Nelles, G. Morscheck, A. Nassour, Satya Narra, Germany. A_314: Recovery Of Organic Waste And Residues - A Key Element For Climate Neutrality Of WM, Energy System & Bioeconomy	K. Ramamohan Reddy, S. Teki, India A_55: Awareness Of E-Waste Management In India-A Study	L. Partha Praveen, N. MuniLakshmi, P. sravani. India. F_283: Removal of nickel (ii) ion from an aqueous solution using red brick as an adsorbent	Bhavana Khare, R. K. Gupta, M.K. Sharma, India A_216: Effect of iron addition in NiTi shape memory through powdermetallurgy route	Arlen A. Ancheta, Philippines. A_273: Zero Waste Initiatives in an island Ecosystem: Siquijor Island, Philippines as Context	PawenaLimpiteeprakan and Sanga Tubtimhin, Thailand, A_140 : Composition of plastic debris along the lake area
3.	Keynote :Dr. Vladimir Maryev, ANO "ICBET" Russian Federation, "Secondary Resources in the road constructions- Way for	S. Siva Prasad, A. Sudharsana Reddy. India. A_301: challenges and opportunities of waste management in India	Rothish R Nair, Jasmin G Russel, Jiffin Sam, Krishnakumar B, Prathish K P. India. A_228: Development of a scavenge & destruct concept for perchlorate remediation via in-	T K Maddileti, VBuragadda, E Reddy Orekanti, GPrasanna, G, India. A_250: Improvement of Dredged soil Engineering Properties using Coir Fiber	K. K. Kumar, Anna Gnida, J. Surmacz-Górska, G. Narasimha, S. Sujatha. India. A_274: Development of biochar based magnetic	T. Sumathi, P. Pavana Jyotsna, P. Jeevana Lakshmi, India. A_83: Valorization of plastic waste by fungal enzymes – Mechanisms of action and



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	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
	mitigation of the generated industrial wastes.”		situ/ex-situ microbial reduction. (Online presentation)		photocatalyst for organic compound adsorption and photocatalysis	biotechnological applications
4.	Keynote UNCRD: Mr. C R C Mohanty, UNCRD, Japan Triangular Cooperation to achieve 3R & CE in Asia Pacific	Chvrl. Gayatri, I. Chaitanya, G. Siva Praveena, India A_220: Assessing the Implementation of Larvicidal Activity Efficacy: A Community Based Study. (Online)	Saurabh Sakhre ¹ , Ajantha S, Abhishek Bisarya, Ritesh Vijay, Krishnakumar Bhaskaran. India. F_214: An onsite treatment system for faecal sludge treatment and resource recovery	Prasanna, G., Sai Vamsidhar, P., Anusha, T., Swaroopa, V. India. A_251: Crumb Rubber in Soil Stabilization – A Waste Management Technique	Michal Struk, Czech Republic A_263: A_262: Potential of using incentives in municipal solid waste management	M.S.S.R Tejaswini, Pankaj Pathak, India. A_110: Photocatalytic degradation of low-density polyethylene films: Characteristics, Kinetics, and Mechanism
5.	Keynote Industry: Mr. M. V. Chary, President, Jindal Urban Waste Management (Guntur) Ltd. F_221: Waste to Energy –A closed loop operation towards CE	G. Siva Praveena, I. Chaitanya, P.V.V. Prasada Rao, India. A_215: Maternal Care and Health Issues in Interior Villages of Simhachalam (Online presentation)	Muni Lakshmi N, Shanmukha Srinivas G. India. F_295: Evaluation of Water Quality Indices in Kowndinya Watershed	Saravana Kanchi, N.V.Vamsi Krishna Togati, K. Mallikarjuna Rao, India. A_262: An experimental study on performance of stone Columns filled with repurposing materials	O Joshua OYEBODE, Nigeria. A_18: Assessment of engineered sanitary landfill utilization as a tool for sustainable waste management in Nigeria. (Online presentation)	Keynote: Jun Wang, China. A_209: Building Plastics Circularity In Asia-Pacific Region - Design For Plastics Recyclability (Online)
6.	Keynote Asia Pacific: Agamuthu P. Malaysia A_173: Five Decades of Solid Waste Management Changes and Challenges in Developing Nations	Paramita Bhattacharjee, India. A_246: Environmental determinants of stunting in children and adolescents (Online presentation)	S Ray, P Das, P K Roy. India. F_67: A critical analysis for anticipated outcome from independent faecal sludge and septage treatment plants at unsewered urban areas in the state of WB, India for achieving sustainable faecal Waste Management & maintaining CE	Matcha VenkataDharani Priya. M, Sweta Tejaswi Thumma, Suvamalatha Devi Potireddy, India A_69: Biogenesis of anti-microbial bioactive compounds from shrimp waste: a review	M. Raton Mia, Islam M. Rafizul. Bangladesh. A_267: Characterization and Behaviour of Generated Leachate from Landfill Lysimeter at KUET Campus in Khulna of Bangladesh (Online presentation)	Keynote: Arisman, G A S Irawan, J K Amala, L A Suryana, Indonesia, A_252: EPR Scheme: Feasibility Study of the implementation of Deposit Return Scheme for PET Bottles in Bandung City (Online)

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7.			Hemaanand Murugan, Dineshkumar M. India A_272: Augmentation of operations in the wastewater network by predicting and analyzing hydraulic overload in water purification	Deepshikha Datta, Mahima, Bimal Das, India. A_165: Enhancing structure, properties & application of Jute fiber reinforced unsaturated polyesters laminate by the incorporation of egg shell powder as property enhancing filler	Ashish Malik, Anjali Bhagwat, India. A_64: Phytoremediation to ensure circular economy in Landfill leachate Management	NitaleM'BalikineKrou, G Baba, A Dohou, M Herzog, D. Kiril, Togo. F_59: Blending of polymers (GPPS and HIPS): effect on physical and mechanical properties. (Online)
8.			Veerannapet Santhosh Vishal, Shaik Rehana, N. Munilakshmi, LPartha Praveen A_287: Performance Analysis of 339 MLD Sewage Treatment Plant at Amberpet - Hyderabad	Ria Mitra Thakur, Satyendra Nath Chakrabartty, Sarbani Mitra, Krishna M Agrawal, India. A_89: Circular Economy: Coal Tar Distillation Sector. (Online presentation)	Grigor Tatishvili, Darejan Dughashvili, Nona Tchalidze, Natela Dzebisashvili, Elizbar Suramelashvili, Giorgi Berechikidze, Georgia. A_39: Study of the Sorption of Some Heavy Metals by the Carbon Material Obtained from Cellulose-containing Waste on the Example of the Leachate of MSW Landfill - Research FR-21-12546 has been supported by SRNSFG	A Kashyap, R Borthakur, India. A_141: Source specific characterization and quantification study of plastic waste in Indian perspective (Online)
9.			Karteek A. India. A_289: Waste Management Article	G. Vikas Kumar , R. Nagaraju, P. T. Srinivas , M. Raja naik. India. A_300: Value Addition to Tirumala Tirupathi Devasthanam's Flower Nirmalya Through Dry Flower Technology		
	7PRESENTATION	8PRESENTATION	10PRESENTATION	10 PRESENTATIONS	10 PRESENTATIONS	9PRESENTATIONS
	Visit to Exhibition Ground		Visit to Exhibition Ground		Visit to Exhibition Ground	

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Day 1: 30.11.2022 2.30 – 4.00 pm	KS-1: Keynote Session: Waste Management & Circular Economy (On Site presentation)	SS-1: Special Session: Waste Coprocessing in Cement Industries (On Site presentation)	TS-1: Tech. Session: Liquid Waste Management -I (on Site presentation)	SS-2: UNCRD Special Session: 2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034)	SS-3: Special Session: WM and Circular Economy in Russian Federation and neighbouring countries	PS-1: Plenary Session: Global status of WM and Circular Economy
	Chair: Prof. K. Raja Reddy, VC, SVU Co-Chair: Prof O. Md. Hussain, Registrar, SVU Each Speech 15 minutes	Chair: Mr. U. V. Parlikar, India Co-Chair: Mr. Palash Saha, Norway Each Speech 12 minutes	Chair: Prof. Vijar Bhaskar Rao, India Co-Chair: Prof. Tapas K Das, USA Each Speech 10 minutes	Chair: Mr. Sudhir Kumar, Advisor (I), Niti Ayog, India Moderator: Mr. C R C Mohanty, UNCRD DSDG/UN DESA, Japan	Chair: Dr. Maryev Vladimir, Russia Co-Chair: Dr. Andrei Pinihin, Belarus (Virtual presentation) Each Speech 12 minutes	Chair: Mr. M. Divs Rao Co-Chair: Dr. S. Roy, UK (Virtual presentation) Each Speech 12 minutes
1.	Keynote CDW: Prof. K. N. Satyanarayna, Director, IIT Tirupati Construction & Demolition Waste Management in India	Keynote: Dr. Kare. H. Karstensen, Norway; A_249: Ocean Plastics turn into opportunities for Circular Economy (Online) (15 minutes)	Bojjala Sravya, M. Reshma Anjum, India. A_194: Solid and Liquid Waste Management	Rapporteur: Dr. K. Singh, India Dr. Anupam Khajuria, UNCRD-DSDG/UN DESA (On Site & Virtual presentation) Detailed in Annex I A & B	Ekaterina Demicheva, UNIDO Expert, Russian Federation Federal Project "Circular Economy". Eco-Industrial Parks as the basic elements of the CE System in Russia	Andrew Farmer, UK A_75: Challenges for the Circular Economy in the EU: Plastics, Novel Materials and the Bioeconomy
2.	Prasad Jaladi, Founder of Suraksha, USA. Removal of bacteria from municipal sludge and other pollutants	The Cement Industries participated in competition of IconSWM-CE Excellence Award will make presentation each 8	Vallem. Asha, M. Sankari, India. A_195: Recent Development In Advanced Technologies for Sustainable Water Management Keynote	➤ Delivery by Experts ➤ Panellists will comment on various aspects of New 3R		Hyeong-Jin Choi, Yong Choi, Seung-Whee Rhee, Republic of Korea A_172: New Implementation Plan of Plastic Packaging

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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 International Partnership for Expanding Waste Management Services of Local Authorities (IPLA)

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

	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
	from water using organic enzyme and biodegradative process.	minutes				Waste Circular Economy for in Korea (Republic of Korea)
3.	Keynote Industry: Mr. Kaushik Palicha , MD, Ramchandran & Co., India S. Harinipriya, KPalicha, India F_221: Waste to Energy –A closed loop operation towards circular economy and Innovation: How New Tech can help tackle waste issues	Presentation by Reddypalayam Cement Plant	T. Ajitkumar, C. Sravan, T. Jyothi, Ch. Sailu, V.V. Basava Rao, India A_78: Studies On Degradation Of Textile Dyes In Wastewater Using Immobilized Photocatalyst In A Continuous Process. (Online presentation)	➤ Delivery by Experts Panellists will comment on various aspects of New 3R	Andrei Pinihin, PA "Green Economy", Belarus – Circular economy agenda in the Republic of Belarus.	Maryam Ebrahimzadeh Sarvestani and Francesco Di Maria, Italy F_01: Life Cycle Environmental Assessment of MSW to Energy Technologies: A review study. (Online presentation)
4.	Keynote: Antara Seal (Join in person) , Bera R, Datta A, Bose S, Barik A.K, Mallick R, Das A, Ganguli M, Narasimhan V.L and Quah E, India & UK (12 Minutes) A_266: Establishment	Presentation by ACC Wadi Cement Plant	Asha P Tom, India A_108: Sustainable Technological Advancements for Dairy Waste Water Treatment-A Review	➤	Maria Liubarskaia, D.Yaroslavtsev, S. Pazhitnov S. Russia , - "Phone Application as a Tool to Increase Public Awareness and Efficiency of Recycling".	E. de la Torre, C. Ron, S. Espinoza, A. Guevara, Ecuador A_225: Electronic waste is a new "urban mine" to recover rare earths and precious metals (Online presentation)

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	of an Innovative Model for Safe & Effective Management of Landfill Waste that can generate Sustainability Imprints in Agriculture, Ecology & Economics - a barometer for Circular Economy					
5.		Other Cement Plants yet to confirm	V. Davamani, R. Kalaiyazhagi, E. Parameswari, P. Kalaiselvi, M. Maheswari, India A_56: Impacts of treated paper mill effluent on soil quality and Radish crop productivity		Olga Golub, Environmental Industrial Policy Centre, Russia, - Nature-Based Solutions.	Yueying Xu, Raymond P. Cote, Zhe Liu, China & Canada A_40: GHG emissions mitigation through integrated municipal waste management schemes in China: A case study of “zero waste” cities
6.			A_156: Water and Wastewater Separation & Purification Treatments: A Review on Alternatives and Synergies between Technologies in a Circular Economy Framework		Representative of the Kazakh Republic – “Green Economy in Kazakhstan – the main challenge for the existing problems in ecological sphere.”	Mehmet Sinan Bilgili, Ebru Akkaya, GüledaEngin, Ahmet Demir, Turkey A_41: On the Way to Circular Economy: Turkey’s Waste Management and Zero Waste Project

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7.			P. Sri Chandana ¹ , V. Padmaja, Y. Chandrasekhar, L. Subramanyam Sarma, India A_96: Graphene-oxide for the removal of pharmaceuticals from wastewater		Representative of the UNIDO ITPO in Russia – Best Environmental Practice technology transfer as the main accent for the cooperation.	Mervat L Hoz, Lebanon ; A_332: Post-consumer plastic waste treatment technologies for environmental sustainability and circular economy
8.			Anjan Kumar D C, India . A_115: Rejuvenation and Restoration of Yediyur Lake in Bangalore – Best Practice			
			V. A. Suryalekshmi, K. Haritha, M.K. Akhina, B. Krishnakumar, India A_218: Effect of Chlorination on Residual Pathogenic Bacterial load and their Antibiotic Resistance Pattern in a Full- Scale STP Treated Water.			
4.00 – 4.20 pm	Tea/ Coffee Break		Tea/ Coffee Break		Tea/ Coffee Break	
	Day 1 : 2 ND Session		Day 1 : 2 ND Session		Day 1: 2 ND Session	

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	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
DAY 1: 30.11.2022 4.20 – 6.00 pm	PS-2: Plenary Session on Industrial Waste Management(on-site Presentation)	TS-2: Smart City, Solid Waste and Circular Economy	TS-3: Energy Recovery from Waste (on-site Presentation)	SS-4: UNCRD Special Session: 2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034)	TS-4: Liquid Waste Management - I (on-site Presentation)	SS-5: Special Session – WM & CE in East European countries (Hybrid Presentation)
Senate Hall [Click here to join] SS: Special Session on SWM in AP by Principal Secretary (UD) in Senate Hall (On site Presentation)	Chair: Sudhir Kumar, Advisor, Niti Ayog, Co-Chair: Each Speech 15 minutes	Chair: Dr. Antara Seal, Inhana Co-Chair: Mr. Harish M, CMAK, Bangalore Each Speech 10 minutes	Chair: Prof V Diwakar Reddy, Dept of Mech Engg Co-Chair: Dr Rajasekhar Dept of Zoology Each Speech 10 minutes	Chair: Mr. PAK Sokharavuth, DG, MoE-Cambodia (tbc) Moderator: Mr. C R C Mohanty, UNCRD DSDG/UN DESA, Japan	Chair: M. Rafizul, Bangladesh Co-Chair: Each Speech 10 minutes	Chair: Prof. M. Bilgili, Turkey Co-Chair: Dr. N. Dzebisashvili, Georgia Each Speech 12 minutes Online Presentations
1.	Keynote Speech: Mr M. Divis Rao, Director, Divis Laboratories, India Circular Economy in Pharmaceutical Industries	Dharani S, Hemaanand Murugan, Dineshkumar M. India. A_278: The Importance of Augmenting Data Analytics In Sustainable Water Management and purification for Smart Cities	Aayush Desai, Arwa Tunkiwala, Simran Andrade, India A_98: Assessment of Efficiency of Multiple effect Evaporator and Analysis of alternative methods	Rapporteur: Dr. K. Singh, India Dr. Anupam Khajuria, UNCRD-DSDG/UN DESA (On Site & Virtual presentation) Detailed Program in Annexure I A & B	Keynote: Tapas K. Das, Papita Das, USA A_19: Advanced Water and Wastewater Treatments: Water Reclamation Technologies for Beneficial Reuse and Recycling toward a Circular Economy	Keynote: Mehmet Sinan Bilgili, Ebru Akkaya, Güleda Engin, Ahmet Demir, Istanbul, Türkiye; On the Way to Circular Economy: Turkey's Waste Management and Zero Waste Project (15 minutes)
2.	Dr. P. Venkateswaran, Sri City P. Ltd., India A_309: Circular Economy: Ket to Productivity,	I Saha, A Kundu, S K Ghosh,R. Dasgupta. India. A_290: A case study investigation implementing circular economy in sustainable business	Hemanth Kumar K.J, B S Gowda, Jyothi Lakshmi R, N.R Banapurmath, India. A_26: Performance of dual fuel engine powered with producer gas derived from sugar cane bagasse	➤ Delivery by Experts ➤ Panellists will comment on various aspects of New 3R	G.R. Manyula, P. Akhila Swathantra, India A_241: Soil Bio-Technology for the Treatment of Domestic Waste Water: A Review	Keynote: Maka Jishkariani, Maia Pitskhelauri, Georgia. A_53: A Paradigm Shift in Energy and Waste Management (15 minutes)

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	Sustainability and Climate Change Mitigation- Case Studies from Industrial Park	model of Indian industrial sector	and diesel injection			
3.	AP Pollution Control Board	Ashish Sharma, Rwitabrata Mallick, Kuldeep Dwivedi, Anjali S Patil. India . A_21: Accessibility Assessment of Smart City Gwalior in Madhya Pradesh	B S K Reddy, A Chepuri, S Jagadish Sai, India A_50: A Bibliographic Analysis of Low-Embodied-Energy Substitutes for Commonly Used Construction Materials		Venkatalakshmi Jakka, A Goswami, S. Sengupta, India A_240: Adsorption of Saffranine-O by using PVA/Nanoclay film as an adsorbent	Giorgi Berechikidze, Giorgi Mamadashvili, Georgia . A_219: Study of the Invasive pest – Box tree moth (Cydalima perspectalis) and its Natural enemies in some regions of western Georgia. (Online)
4.	Presentation by Amara Raja Batteries Ltd., Tirupati	Ritu Raj Kaur; Gursharan Kaur. India . A_74: Waste Management in Smart Cities of India- Issues and Challenges	H. Fathima, J. Naresh Kumar, K. Jagadeeshwaran, R.M Neshika Premi, Kirubakaran V, India . A_103: Auto gasification kinematics of tamarindus indica for sustainable energy sources. (Online presentation)		V Buragadda, E Reddy Orekanti, V Yadav, G., R Reddy, L., Abilash, G., Siva Kumar, B. India . A_233: Effect of Domestic Sewage on Groundwater at Kuchivaripalli: A Case Study	Keynote: Liana Kartvelishvili, Lashari Kurdashvili, Georgia A_193: Regulations of snow cover change at Georgian winter resorts on the base climate change (Online)
5.	Presentation by Hero Motors	Each Presentation: 5 Mins. R. P Naik, Commissioner Karwar Municipal Corporation, Topic: SWM initiatives in Karwar Nikitha I B, Env. Engr.,	Aich A1, Ghosh S K, India . A_205: Hydrogen Energy Production Potential in Food Waste in India		Jiffin Sam, V.R Vaishna, Rothish R. Nair, K.P. Prathish, India A_227: Chromate remediation from water resources using calcined friedel's salt - A step towards	Grigor Tatishvili, Natela Dzebisashvili, Elizbar Suramelashvili, Georgia A_200: Primary Development of the Method for Obtaining the Carbon Material from Polymer Waste

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		Tumkur City Corporation(TCC) Topic: Integrated SWM inTumkur			circular economy in waste management	(Online)
6.		Nagendra V. Gaonkar Env Engr, TMC, Maddur Topic : Decentralised SWM Tahera Tasneem, Env. Engineer, Tarikere ; Topic: Best practices adopted at TMC Tarikere	S K Das, S K Ghosh. India. A_284: Thermodynamic modelling of Gas Turbine Plant integrated with Biomass Pyrolysis System		Avinash, Harish Singh Kanwar, Ashish Kumar, Rishi Rana, India F_34: Efficacy of IoT IN wastewater. (Online presentation)	Saniya Ustuna, Ebru Akkaya. Turkey . A_307: Circular Economy for Developed and Developing Countries (Online)
7.		Nayana AEE HDMC Effective Secondary Storage & Transportation of MSW : Establishment of Secondary Compactor Stations in Hubli Dharwad twin cities B R Sowmya, Asst. Exc. Engr, CMC, Madanayakannahalli, Innovation methos adopted for SWM in TMC Madhugiri	Rahul Baidya, Sadhan Kumar Ghosh. India A_315: Industrial Waste Utilization for Cement Manufacturing		T Sai Prafulla, A Spoorthy, N Pradeep, T. Jyothi, India A_87: Design Of Microbial Fuel Cell For Waste Water Treatment And Power Generation. (Online presentation)	Nona Tchalidze, Darejan Dughashvili, Maka Mdinardze, Nino Khevsuriani, Mariam Gordadze, Grigor Tatishvili, Zurab Tskitishvili. Georgia , Assessment of the Food Contact Polymeric Materials and Their Waste in Georgia and Ranking of Hazards Related to Human Health and Environment
8.		Amr Abdelghany, S.T. El-Sheltawy, M.M.K. Fouad, Eslam G. Al-Sakkari, Ahmed A. Refaat. Egypt . F_177: Characterization of Municipal Solid Waste	Sudakhar G, Abraham, T Damotharan, India . F_299: Waste to energy is a solution for municipal solid waste management and for sustainable development present and future		L. Partha Praveen, N. Munilakshmi, M. Srimurali, India . F_223: Assessment of Physico-Chemical Characteristics of Water During Ganesh Idol	Keynote: Nugzari Buachidze, E. Shubladze , Georgia ; Remediation of Illegal Landfills Using Georgian Sorbent - Zeolite

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		Generated in Some Egyptian Cities(Online)			Immersion at Vinayaka Sagar Lake, Tirupati	
9.		YueyingXua, Raymond P. Coteb, ZheLiua,b. Canada. A_277: GHG emissions mitigation through integrated MSW schemes in China: Case study of "zero waste" cities(Online)	Ashok G Matani, India A_36: Innovative strategies in utilizing solar radiation in corrosion removal maintenance techniques towards environment protection		K Rajesh Kumar, Ch. Pravin, Nagaraju, India F_145: Challenges of Water Pollution in Urban Areas In Andhra Pradesh.	Tsisana Basilashvili, Georgia . A_44: Forest Cover – for Climate Change, Biosphere and Environment Security. (Online)
10.		S. Renuka Devi, P. Bhulakshmi, B. Kishori, India. A_131: Production Of Protease Using Food Wastes: Food Waste Hari Prasad Agarwal, India A_76: Circular Economy through Urban farming in Indian cities (Online presentation)	Dipin Nath R S, Akshay Shende, Krishnakumar B, India A_308: Controlled Anaerobic Digestion of Waste Banana Psuedostem for Recovering Natural Fibre, Biogas and Soil Conditioner		V.R Vaishna, JiffinSam, K..P. Prathish, India A_238: Effective utilization of nutmeg fruit rind waste for Cr (VI) removal from industrial wastewater	Grigor Tatishvili, Darejan Dughashvili, Nona Tchalidze, Elizbar Suramelashvili, Giorgi Berechikidze, Georgia ; Treatment of Wastewater with Carbon Materials, Produced on the Basis of Waste, from Nitrogen Forms for Further Use in the Agricultural Sector
	5 Presentations	9 presentations	10 presentations		10 presentations	10 presentations
6.30 – 7.15 pm	Cultural Program at Auditorium, SVU					
7.30 – 9.30 pm	Reception Dinner at VC's Bungalow in SVU					

12th International Conference on Sustainable Waste Management & Circular Economy & IPLA Global Forum 2022; 12thIconSWM-CE & IPLA Global Forum 2022

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	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
Day 2 - Thursday :01.12.2022	Day 2 : 9.30 to 11.30 am: Inaugural Programme at Auditorium (Click to Join)					
	9.30 am: Reception of the Guests followed by the Prayer					
	9:40 am – Welcome address by Guest of Honour: Prof. K. Raja Reddy, Vice Chancellor, SVU & Chairman, 12 th Icon SWM–CE & IPLA GF 2022,					
	9:50 am – Address on Theme & objectives – Prof. Sadhan K Ghosh, Founder & President, ISWMAW & Chairman, Icon SWM–CE & IPLA GF, Kolkata					
	10:00 am – Speech: Mr C R C Mohanty, UNCRD, & Co-Chair, Icon SWM–CE & IPLA GF, Japan					
	10:10 am – Speech: Special Guest, Mr. R. Sannareddy, Managing Director, Sri City Pvt Ltd., Tirupati					
	10.20 am – Releasing the Proceedings Book 12 th Icon SWM–CE & IPLA Global Forum 2022 and Announcement to publish the Journal of the Solid Waste Technology and Management by ISWMAW & Widener University, USA					
	10:30 am – Speech: Prof V Srikanth Reddy, Rector SVU					
	10.35 am – IconSWM-CE Excellence Award for industries and others: by Hon’ble, Minister. EF&CC, Govt. of AP and the President ISWMAW					
	10:40 am – Speech: Prof R V S. Satyanarayana, Principal, SVU College of Engineering,					
	10.45 am – Speech: Prof O. Md. Hussain, Registrar, SVU					
	10.50 am – Speech: Prof. M. Nelles, Rostock University; Co-Chair, Icon SWM–CE & IPLA GF, Germany;					
	10.55 am – Inaugural speech: Dr. Peddi Reddy Ramachandra Reddy, Hon’ble Minister of Energy, Forest, Environment, Science & Technology, Mines & Geology. Govt of AP					
	11.15 am – Felicitations of the Sponsors & Partners, PCB officers & Coordinators- SVU & ISWMAW					
	11.25am –Announcement of the 13 th IconSWM-CE & IPLA Global Forum 2023 by Team from KJSIM, Mumbai					
	11.25am – Presidential address by Prof. Sadhan K Ghosh, Founder & President, ISWMAW					
	11:30am – Vote of Thanks by Prof. Varadarajan, Convenor, 12 th Icon SWM–CE & IPLA Global Forum 2022					

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International Society of Waste Management, Air and Water



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11.30- 11.45 am	Tea/coffee Break					
Day 2: 01.12.2022 - Thursday 12.00 – 1.30 pm	SS-8 : IGES-CCET Special Session: Policies & the Practices on Education for Sustainable Dev. & Env. Education in Asian countries (Hybrid presentation)	SS-6: GIZ Special Session on MSW - organic waste management; (on site presentation)	SS-10: Special Session: Microplastics and Marine Littering (Hybrid presentation)	SS-11: UNCRD Special Session:2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034)	TS-9: Tech. Session: SWM Recycling and Valorisation	TS-10: Tech. Session: E-Waste Management & Recycling (Hybrid Presentation)
Senate Hall (Click to Join) SS-9: Bio Medical Waste Management -1 Chairman: Dr. K. Nagaraju, SPW Medical College, TPT Co- Chairmen: Dr. S. Madan Mohan Reddy , President APNA, Tirupati(Dt) Dr. E.R. Hari Krishna , President IMA Tirupati Branch Dr. Subhash , Department of Pharmacology SVIMS. Judges: Dr.DaggumatiSree Hari	Moderators: Prof. Masahisa Sato, Tokyo City University, Japan Opening Remarks: Professor. SADHAN K Ghosh, President, International Society of Waste Management, Air and Water	Chair: Mr Sourabh Manuja, GIZ. Co-Chair: Mr K.Y. Babu, GIZ Aviral Saxena, Carla Rossitto Nadal, Sourabh Manuja, Pranab Mitra, India. A_236: Assessment of current practices and suggestive suitable option for Management of Fish waste & Fish processing waste in the city of Port Blair	Chair: Prof. S. Babel, Thailand Co-Chair: Prof. E. V. Ramasamy, India Agamuthu Pariatamby Malaysia A_150: A comprehensive perspective of the pervasiveness of microplastic in the marine environment	Chair: Mr. PAK Sokharavuth, DG, MoE-Cambodia (tbc) Moderator: Mr. C R C Mohanty, UNCRD DSDG/ UN DESA, Japan Rapporteur: Dr. K. Singh, India Dr. Anupam Khajuria, UNCRD-DSDG/UN DESA(On Site & Virtual presentation) Detailed Program in Annexure I A & B in www.iswmaw.com	Chair: Prof T. Damodaram, Dept of Env Sci, SVU Co-Chair: Dr G. Narasimha Dept of Virology, SVU AsmitaBasu, Aditya Dhar, Satyendra Nath Chakrabarty, Sarbani Mitra, Krishna M Agrawal. India. A_84: Operationalizing Circular Economy: Lead Recovery & Recycling Units. (Online presentation)	Chair: Prof B Anuradha, Dept of ECE, SVU Co-Chair: Prof T Ramashree, Dept of ECE, SVU Keynote speech: H. Aldoori, Z. Boubberka, A. Nadim, Y. Agguine, S. Eddarir, P. Supiot, C. Foissac, U. Maschke, France. (Online) A_253: Plastics recycling from WEEE: Photodegradation of Decabromo Diphenyl Ether Flame Retardant in Poly (Acrylonitrile Butadiene

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	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]	Hall 3- 100 [Click to join]	Hall 4 -200 [Click to join]	Hall 5-222 [Click to join]	Hall 6- 232 [Click to join]
<p>Rao, Immediate Past Chairman IMA AMS HQ, IMA National Vice President Elect. Dr. K.H. Vasudeva Naidu, Professor of Microbiology, Santharam Medical College, Nandhyal, AP.</p>	<p>Panelists: Ms. Nadeeka Amarasinghe Assistant Director, Sustainable Development Council of Sri Lanka</p>	<p>Datta A, Bera R, Bose S, Dutta, S. Mukherjee K, Goswami K.K, et al, UK A_31: Induction of Novcom Compost Technology for Highest GHG Mitigation under 'WIE Program': Case Study from IBM-IORF Sustainability Accelerator Project, WB, India</p>	<p>Pawena Limpiteeprakan, Thailand A_140: The abundance of microplastic in the river of UbonRatchathani, Thailand</p>	<p>➤ Delivery by Experts Panelists will comment on various aspects of New 3R</p>	<p>Harish M, India. A_118: Scrapping of Old Motor Vehicles: A Case Study of Bangalore City</p>	<p>Styrene) (ABS) Jyoti Giri , HJoshi , M Adhikari, D Tamang, G Shah, PPanjiyar, R. Adhikari, Nepal A_184: The Aspect of Recovery for Different Valued Elements Present in E-waste by Chemical Procedures. (Online presentation)</p>
<p>Guest Talk: D. S. Sujith Kumar, Research Waste and Biomedical Research</p>	<p>Mr. Wangchuk, Curriculum Developer for Sc. & Env. Sc, Ministry of Education, Bhutan: Present the country experience in Bhutan</p>	<p>Tapasi Polley, Soumyajit Das, Prarana Tarway, Monika Rajput, India. A_134: Enriching Soil Health through Organic WM: Evidence from Amrit Krishi Farming Model</p>	<p>E. V. Ramasamy, India. A_153: Microplastics in the Water and Sediment samples of Cochin estuary: A tropical estuary in Kerala, India</p>		<p>V. Lokeswari, India A_143: Wellbeing Out of Waste – To Protect of our Environment through Recycling of Waste</p>	<p>R.K, Suvarnalatha Devi Potireddy, M. N Devamma, India A_298: Bioengineered microorganisms for e-waste bioremediation: Waypoints, Challenges, and Future Direction-A Critical Review.</p>
<p>R S Deekala, N PPatak, C Vallepalli, K Nagaraj, K R Subash, India. A_255: E-waste: An Emerging Child Health Hazard</p>	<p>Dr. Nguyen Phuong Thao, HaNoi National University of Education, Vietnam: Present the country experience in Vietnam</p>	<p>Sourabh Manuja1*, Vaishali Nandan, India. A_247: Method of Municipal Solid Waste Characterisation and Its Importance in Waste Management – A Case Study of Kanpur</p>	<p>Emilie Strady, France (video recording) A_149: Monitoring microplastic in aquatic environment at national scale: a Vietnam study case</p>		<p>Rajarshi Chakraborty, A. Bhattacharjee, S.Baul, A. Pradhan, India A_187: Review of Processes of Solid Waste Management & Cost Effectiveness of Recycling & Producing Energy</p>	<p>Shetty Sai Dinesh, India A_60: E-Waste Management in India: Current Status of the E-waste Disposal, Challenges and Futuristic Strategy'</p>
<p>Visweswara Rao Guthi, D S Sujith Kumar, K. Nagaraj, K R Subhash, S.Varadarajan,</p>	<p>Ms. Miwa Tatsuno, Programme Coordinator,</p>	<p>Vicky Shettigondahalli Ekanthalu, Satyanarayana Narra, Haniyeh Jalalipour,</p>	<p>Gail Krantzberg, Canada (video recording) A_152: Plastic Pollution in Fresh</p>		<p>Rahul Chakraborty, Misha Roy, Krishna M Agrawal, Satyendra Nath</p>	<p>D.Dimri, D. P.Uniyal, M. Singh Rawat, R.Dobhal, B. Sharma, India</p>

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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India. A_137: Determinants of access to improved drinking water source and sanitation facilities towards achieving SDG-6 in India: Results from National family health survey-5 :2019-21	IGES Centre Collaborating with UNEP on Environmental Technologies (CCET), Japan	Edward Antwi, Vidhi Singh, Mona-Maria Narra, Michael Nelles, Germany F_128: Review of the existing organic waste management situation in Kerala	Waters: sources, effects, and policy responses		Chakrabarty, India A_91: Recycling Potential of Used & Waste Oil – Approach towards Circular Economy for Hazardous Waste Management	A_04: Present Status of E-waste management and minimization practices in Dehradun and Rudraprayag districts in Uttarakhand, West Himalayan Region
Prathyusha T. V. D, Siva Kumar Vulava, Chandrasekhar Valleppalli, N. Ramakrishna, K.R. Subash, Kondagunta Nagaraj, India. A_254: BWM: Past, Present and Future		D.Molognoni, Pau López Martí, David Moyano Domínguez, Pau Bosch-Jimenez, Eduard Borràs, Spain. A_157: Bio Electrochemically-Improved AD for Ind. Wastewater Valorization: from Laboratory to Pilot-Scale	Atsuhiko ISOBE, Japan. A_151: Recent advances of ocean plastic studies and future perspective		Priyanka K M., Pooja R., Arunprasath S., Joshua Jayanth C., Ahamed Fahim A. Kirubakaran V., India A_102: Recycling of disposed solar pv panels to recover pure silicon and other material	Shelly De (Pandit) Dipankar Dey, India A_10: Perception of Households Towards E-Wastes – A Study of Kolkata
G. Sai Sravanth, India A_66: Role of 3R's in managing waste during COVID Pandemic		K. Kumar, C. Grzegorz, S. H. Mohammedl, A. Ziembinska-Buczynska, J. Surmacz-Górska, Poland. A_201: Process optimization for methane production from organic wastes using AD	Makoto Tsukiji, UNEP Project Coordinator, Thailand, A_148: High Rish Plastic Product leaked as microplastic in water ways in the Mekong Region. (Online presentation)		S. Mufeed, A. Sreenivasulu Reddy, B. Guru Prasad, India A_213: Automobiles Scrap Management	Sarada Meduri, Sunitha Kanipakam, India. A_130: E-Waste and its impact on Soil
K. Sujana, India A_104: A review on Hospital waste management in Indian Cities		Akhina M K, Haritha K, Dipin Nath R S, Krishnakumar B, India. A_232: Bio-Methanation Potential Of Anaerobic Sludge Under Different Storage Conditions	Priyanka. M, Saravanakumar. M.P, Vellore, India; A_325: Degradation behavior of microplastics under different environmental conditions (10 minutes)		P. Jeevana Lakshmi, K. Gnaneswari, K. Pavana Jyotsna, T. Sumathi. India. A_82: Valorization of keratin-rich hair waste and evaluation of degradation methods – A Review	Dola Sanjay S, S Varadarajan, B Kalyan Kumar, India A_206: E-waste: e-Kraft
P N Krishna, D S Sujith		Michael Nelles, Gert	Seethulakshmi. A.G,		K.V.V. Raju, Mohana Vamsi	P. Manoj Kumar, B. Guru

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Kumar, K Nagaraj, G Visweswara Rao, India A_120: Radioactive Waste Management Practices in Hospitals in India: A Quasi-systematic review		Morscheck, Satya Narra, Abdallah Nassour, Germany A_27: sustainable energy recovery of organic waste and residues in Germany	Saravanakumar. M. P, Vellore, India; A_326: Study on adsorption of heavy metals onto microplastics (10 minutes)		Tamirisa, India. F_23: A Study on Factors Influencing Financial Innovation in Indian Stock Market	Prasad, A. Sreenivasulu Reddy, India A_212: Management of E-Waste in Tirupati
M.Nagarjuna, G.Visweswara Rao, D.S.Sujith Kumar, K.Nagaraj. India A_135: Households with access to clean fuels for cooking and associated factors towards achieving SDGs in India: Insights from National Family Health Survey-5 (2019-21)					K.V.V. Raju, M. Sri Lakshmi Harshini. India. F_25: Sources for startup financial funding / exploratory research	Ashishkumar R. Kale, Deepshikha Datta ² , Bimal Das, India. A_107: E-Waste utilization from waste printed circuit board as reinforcing filler for property enhancement of PPVC separated from waste wire (Online presentation)
I.Chaithanya, G. Siva Praveena, India A_65: Morbidity and Community Based Studies on public Health Workers A Case Study of Greater Visakhapatnam						
Debatree Mukherjee, Pooja Nandi, India: A_244: A comparative study on the disposal of sanitary pads by rural and semi urban women in Hoogly district WB, India.						
	6 PRESENTATION	10 PRESENTATIONS	10 PRESENTATIONS		11 PRESENTATION	10 PRESENTATIONS

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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1.15 – 2.30 pm	Lunch Break	Lunch Break		Lunch Break	Lunch Break	Lunch Break
Day 2:01.12.2022 - Thursday 2.30 – 3.45 pm	SS-12: Industrial resource Efficiency, WM& Circular Economy in Sri City P. Ltd.	SS 16: Panel Discussion: How European Countries management WM & CE (Hybrid Presentation)	SS-13: Special Session – WM & CE in Philippines & Other Island Countries (Online presentation)	SS-14: UNCRD Special Session:2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034)	TS-12: Liquid Waste Management - III(On line)	TS-13:Plastic Waste and End-of-Life of Vehicle waste management
	Chair: Dr. P. Venkateswaran, Sri City P. Ltd, India Co-chair:	Moderator: Mona-Maria Narra, University of Rostock, Germany	Chair: Dr.LynleiPintor, Philippines Co-Chair: Dr. Aries, Philippines	Chair: Mr. PAK Sokharavuth, DG, MoE-Cambodia (tbc) Moderator: Mr. C R C Mohanty, UNCRD DSDG/ UN DESA, Japan	Chair: Prof. Tapas K Das, USA Co-chair: Dr. Muni Lakshmi, SVU, India	Chair: Prof S Varadarajan Dept of ECE, SVU Co-chair: Dr N Sarathbabu Dept of Ch. Engg.
1.	Mr. Dhiraj Santdasani, Associate, Niti Ayog, India Circular Economy & Waste Management Initiatives in India (Online)	Gert Morscheck, Short introduction of the current legislation and situation of waste management in the European Union	Opening Speech: Prof. Albert O. Naperi, President, Central Bicol State University of Agriculture, Philippines	Rapporteur: Dr. K. Singh, India Dr. Anupam Khajuria, UNCRD-DSDG/UN DESA(On Site & Virtual presentation) Detailed Program in Annexure I A & B in www.iswmaw.com	Invited speech: Isaac Fernandez, DaianeTrevisanRuwer, Spain A_158: Nature based solutions: enablers of the water circularity (Online)	Sadhan Kumar Ghosh, Barnika Das, India A_189: Ecotoxicological reaction in Plasticsphere & efficiencies of microorganisms to mitigate ocean plastic pollution & evolution of bioplastic

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2.	Mr. Prabhakaran and Mr., N.Gopalakrishnan, Isuzu Motors India Pvt Ltd. QC STORY approach for sustainable business	Volker Ludwig, Circular economy and waste management in Germany – Current situation and challenges (online)	Prof. Arlen A. Ancheta, Philippines, Zero Waste Initiatives in an Island Ecosystem: Siquijor Island, Philippines as Context	➤ Delivery by Experts Panellists will comment on various aspects of New 3R	invited speech: Rubén Rodríguez-Alegre, Julia Zapata-Jiménez, Laura Pérez, Carlos AndecocheaSaiz, Xialei You, Sonia Sanchis, Spain (Online)	GianlauroCasoli. Italy. A_210: The Environmental and Social Impact of Protein Engineering in building Nanomachines afterIdeonellaSakaiensis in order to Biodegrade PET
3.	Mr. V.Sureshbabu, Kellog Best Environmental Practises in FMCG.	Haniyeh Jalalipour, How young people can start a career in waste management in Europe (online)	Patricia Pedus, Micronesia. A_270: The Importance of Implementing 3Rs throughout the FSM		invited speech: Taifa Afrin Sarowary, M.F.R. Zuthi, Bangladesh A_20: Drinking water quality assessment of halishahar Thana in Chittagong city(Online)	B. Damodhara Reddy. M. Mohan Babu, S. ArunaJyothy N. Kiran Kumar, Gowtham, India. A_297: An Experimental study on reuse of plastic bottles as a building material in construction of buildings
4.	Presentation by World Scrap,	Brijesh Patel : Work opportunities in the waste sector between India and Germany (online)	Lynlei L. Pintor, Josel B. Godezano, Philippines A_306: Urban Waste Management Towards Circular Economy in the Philippines		Bedshruti Sen, Saptarshi Dutta, India A_114: Remediation of Coffee Wastewater Using Fenton Processes and Conventional Coagulation Methods: A Comparison(Online presentation)	Rajeshwari Halagalimath, Jyothilakshmi. R, Hemanth Kumar. K. J, B. Sadasive Gowda, S K Ghosh, India. F_22: A Study on Application of Nanocellulose from Sugarcane Bagasse Waste as Sustainable Biodegradable Packaging Material.
5.	Mr. Mayurri. P.K., Mondelez		RacquellLayco, A A. Ancheta, M N Z. Garcia, Maria R V Cobar-Garcia,		Sayantana Sarkar, Deepshikha Datta, Bimal	Smarajit Roy, UK. F_17: Effect of human health

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	Circular Economy and sustainability practises in a food industry.		Philippines, A_224: A Study on the Disaster Resiliency of Siquijor Island, Philippines. (Online presentation)		Das, India A_111: Comprehensive study of method optimization of re-refining spent lubricating oil (Online)	from marine littering
6.	Hero Motors Ltd.,		Miwa Tatsuno, Premakumara J.DickellaGamaralalage, Japan. A_30: Shifting toward Resource Management in Remote Area: A Case Study of Lake Toba, Indonesia:		M.M. Rahman, T. Jakia, Bangladesh A_105: An Assessment on Opportunities of Sewage Fed Aquaculture Practices in Bangladesh: Challenges and Way forward (Online)	Aviral Saxena, Carla Rossitto Nadal, Pranab Mitra, India. A_235: Assessment of current practice for disposal unwanted and broken fishing gear by Fisherman of Junglighat, Port Blair
7.	Panel Discussion: Ms. Sadhna Verma, Mondelez, Head HSE Mr. N.Gopala Krishnan, Isuzu Motors India Pvt Ltd. Dr M. P. Saravanakumar, VIT		Trisha J. Soliman, Ronel B. Hentalan, Philip N. Talay, Philippines A_12: Awareness, practices, and challenges of circular Economy in the sugarcane industry in camarines Sur, Philippines		Kamlenga, M. J, Olukanni, D.O, Alfa M. I., Nigeria A_112: Wastewater Treatment Technologies: A Review (Online)	Sheik Mufeed, A. Sreenivasulu Reddy, B. Guru Prasad. India A_292: Reusing Automobile Scrap to make Electric vehicles
8.			J. B. Plamiano, J. M. Eboña, Philippines, F_146: Design, construction & evaluation of floating vetiver island for agricultural wastewater treatment. (Online presentation)		B. Sarath Babu (to join in person), G. Yamini, India A_05: Removal of malachite green dye from aqueous Solution using lemon leaf powder as an adsorbent	

12th International Conference on Sustainable Waste Management & Circular Economy & IPLA Global Forum 2022; 12thIconSWM-CE & IPLA Global Forum 2022

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9.			Josel B. Godezano, L. L. Pintor, Philippines A_305: Waste Management Technologies Towards a Circular Economy in the Philippines		Suparna Bhattacharyya ¹ , Surya K. Pal, Sudipto Chakraborty, India. A_310: Heat Transfer Analysis of Coated Sample using Synthesized Wastewater	
10.						
	10 presentations		9 presentations	9 presentations	9 presentations	7 presentations
3.45 – 4.05 pm	Tea Break	Tea Break	Tea Break	Tea Break	Tea Break	Tea Break
Day 2:01.12.2022 - Thursday 4.05 – 6.00 pm	SS-15: UNCRD Special Session: 2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034)	TS-11: Tech. Session: Solid Waste Treatment, Management (On site Presentation)	TS-14: Technical Session on Policies & Strategies (Hybrid Presentation)	TS-15: Waste Management (On site Presentation)	TS- 16: C&D Waste Management: Swachh Bharat Performance	TS-17: Industrial Waste Management
1.	Chair: Mr. PAK Sokharavuth, DG, MoE-Cambodia (tbc) Moderator: Mr. C R C Mohanty, UNCRD DSDG/UN DESA, Japan	Chair: Prof Dola Sanjay Principal, Aditya Engg college, Kakinada. Co-Chair: Dr Rajini, Dept of MBA, Mahila Univ.	Chair: Prof. J. Kartikeyan, Tirupati Co-Chair: Dr. Kovacs Jozsef, Hungary	Chair: Dr. C. L. Venkatarao Co-Chair: Dr. P. Das Biswas, Director, Inhana	Chair: Co-Chair: Mr. Mukesh Dhiman, Ramky Reclamation & Recycling, N Delhi, India	Chair: Dr. P. Eswaranswaran, Sri City Co-Chair: Ms. Sashikala, APPCB
2.	Rapporteur: Dr. K. Singh, India Dr. Anupam Khajuria,	Nunna Venkata Mrunalini ¹ , B. Kishori, India A_183: Mini review on	Sunitha Kanipakam, India. A_185: Legislative processes in regulating Sustainable Waste	Surendranath, Prof. T. Damodharam, P. Bhanu Prakash, India	Vigneshkumar Devaraj, Vasudevan Mangottiri, SoundaraBalu, India.	SheebaJeswitha, Dilip Kumar Behara, India. A_09: Corrosion inhibition



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	UNCRD-DSDG/UN DESA(On Site & Virtual presentation) Detailed Program in Annexure I A& B	black soldier flies larvae to degrade	Management	A_324: U. Management of Agricultural - Domestic Waste In And Around Tirupati, Andhra Pradesh, India	A_68: Sustainable Approach for using M-Sand Slurry as a Controlled Low Strength Material. (Online presentation)	studies of mild steel in acidic solutions Using caesalpinia pulcherrima and albizialebeck plant Extracts
3.	➤ Delivery by Experts ➤ Panellists will comment on various aspects of New 3R	Bhojendra, V. Anitha, G. Anitha, S. Ameer basha, A. Vijay Kumar, K. Aparna, India. A_90: Nutritional composition and phytotoxic effect of different compost produced by black soldier fly larvae	Prasanta K. Mallick, India A_85: Waste Management in India: A Legislative Perspective	Saravanakumar. M.P, Vellore, India A_329: Valorization of sludge and its potential towards Circular Economy	B. Damodhara Reddy, N. Kiran Kumar, S. ArunaJyothy, C. Sashidhar, Adina Madhu, Bijay Kumar Pandit, D.S. Santhosh, GudiseSesha Reddy, Shaik Mohammed Asif, India. A_79: Study On Behaviour Of Pervious Concrete With Partial Replacement Of Cement By Silica Fume	Rahul Arya, Varsha Agrawal, Rini Paulose, Gaurav Rajak, Abhijit Bijanu, Deepti Mishra, Sunil Kumar Sanghi, Mohd. Akram Khan, Pada Mondal, Kaushik Banerjee, ShabiThankarajSalammal, India. A_38: Role of High Z Additive on the Gamma Ray Attenuation Characteristics of Red Mud Shield Blocks
4.		Kumuda.C, India A_116: Feasibility Study on Establishment of SwachhaGrahaKalika Kendra – A Case Study on HSR layout, Bangalore	Bedshruti Sen, India. A_113: Water Footprint Components and It's Assessment in Higher Educational Institutions – A Case Study in Kolkata, India(Onlin)	Deebik. P, Saravanakumar. M.P, Vellore, India A_328: Hydrogen generation from landfill leachate using waste material	SaikumarKonnoju, N. MuniLakshmi, India. F_161: Experimental Investigation on Triple Blended Concrete	V. Krishna Naik, India. A-72: Circular Economy Practices of Micro, Small and Medium Scale Industries from Solid Waste Management
5.		Bera R. Datta A ¹ ., Bose S, Barik A.K, Mallick R, Das A, Ganguli M, Narasimhan V.L, Quah E, Seal A. India.	Suwendu Mohanty, Swarup Paul, India. A_119: Generation of solid waste and proposed management strategy: A case study of Cuttack	Priyanka. K.M, Saravanakumar. M.P, Vellore, India A_327: Improving dewaterability of sludge using Advanced	Venkatesh Noolu, BijiVemula Sudheer Kumar Reddy, YeswanthPaluri, India A_202: A Study on Permanent Deformation	Aritro Sen, Riyanka Biswas, Satyendra Nath Chakrabartty, Sarbani Mitra, Krishna M Agrawal, India A_86: Benchmarking of the

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		A_06: Technological breakthrough for large scale bioconversion of coir pith, a highly soil and water Polluting material, huge GHG emitter with a very high GWP value, towards development of an effective GHG Offsetting Model	railway station. (Online presentation)	Oxidation processes (AOP's)	behavior of Natural and Recycled Aggregate pavement layers Using Laboratory Pavement Model Testing	Hazardous Wastes Generation in Galvanizing Sector. (Online presentation)
6.		Aich Debarshi, India . A_196: Green Energy Production Potential Onboard Cruise Ship from Food Waste	Shamim Hosen, Bangladesh , A_164: Importance of Evidence-based Policy Formulation on Waste Management in Bangladesh Current panorama of waste tire management and perspectives of environmental policy in Brazil	Ricky. R, Shanthakumar. S, Vellore, India A_330: Phycoremediation of ciprofloxacin and its effects on biochemical composition	Prakash Rao, India A_08: Assessing sustainability footprints and processes across a progressive University campus	Janaki Ramudu T. Suresh, C. Rama Charan Reddy, Ch. Sudha Rani, India A_123: Influence Of Ground Granulated Blast Furnace Slag And Bagasse Ash On Properties Of Expansive Soil
7.		Carla Rossitto Nadal, Aviral Saxena, Pranab Mitra, India. A_237: Assessment of Identified Hotspot Area for Point & Non-Point Sources of Solid Waste in Port Blair Municipal Council Area, Andaman and Nicobar Islands – A Study	Oluwadare Joshua OYEBODE, Nigeria . A_139: Advancing The Frontiers Waste Management In Nigeria: Challenges And Mitigation Strategies (Onlin)	A K Khare, M Sharma, Gaurav K Gupta, India . A_217: Study the thermal conductivity enhancing of organic phase change materials using Al wire woven Spiral structure for thermal energy Application	.Oluwadare Joshua OYEBODE, Nigeria . A_49: Construction Wastes Management In Nigeria: Challenges And Insights Into Circular Economy (Onlin)	E. Sanjeeva Rayudu, M. Srimurali, K. Mallikarjuna Rao, J. V. Gurumurthy, Civil Engineering Department, G. Pulla Reddy, India F_180: Studies on Engineering and Agricultural Physical Properties of Alkaline Soils using Industrial Wastes

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8.		Vicky ShettigondahalliEkanthalu, Satyanarayana Narra, Haniyeh Jalalipour, Edward Antwi, Vidhi Singh, Mona Maria Narra, Michael Nelles, Germany F_127: Review of the existing organic waste management situation in Andaman & Nicobar Island	OluwadareJoshuva OYEBODE, Nigeria A_138: Assessment Of Implementation Procedures & Policies For Efficient Wastewater Management(Onlin)		MadhusudanaReddy.B. India. A_303: Effect of Mercury Heavy Metal present in Mixing water on the High-Performance Cement Mortar	D.Mrudula, S.V. Satyanarayana, G .Narasimha. India. A_288: Isolation, characterization and dye decolorization studies of bacterial culture isolated from soil contaminated with Kalankari dye effluents
9.		Krishnapriya Nair, Kaushik Chandrasekhar, KiranmaySarma, India F_182: Gis Based Spatial Mapping Of Bulk Waste Generators In Panaji, Goa. (Online presentation)	BandaruDeekshithaa, S.V.Satyanarayanaa, J.SeshaSrinivasb, India District level Integrated Current Vulnerability Assessment for the State of Andhra Pradesh		Ishita De, Rahul Baidya, India. A_316: Construction & Demolition Waste Management Status in India	Sushma Lavudya, DheeravathBhagawan, Kiran Kumar Panga (join in person), ShakaraiahGolla, VurimindiHimabindu, India A_168: A hybrid sequential strategy for Pesticide Industrial Waste water treatment-A study
10.		Carla Rossitto Nadal, Aviral Saxena, Sourabh Manuja, Pranab Mitra, India. A_234: Solid waste characterization in the city of Port Blair for a	Jyothish Chandran. G, Babu KY, India A_136: Govt of Kerala's successful strategy for implementation of Poultry waste management		R. Dasgupta, S.K. Ghosh, A.R. Mukhopadhyay, I. Saha. India. A_155: A Strategy for Integrating the Management of Lean, Green, and Quality to Achieve Zed with a Focus on Sdg12.	Amani Abdelrahman, H.A. Sibak, Adly A. Hanna, Amr Abdelghany, Egypt F_178: Removal of Some Pollutants From Industrial Wastewater by Using Modified Clay

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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		sustainable Material Recovery Facility				
11.		Rukkesh Doddamani, India A_117: Solid Waste Management – Best Practice initiatives in Karnataka			S. kanchi, N.V.V K Togati, K. Mallikarjuna Rao A_323: An experimental study of performance of stone column filled with repurposing materials	T. Suresh, D. Janaki Ramudu, C. Ramacharan Reddy, Ch. Sudha Rani, India. A_125: Stabilization of an expansive soilwith combination of industrial wastes
12.		11 presentations			Ambavaram Venkata Sudha, N.V.Vamsi Krishna Togati, and K. Mallikarjuna Rao, India. A_248: Experimental exploration of single stone column with natural sand and crushed stone in soft bed	Akshay Singh Tomar, Rainy Gupta, Deepti Mishra, Archana Singh, ShabiThankarajSalammal, India A_35: Evaluation of Fly ash based geopolymeric coating material for corrosion protection of mild steel: a step toward waste utilization

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ISWMAW Collaborative Research Projects Meeting and USA & LATIN AMERICA						
	Hall 1 – 107 [Click to join]	Hall 2- 108 [Click to join]				
6.05 – 8.30 pm	Special Session-SS-18: Discussion: Collaborative Research Projects: Chairs: Prof. Sadhan K Ghosh, Among interested Indian and Foreign Universities, Research institutes and Industries (Synopsis of Proposal to be sent earlier for invitation) – To be conducted by Chairman, APSCHE; Vice Chancellor, SVU and President, ISWMAW in the Hall on 107.	PS-3: Plenary Session: Waste Management & Resource Efficiency in USA & Latin America (Online Presentation) in Hall 108				
1.		Chair: Prof. R. Mersky, USA; Co-Chair:Dr.LiseanePadilhaThives, Brazil				
2.		Hossein Rostami, USA; A_260: Permeable and Reactive Fly Ash Barrier to Remove Arsenic from Contaminated Water				
3.		Ronald L. Mersky, USA; A_256: Greenhouse Gas Efficiency of Yard Waste Management in USA				
4.		Gennaro Maffia, USA ; A_261: Plastic Trash to Monomers and Intermediates – PTMI				
5.		Anita Závodská, USA; A_257: Barry University's Green Efforts.(Online)				
6.		Gabriela Munoz-Melendez, Mexico ; A_174: Resource efficiency: A measure of Circular Economy?				
7.		Gisela Pelozo, Marta Caligaris, Nancy Quaranta Argentina.; A_259: Ceramic bricks incorporating agro-industrial wastes: influence of biomass characteristics.(Online)				
8.		Liseane Padilha Thives, Brazil.; A_258: Current panorama of waste tire management and perspectives of environmental policy in Brazil				
9.		Serpil Guran, New Jersey; A_321: MSW quantification study of New Jersey countries. (Online)				

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2.12.2022 – Day 3- Friday						
9.30 – 11.00 pm	TS-18: Technical session: Agriculture Waste (On site Presentation)	SS-19: Biomedical and Healthcare Waste Management -II (On site Presentation)	SS-20: Waste Management & Circular Economy in Australia and other Island Countries (Online Presentation)	TS-19: Climate Change & Air Pollution	SS-14: UNCRD Special Session:2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034)	TS-21: Recycling, Valorisation and Circular Economy (Hybrid Presentation)
	Chair: Prof. Sajjan Reddy, SVU Co-Chair:	Chairman – Dr Abhijith Choudhury, SVIMS University. Co- Chairmen - Dr. P.V. Madhushudhan Sharma, ENT Surgeon, APNA State President,	Chair: Prof. P. Kaparaju, & Co-Chair: Prof. S. Herat, Griffith University, Australia	Chair: Dr. A. K. Patra, Director, NARL, Tirupati Co-Chair: Dr. Sutripta Sarkar, ISWMAW	Chair: Mr. PAK Sokharavuth, DG, MoE-Cambodia (tbc) Moderator: Mr. C R C Mohanty, UNCRD DSDG/ UN DESA, Japan	Chair: Dr. C. L. Venkatarao, ISWMAW, Hyderabad, Co-Chair: Dr. Janaki Ramaiah, IIT Tirupati, India
1.	P. Ramanamma, K. Swetha, V. Rangaswamy, India. A_124: Effect of insecticides and fungicides on the soil population of fungi in groundnut (Arachis hypogaea L.) Cultivated soils of Anantapuramu District	Dr. P. Sreenivas, Anaesthetist APNA State General Secretary, Dr. Ramakrishna, Microbiology SVIMS. Judges: Dr. S. Appal Naidu, Rajiv Gandhi Institute of Medical Sciences (RIMS) Ongole., Dr P. Krishna Prasanthi, Physician, Chairperson, AP Chapter of Association of Physicians of India.	Tirthankar Mukherjee, Nilay Kumar Sarker, Prasad Kaparaju, Australia. A_16: Optimization of Biogas Purification employing High-Pressure Water Scrubbing (Online Online)	Osilaechuu, A. P., Odokuma O. E. Ota. A_14: The Environmental Engineer's Role In Preventing And Reducing Environmental Stressors	Rapporteur: Dr. K. Singh, India Dr. Anupam Khajuria, UNCRD-DSDG/UN DESA (On Site & Virtual presentation) Detailed Program in Annexure I A & B	R. Dasgupta, S.K.Ghosh, A.R. Mukhopadhyay. India. A_286: Sustainable Manufacturing through Recycling of Wastes in Primary Sector like Steel
2.	Chaitali Bose, Imana Pal, India. A_02: Green	Keynote Speech: Prof. Dr. B. Vengamma, Director cum VC, SVIMS,	ShubhamDilipSarode, Divya Joslin Mathias, Prasad Kaparaju, Australia.	CVallepalli; K Nagaraj, B.Vengamma; Anju D Ade1; S K Dondapati; R S Deekala; G V	➤ Delivery by Experts	Parul Dixit, Swarup Pal, India. A_88: Current Challenges

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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	Synthesis of Silver Nanoparticle from Agricultural-Food Waste	Tirupati, India (10 mins)	A_48: Bio-Methane generation from Silage Mixture and Cow Manure employing Anaerobic Digestion (Online)	Rao; K K Reddy, India . A_129: Indoor air pollution risk and its association with Socio-demographic characteristics of the Tribal Habitations in Chittoor District, AP, India	Panellists will comment on various aspects of New 3R	and Opportunities Of Circular Economy in Diverse Manufacturing Practices: A Review. (Online presentation)
3.	Imana Pal, India A_24: Agro-industrial Waste and Value-Added Recycling- An Extensive Review	R. Ram, B. Vengamma, R. Jayaprada, K. Koti Reddy, N. Ramakrishna, B. Venkataramana, S. Yamini, India . A_160: Evaluation of implementing NABH standards in relation to BMWM practices in a tertiary care teaching hospital from south India	Ms. Laisani Lewanavanua FIJI Island , Waste Management in FIJI Island (Online)	Patan Nazeera Begum, P. Brahmaji Rao, Mahesh Pathakoti, India A_159: Urbanization Induced Air Pollution: A Case Study on Hyderabad, Telangana		Haritha K, Akhina M K, Krishna Kumar B, India. A_231: Improving Anaerobic Digestion Of Stp Secondary Sludge Through Thermal Pre-Treatment And Co-Digestion
4.	V. Veerannachari, India . A_269: Agricultural Waste Management in India: A Senario	R. Jayaprada, B. Vengamma, R. Ram, . N. Ramakrishna, B. Venkataramana, S. Yamini, India A_162: Implementation and monitoring of BMW practices in a tertiary care teaching hospital from South India. (Online presentation)	Erika Conde-Espitia, Prasad Kaparaju, Australia . A_93: Comparison of methane yields of mill mud generated from the mud filter and clarifier underlay. (Online presentation)	Bedshruhi Sen, KP Paul, B Thakur, A Dutta, India A_163: Water Footprint Components And It's Assessment In Higher Educational Institutions – A Case Study In Kolkata, India (Online presentation)		A. L. Barrera, C. Binet, F. Dubois ² , P. A. Herbert, C. Foissac ¹ , P. Supiot, U. Maschke France . A_211: Recycling of Liquid Crystals from End-of-Life LCDs. (Online presentation)
5.	Rikhotso Netion Pie,	Anjan Kumar K, Anju D.	Mukesh Ghimire, Jong Roul Woo,	G. Vamshi Yadav S. Lavudya ,		Ahmed A. Refaat, Shakinz T.

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	KhosaMusah Comfrey, KhosaXikombiso, Mavunda Steven, South Africa. A_132: Biogas technology for sustainable rural development Integrated with Agricultural Farming in South Africa	Ade, V. Chandrashekhar, G V Rao, K Nagaraj, India. A_122: Awareness and Practices regarding Biomedical waste management among Sanitary staff (waste handlers) working in Tertiary Care Hospital	Nepal and Korea A_188: AD Based Waste Management Practices under PPP Frameworks in Nepal: Biogas for Creating Circular Economy and Promoting Energy Access. (Online presentation)	D. B. Naik , P. K. Kumar , V. Himabindu. India. A_169: MEE condensate treatment by Wet Air Oxidation-A study		E Sheltawy, Hanem A. Sebak, Amr Abdelghany, Egypt. F_181: Applying Circular Economy in the Nitrogenous Fertilizer Industry (Online)
6.	Sonali Roy Chowdhury. Sadhan K Ghosh, India. A_285: Energy Potential from Agricultural Waste in India	M. Sen, A. Das, J. Agarwal, V. Singh, P. Pandey, India A_51: SARS CoV-2 Pandemic: Challenges in the management of Biomedical Waste	Ms. Marina Keil, Samoa Island – Waste recycling in Samoa Islands. (Online)	Akhilesh Chepuri, Sudheer Kumar Reddy Bijivemul, Venkata Prasad Elluri, India. A_203: Impact Of Covid-19 Lockdown On Air Quality In Hyderabad		Venkataramanaiah Poli, Yenukolu Aparna, Ajayanath Reddy Bijjala, HaleemaBanafsha Shaik and Srinivasulu Reddy Motireddy. India A_302: Sustainability with Waste Management in a Circular Economy
7.	V. Veerannachari, T Konaiah, T. Damodharam, K. Abraham, India A_271: Sustainable agriculture and Env. in drought prone area: Case study in Rayalaseema	Ramya Madhuri Dara, K.Rukmini, Suvarnalatha Devi Potireddy. India. A_293: Bio Treatment Of Biomedical Wastes (Bmw), Covid-19 By Using Microbial Enzymes And Its Impact.	Divya Joslin Mathias, Rajinder Singh, Prasad Kaparaju, Australia. A_92: Sweet sorghum as an energy crop for biomethane production (Online)	K. K. Kumar, Anna Gnida, J. Surmacz-Górska, G. Narasimha, S. Sujatha. India. A_274: Development of biochar based magnetic photocatalyst for organic compound adsorption and photocatalysis		

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1.	V. Veerannachari, T Konaiah ² , T. Damodharam, K. Abraham, India A_271: Sustainable agriculture and Environmental in drought prone area: A Case study in Rayalaseema	Dr. P. Chandana, India A_95:A case study of Bio Medical Waste Management Practice in a Super specialty Hospital.	Fred Fuakilau, Fiji Energy management and recycling in FIJI(Online)	K. Usharani, S. M. Jameel Basha, B. Durga Prasad A_166: Utilization of carbon dioxide as refrigerant in commercial applications		
2.		P.V. Sudhakar, B. Ratnabhushan, India. A_204: BMW: A Study on Assessment of Knowledge, Attitude and Practices among Health Care Professionals in a Tertiary Care Teaching Hospital	Vigneshkumar Devaraj, Vasudevan Mangottiri, SoundaraBalu.India. A_294: Sustainable Approach for using M-Sand Slurry as a Controlled Low Strength Material			
3.			G Prasanna, G, Venkatesh Buragadda, E Reddy Orekantj], T K Maddileti, Bhargava Ram, B, Giridhar Sai, C. India; A_291: Influence of Waste Marble Dust and Glass Powder on Engineering Properties of Expansive Soils.			
	8 presentations	8 presentations	10 PRESENTATIONS	8 presentations		9 presentations

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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11.00–11.20 pm	Tea Break					
Day 3: 11.20 – 1.15 pm	SS-21:Resource Efficiency in Pharmaceutical Industry	SS-22: Biomedical & Healthcare Waste Management -III	SS-23: WM & Circular Economy in Africa	TS-22: Agriculture Waste Management	TS-23: SWM & Waste Utilisation	TS-24: Liquid Waste Management -IV
	Chair: Mr. M Divi Rao, India Co-Chair:	Chairman - Dr. Ravi S Wankedhar, Treasurer WMA. Past IMA National President.	Chair: Mr. C R C Mohanty, UNCRD, Japan Co-Chair: Prof. David Olukanni, Nigeria	Chair: Dr. Asit Aich, ISWMAW Co-Chair:	Chair: Mr. Senthilathipan Chetty, TSAK Metal, Malaysia Co-Chair: Dr. Aida Ben Hassen, Tunisia	Chair: Co-Chair: Dr. Munilakshmi
1	Mr. M Divi Rao, Director Projects, Divis Laboratory will train and appraise the pharmaceutical industries how waste generated in the pharmaceutical industries can be utilised as a business model.	Co- Chairmen- Dr.CipaiSubramnaym, Past State President IMA & APNA. Dr. G. Ravi Krishna, IMA State President Dr. C.S. Raju, IMA State Past President / Dr. P. Phanidhar, IMA State General Secretary	Keynote: Aya Ezz El-Din, S.T. El-Sheltawy, Amr Abdelghany, Egypt A_207: A Peek on Sustainable Municipal Solid Waste Management in Egypt	K. Pavana Jyotsna, T. Sumathi, P. Jeevana Lakshmi, India . A_81: Plant growth promotion by cellulolytic actinomycetes from the gut of earthworm from agricultural waste	Invited Speech: Anupam Khajuria, UNCRD, Japan , Advancing Circular Economy in Asia-Pacific – Achieving SDGs – Role of Regional 3R and Circular Economy Forum in Asia and the Pacific	Keynote : Gregor Biastoch, Thomas Haupt, Eckhard Kraft, Germany A_170: Applied Transition as a conceptual approach to overcome waste and wastewater mismanagement
2	Pharmaceutical industries will attend the session	Keynote: Dr. Ravi S Wankedhar, Treasurer World Medical Association. Past IMA National President.	Keynote: Revocatus L. Machunda, Francis Moyo, Hans C. Komakech, Tanzania ; A_331: Access to Safely Managed Sanitation in Emerging Towns in Tanzania: Challenges and	Reddy Swetha Harini, PotireddySuvarnalatha Devi, M.Rajaswi Devi, T.Sweta Tejaswi, India . A_70/296: Bioprocessing OffFruit Vegetable Waste Into	P. Nongkling, H. Swer, W. Kharmawphlang, A.J. langrai, M.D. Wanswett, S.K. Ghosh, India A_199: Preliminary study on waste management and	Keynote : Md. M Nabi, Q Hamidul Bari Islam M. Rafizul, Bangladesh . A_268: Adsorption Of Ammonium From Municipal Wastewater With Natural



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			opportunities	Commercial Bioproducts and Bio Commodities	segregation at Synod College, Shillong, Meghalaya	Zeolite Coupled With Regeneration
3		Dinesh Thakre, India . A_ : Segregation of Hospital/ Biomedical waste with reference the rules of CPCB 2016 & amendments.	Keynote: N Nath, SChakraborty, N Golla, J Khatoon Adam, Suresh Babu Naidu Krishna, South Africa . A_63: Recent Developments and Trends in Silver Nanoparticles for Biomedical Applications	Invited Speech: Narasimha Golla, India A_322: Biosynthesis of silver nanoparticles and their potential Antimicrobial and Biocatalytic properties	Amalendu Chatterjee, India A_97: Kolkata Municipal Corporation and Solid Waste Management System	Visweswara Rao Guthi, D S Sujith Kumar, K. Nagaraj, K
4		Jayakrishnan.A.V. India . A_280: Common biomedical treatment plants and its cost benefits-	Lindiwe Chuma, South Africa A_245: Overview of Community waste Impacts in the Kruger National Park	JenelynBayrantePlamiano, Jennifer M. Eboñ, India . A_77: Design, Construction And Performance Testing Of Wastewater Treatment System Using Floating Vetiver Island (FVI) For Phytoremediation Of Agricultural Liquid Waste	Gunde Padma, SaikeshParuchuri, India A_144: Solid waste management in Rajam Municipality, Andhra Pradesh: status and challenges	E Sanjeeva Rayudu, S Mustafa Sameer Hasan, R Susmitha, G. Garata Reddy. India . F_179: Removal of Turbidity from Drinking Water using Pisum Sativum as Natural Coagulant
5		A.K.Ravikumar, India . A_279: BMW Rules and Regulations	PhathutshedzoMudau, South Africa A_186: Plastic waste management involving Nano technology- Dziphathu Green Technologies	Swetha K, Srinivasulu M, Ramanamma P, Keerthi U, Muralidhara Rao D, India . A_109: Influence of fungicides and insecticides on the microflora of bacteria and fungus in paddy (oryza sativa L.) soil	Gangadharappa R. India A_191: GIS based technology in clearing of Solid waste- A case Study of Davanagere City	Marius Friedt, Thomas Haupt, Eckhard Kraft, Germany F_147: Evaluation of urban and rural technologies for the treatment of wastewater, sewage sludge and organic waste in India
6		P.V. Sudhakar, India . A_208: Need for Hospital	Odoulami Léocadie1, Dansou S. Brice1, TOTIN VODOUNON S.	Sumanta Bhattacharya, Bhavneet Kaur Sachdev, India .	U A Kumar, T Byragi Reddy, India	Dineshkumar M, S K Ghosh, P K Dey, A Kapley, R. K.

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		Infection Control Committee	Henri, Benin A_03: Valorization of -novo urban commune in the republic of Benin (WEST AFRICA)	A_13: Sustainable management of banana waste can improve agriculture economy, create jobs, and reduce environmental damage- An Analysis. (Online presentation)	A_80: A Case study of Visakhapatnam City (2022)	Srivastava, India . A_264: Phytoextraction Process using Salicornia (Halophyte) & the Reject Brine from Desalination Plants.
7		Dr. K. H. Vasudeva Naidu, India A_: Biomedical waste management in Covid	Naima Habache, Ouahiba Bechiri ¹ , Ilhem Djaghout, Meriem Djenouhet, Algeria . A_311: Modelling and Optimizing Orange G Removal by Heat-Activated Persulfate using Two-Step Statistical Strategies: Plackett–Burman and Box–Behnken designs. (Online presentation)	Nitika Thakur, India . A_15: Biochar: A feasible and visible solution for Agricultural sustainability (Online presentation)	S Gopalakrishnan, D Nath R S, Krishnakumar B. India An integrated anaerobic-aerobic process unit for resource oriented treating high strength. (Online presentation)	K Adak, S Ghosal, B Rajbansi, D Sarkar, India . F_126: Comparative study of the cationic and anionic dye removal through chemical coagulation/flocculation process: An imitation of Textile Industry wastewater treatment. (Online presentation)
8		Mr. P. Ravi, India A_: Biomedical Waste Management Collection, Transport and Disposal.	Abdelmalek Dahchour, Souad Elhajjaji, Morocco ; A_332_ Water Resources in Morocco as affected by Climate Change	V. Davamani, R. Kalaiyazhagi, E. Parameswari, P. Kalaiselvi, M. Maheswari, India . A_57: Standardizing the drone spraying of Panchagavya application in Tomato. (Online presentation)	Dipin Nath R S, A Shende, Krishnakumar B, India Controlled AD of waste banana pseudostem for recovering natural fibre, biogas and soil conditioner	Hymavathi Darla, Swapnika Devagudi, India . A_319: Adsorption of Methylene Blue and Malachite Green dye using Ficus Benghalensis Leaf Powder.
9.		Ramya Madhuri Dara, Sweta Tejaswi Thumma, Rajaswadevi.M, Suvarnalatha Devi	Michael K. Koech, Kaburu J. Munene, Mary Kanyua Kinoti, Desmond Khisa Situma, Kenya A_42: Circular Economy Policies		Kush Paithane, India A_106: Solid waste management of the groundnut oil industry	Ritu Raj Kaur, Ashwani Luthra, Vanshul, India . A_71: Sustainable Waste

Schedule: Venue: SVU, Tirupati, AP, India; Nov. 30 to Dec.03, 2022 (Hybrid Mode - In person & Virtual)



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		Potireddy, India . A_61: Bio treatment of biomedical wastes (BMW), covid-19 by using microbial enzymes and its impact	and Innovations In Africa			Management Initiatives- A Case of Guru Nanak Dev University, Amritsar
		Sharafudheen. K. P, India . A_190: Biomedical Waste Management Process In A CBWTF (Common Biomedical Waste Treatment & Disposal Facility)				
		P. Sri Chandana, V. Padmaja, P. Kiranmaye, India A_95: A case study of Bio Medical Waste Management Practice in a Super specialty Hospital				
		8 PRESENTATION		7 PRESENTATION	6 PRESENTATION	9 PRESENTATION
1.15 – 2.30 pm	Lunch Break	3 RD Day		1.15 – 2.30 pm	Lunch Break	3 RD Day

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International Society of Waste Management, Air and Water



Principal Sri Venkateswara University (SVU), Tirupati, Andhra Pradesh, India
Organisers: International Society Waste Management, Air and Water (ISWMAW)
 International Partnership for Expanding Waste Management Services of Local Authorities (IPLA)

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

DAY 3: 02.12.2022		VALEDICTORY [Click here to join]			
2.30 – 4.30 pm	<p>Valedictory Programme at Senate Hall: IconSWM-CE Excellence Award for paper, Chair’s Summary Reporting – [Click here to join] Welcome Address: Prof. S. Vijayabhaskar Rao, Dean R&D, SVU, India Reporting of the 12thIconSWM-CE & IPLA Global Forum 2022: Prof. S. Varadarajan, SVU, India Speech by Mr M. Divi Rao, Director, Divis Laboratories, India. Speech by Dr C. L. Venkatarao, Co-Chairman, IconSWM-CE, India. Reporting of the 2nd Drafting committee meeting cum Experts Consultation on New 3R Declaration (2024-2034) by Mr. C R C Mohannty, UNCRD & Co-Chairman, IconSWM-CE, Chair’s Summary: Prof. K Raja Reddy, VC, SVU & Chairman, 12th IconSWM-CE & IPLA Global Forum Announcement of the IconSWM-CE 2022 Excellence Award for best paper: Prof. P. Agamuthu, Sunway University, Malaysia & Prof. M Nelles, Rostock University, Germany, Co-Chairman, 12th IconSWM-CE & IPLA Global Forum Feedback from the members around the world and suggestions: Dr.Pawena Limpiteeprakan, Thailand; Mr. U V Parllikar, India; Ms. Shalini Parameswaran, Malaysia Ms. Miwa Tatsuno, Japan, Mr. A Narendra, APPCB Mr. Arisman, Indonesia, Prof. Francesco Di Maria, Itay Prof. U. Maschke, France; Prof. E. de la Torre, Ecuador, Ms. Sashikala, APPCB, Dr.Patricia Pedus, Micronesia; Dr. Muni Lakshmi, SVU, India; Invitation to 13thIconSWM-CE & IPLA Global Forum 2023 at SKJSIM, Mumbai, - Prof. Satyendra Upadhyay Award Ceremony by Prof. Sadhan K Ghosh, and Prof. K Raja Reddy Presidential Address: Prof. Sadhan K Ghosh Vote of Thanks: Dr.Sutripta Sarkar</p>				
<p>Day 4: 03.12.2022 Field Visit (9 am to 4 pm)</p>	<p>Field Visit will start at 9 am from the main GATE of SVU. The bus will go to specified points to be announced later. The delegates are requested to assemble on time. The team will visit the following Waste Management Facilities in Tirupati. A. Integrated Waste Management Facility, Tirupati Municipal Corporation, Thukivakam, Tirupati. 1. Bio-Methanization with bottling plant – Capacity 50 TPD 2. Material Recovery Facility – Capacity 70 TPD</p>				

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	<p>a. 50% of the feedstock is sent to various recyclers, b. 50% of the feedstock is sent to Cement Factories for coprocessing 3. Organic waste to compost facility – Capacity 30TPD 4. Construction and Demolition waste Recycling Facility – Capacity 50 TPD 5. Bio-Oxidation of Sewerage water LUNCH Break – You may enjoy the Fish Spa here B. Sri Venkateswara Gosamrakshanashala (a home for cattle), Tirumala Tirupati Devasthanam, Tirupati 1. Making of Incense sticks or Agarbathi Sticks from cattle dung and urine, C. Citrus Research Station, Dr. Y. S. R. Horticulture University, Tirupati Making of Various articles like photo frames, key chains etc., with the worshipped flowers from TTD and other temples.</p>
10am – 2pm	<p>School children Congress on Waste Management – registration at the Senate Hall [Click here to join]</p>
11– 12.30 pm	Presentation by school children on Waste Management, Recycling, Circular Economy and Environmental Protection
12.30 – 1.00 pm	Valedictory and presentation of Certificates
1.00 – 2.00 pm	Lunch for the school children
	The End of the program

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LIST OF AWARDEES: IconSWM-CE Excellence Awards 2022 for Coprocessing in Cement Plants in India

S. No	Plant	Plant Head	TSR Average 2016-2020	TSR 2021	Plastic & RDF Average 2016-2020	Plastic & RDF 2021	AF Co-processed Average 2016-2020	AF Co-processed 2021	AR Co-processed Average 2016-2020	AR Co-processed 2021	Pre-processing Facility	Co-processing Facility
1	ACC Wadi	Y S Rao	Platinum	Diamond	Diamond	Diamond	Diamond	Diamond	Platinum		Excellence Award	Excellence Award
2	Ambuja Cement Kodinar	Rajiv Jain	Platinum	Gold	Gold	Platinum	Platinum	Platinum	Gold	Gold	Excellence Award	Excellence Award
3	Dalmia Belgaon	P K Singh		Diamond								
4	Dalmia Rajgangpur	C Shrivastava						Gold		Diamond		
5	Dalmia Dalmiapuram	V Murthy	Silver	Platinum	Gold	Diamond	Gold	Platinum				
6	Dalmia Ariyalur	T Robert			Platinum	Diamond						
7	Dalmia HO	G V Ramakrishna									Excellence Award	Excellence Award
8	J K Lakshmi Cement Ltd. Sirohi	S K Saxena	Gold	Silver			Platinum	Platinum	Platinum	Platinum		
9	Myhome Ind. P Ltd. Mellacheruvu	N S Rao		Silver								
10	Kalburgi Cement Ltd.	S Chapperwal	Diamond	Diamond	Platinum	Platinum	Diamond	Diamond	Diamond	Gold		
11	Birla Corporation Ltd. Chanderia	D K Mishra	Gold	Gold	Silver	Gold		Gold				
12	Birla Corporation Ltd. Satna	S Sood	Silver	Silver				Gold				
13	Chettinad Cement - Karikalli	V. Krishnan		Silver								

LIST OF AWARDEES: IconSWM-CE Excellence Awards 2022 Campus and ULB SWM Management

SI	Awardee	Category
1	Synod College, Shillong, Meghalaya	For Effective Waste Management Initiative in College Campus and generating mass awareness in North Eastern Part of India
2	GHMC, Rajendra Nagar	Special Awareness and Controlling Dumping and Littering by Installing Camera Laden Loudspeaker for recording and warning in Rajendranagar, GHMC, Telangana