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**HALL DETAILS:**

* **Auditorium : IconSWM – ISWMAW**
* **Hall – Seminar Hall 1 to Hall 4 – 1st Floor; Seminar Hall 5 to Hall 8 – 2nd Floor**

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| **9th IconSWM – CE 2019 during Nov 27-30, 2019**  **Programme Schedule**  **Venue: Campus 6, Convention Centre, KIIT, Bhubaneswar, Odisha, India;** |

**Pre Events heldUnder the aegis of International Society of Waste Management, Air and Water (ISWMAW):**

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| **Dates** | **Event** | **Oraganiser** | **Key Persons** |
| August 09-10, 2019 | **National Symposium on Waste Management and Resouce Circulation, 2019 (NSWMRC 2019)** | National Institute of Technology Durgapur (NITD), India; In Collaboration with CSIR - Central Mechanical Engineering Research Institute (CSIR-CMERI), 90 delegates joined. | Prof. Gopinath Halder, NIT Dgp Dr. Priyabrata Banejee, CSIR-CMERI, Dgp |
| August 03, 2019 | **National Symposium on the "Sustainable Waste Management"** | Department of Energy, Tezpur University, Assam;60 delegates joined. | Prof. Debendra Ch. BaruahDr. Vikas Verma & Dr. Eeshan Kalita Tezpur University, Assam; |
| April 20, 2019 | **National Symposium on Sustainable Waste Management (NSSWM-2019)** | Institute of Engineering & Management, Kolkata; 100 delegates joined | Dr. Rahul Baidya & Dr. Tapobrata Bhattacharya, IEM, Kolkata |
| 23rd - 24th February, 2019 | **International Conference on Water, Sanitation and Hygiene - 2019 (WASH-2019)** | Departments of Biotechnology, Social Work, Organic Chemistry and HSS & Basic Sciences; Dr. B. R. Ambedkar University, ; 300 delegates joined | Prof. Sujatha Peela, Principal, College of Science, Dr. B. R. Ambedkar University, Srikakulam |

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| **9th IconSWM-CE 2019 will be organised as an official side event of the high level Intergovernmental 10th Regional 3R Forum in Asia and the Pacific, to be held in September 2020 at Moscow, Russian Federation** |

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| * **Awards** : Industry & ULB Award Competition including the co-processing Awards held on 20th November 2019 before the Jury Board. Results are in Page 6. For questions: Prof S Moulick (8895045818)/Dr. R. N. Prusty (9437172226)/R Dasgupts (94371 72226). * **Authors :** Kindly check the Programme Schedule & Poster list; For any question, please contact: Dr. Rahul Baidya (+91 9038638642) / Suresh Mondal (+91 9831104248/8240537668) * **Paper Presentation duration** : in TS: 10 minutes. Plenary Speech : 20 minutes; Poster Presentation will be held as per schedule. * **Presenters’ Reporting** : to report at specific room 20 minutes before the session starts. All full papers received for ppt and poster presentation will be considered for publication in Books and Special issues of Journal as per specific review peocess. * **Poster 24 “ X 32” :** Poster presentation will be done as per guidelined & schedule in page 40 to 52. Please bring tapes for fixing posters on the board. * **Chair and Co-chairs** of the sessions are requested to take the guidelines from the Technical Desk for conducting the sessions. * **Delegates :** Delegates are requested to fill the format given at the end of this program book, fill in and proceed for registration. * **Awardee :** Awardee/organisation will get one free registration. Other members joinng may pay the registration fee as in brochure. |

**9th IconSWM-CE 2019 Committee:**

**Core Group Members:**

**Patron, 9th IconSWM:**

Prof. Achyuta Samanta, MP (Lok Sabha), Govt. of India, Founder, KIIT & KISS, Odisha, India

Prof. S. Das, Vice Chancellor, Jadavpur University, Kolkata, India

**Advisor, 9th IconSWM:**

|  |  |
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| Prof. Asoka K Das, Vice Chairman, Odisha State Higher Education Council, Govt. of Odisha | Prof. K. Hemachandra Reddy, Chairman, APSCHE, A. P |
| Shri R Karikal Valaven, IAS, Addl. Chief Secretary, Govt. of AP | Dr. C L Venkata Rao, Ex-Executive VC, Swachh Andhra Mission, AP |
| Shir B. S. S. Prasad , Chairman, APPCB , Vijayawada |  |

**Chairman, 9th IconSWM:**

Prof. Sadhan Kumar Ghosh, Professor, Jadavpur University, Kolkata & President, ISWMAW

**Executive Chairmen, 9th IconSWM:**

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| Prof. Hrushikesha Mohanty, Vice Chancellor, KIIT, Bhubaneswar | Prof. A. Ghosh, VP-ISWMAW, JU |

**Co-Chairmen 9th IconSWM:**

|  |  |
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| Prof. Sasmita Samanta, ProVC KIIT, Odisha | Mr. Arne M. Ragossnig, ISWA |
| Mr. Bala Kisore, Director of Factories, Govt. of AP | Prof. Agamuthu P, University of Malaya, Malaysia |
| Dr. B J Reddy, IAS, Hyderabad | Mr. C R C Mohanty, UNCRD, Japan |
| Dr. H. N. Chanakya, CST, IISc, Bangalore | Prof. Jinhui Li, Tsinghua University, China |
| Prof. Anupam Basu, Director, NIT, Durgapur | Mr. B H Anil Kumar, IAS, Commissioner, BBMP, India |
| Dr. R. L. Mersky, Widener University, USA | Prof. Sinichi Sakai, Kyoto University, Japan |
| Prof. Kalyan Rudra, Chairman, WB PCB | Mr. Devidutta Biswal, IFS, MS, Odisha State PCB |
| Prof. J S W Park, Yonsi University, Rep. of Korea | Prof. Suddhasatwa Basu, Director, CSIR-IMMT, Odisha |
| Prof. M. Nelles, Rostock University, Germany | Prof. T. Yoshioka, Tohoku University, JSMCWM, Japan |
| Dr. Nguyen T. S. Thang, ISPONRE, Vietnam | Prof. Harish Hirani, Director, CSIR-CMERI, Durgapur |
| Prof. S. W. Rhee, Kyongyy University, South Korea | Dr. R. L. Mersky, Widener University, USA |
| Prof S. Rama Krishna Rao, VC, Krishna University | Prof Satyanarayana, Director, IIT Tirupati |
|  |  |

**Vice-Chairmen 9th IconSWM:**

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| Dr. R. K Behera, Dy. Dir (Safety), Fcty & Boiler, Odisha | Prof. Francesco Di Maria, Univ. of Perugia, Italy | Prof. Bitanjaya Das, Sr. Prof.,KIIT,odisha,India |
| Mr. G. Das, VP- ISWMAW | Mr. K. D. Bharadwaj, Director-IES, NPC; Delhi | Prof. S. K. Das, CU, Kolkata |
| Mr. U. V. Parlikar, Geocycle, ACC Ltd., Mumbai | Prof. S. Varadarajan, Former Secretary, APSCHE, SVU AP | Mr. S. Khan, BBMP |
| Mr. P. K. Jha, Niti Ayog, N Delhi | Mr. Vladislav Kudryavtsev, ERBA, Russian Federation | Prof. Pradip Sikdar, ISWMAW, Kolkata |
| Dr. Tapas Gupta, Ch. Engineer, WBPCB | Prof. M. Alamgir, VC-KUET, Bangladesh | Dr. VladImir Maryev, Russian Federation |
| Mr. M. Goutham Reddy, MD&CEO, Ramky Enviro Ltd. | Dr. Smarajit Roy, ISWMAW UK | Prof. P. K. Dey, Aston University, UK |
| Prof. Mahalaya Chatterjee, CU, Kolkata | Mr. Tapas Ghatak, SWM Expert |  |

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| **Secretaries** | Dr. B.G. Mohapatra,Director,SCE, KIIT DU | Dr. S. Moulick, Asso. Dean,SCE,KIIT DU | Mr. P. K. Mohapatra,PD, OWSSB & SE, PHE, Odisha | Dr. Asit Aich, ISWMAW |
| **Assistant**  **Secretaries** | Dr. Pritish Nanda, Ernst & Young, Odisha | Dr.S. Jaykumar, BBMP, Karnataka | Dr. M Raja Sekhar, NICMAR | Dr. S. Tripathy, KIIT |
| Ms. Sheetal Singh, Director, Karnataka | Dr. P. Banerjee,CMERI-CSIR, WB | Prof. D. B. Sathpathy,CET, Bbsr | Dr. P. Mahamalik, KIITDU |
| Mr. Sanjay Kumar Patra, VSSUT, Odisha | Prof. P. K. Parhi, CET, Bhubaneswar | Dr. B. B. Das, NIT Surathkal | Dr. Kshyanaprava Samal,KIIT |
| **Chairman’s**  **Research**  **Secretaries** | Ms.Ipsita Saha, JU & ISWMAW, Kolkata | Dr.Rahul Baidya,IEM,Kolkata,ISWMAW, | Dr.Jyothilakshmi,ISWMAW,Bangalore |  |
| Dr. Kirubakaran, ISWMAW, Chennai, TN | Mr. Sannidhya K Ghosh, UCB, Colorado, USA |  |  |

**9th IconSWM 2019 International Scientific Committee (ISC):**

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| Prof. Allen Hu, Taiwan | Dr. Abas Basir, AECEP, Sri Lanka | Dr. Ahmed Murthaza, Maldives |
| Dr. Anurudda Karunarathna, Sri Lanka | Dr. Ajantha Perera, Fiji Islands | Dr. Adeniyi S. Aremu, Nigeria |
| Prof. Asari, Misuzu Japan | Dr. Anupam Khajuria, Japan | Mr. Chih Ku Chen, Taiwan |
| Dr. Chen, Liang-Tung, IDB, Taiwan | Dr. Chilin Cheng, Taiwan | Dr. Choi, Woo-Zin, Korea |
| Dr. Cruvinel Vanessa , Brazil | Dr. Damanhuri, Enri Indonesia | Dr. Divalishvili Natela, Georgia |
| Prof. Eckhard Kraft, Germany | Mr Eugene Y. Lin, CPC, Taiwan | Ms Likhuan Lee, CPC, Taiwan |
| Prof. Musahadi, Indonesia | Mrs. Grace Sapuay, Philippinea | Dr. Hotta, Yasihiko, IGES, Japan |
| Prof. Ilona Sárvári Horváth, Sweden | Prof. Fr. James, Taiwan | Dr. Jose Elvinia, APO, Japan |
| Prof J C Wang, Singapore | Dr. Jonathan Nixon, UK | Mr Jonathan D. Cocker, USA |
| Prof. J. W.C. Wong, Hong Kong | Prof. H. A. Sibak, Cairo | Mr. Khadga Bhakta Paudel, Nepal |
| Mr. Kazunobu Onogawa, IGES, Japan | Mr. Karlos Martin Nobella, Switzerland | Prof. Dr.-Ing. Klaus Fricke, Germany |
| Dr. Luis F. Diaz, USA | Mr. Vaughan Levitzke, South Australia | Dr. Marisa Soares Borges, Brazil |
| Dr. Milan Pavlovic, Serbia | Dr. Maria Margallo Blanco, Spain | Prof. Dr. Muhibbin Noor, Indonesia |
| Prof. Mohamed Ahmedna, Qatar | Prof. M. M. K. Fouad, Egypt | Prof. Mervat El-Hoz, Lebanon |
| Prof. Dr. M. Noor, indonesia UIN Wali Sango | Dr. Musahadi, UIN Wali Sango, Indonesia | Prof. Michael R. W. Walmsley, New Zealand |
| Mr. Nickolas J. Themelis, USA | Mr. Nervy C, Santiago, Philippines | Dr. Nguyen Van Tai, Hanoi |
| Dr. Nguyen Thi Kim Thai, Hanoi | Dr. Nawa R. Khatiwada, Nepal | Prof Ofira Ayalon, Israel |
| Mr Pillay, Anben, Rep. of South Africa | Dr. Pranshoo Solanki, USA | Dr.-Ing. Peter Hartwig, Germany |
| Dr. Prakash Kowlesser, Mauritius | Prof. Paul.H. Braunner, Austria | Dr. R. Al-Jarallah, Kuwait |
| Dr. Richard Blanchard, UK | Dr. R. Nantenaina, Madagaskar | Dr. Sari Piippo, Finland |
| Dr. Shigemoto Kajihara, Japan | Mr. Shunichi Honda, UNEP, Japan | Dr. Sandhya Babel, Thailand |
| Dr. Serpil Guran, USA | Mr. S. VORACHITH, Lao DPR | Prof. Sunil Herat, Australia |
| Prof. Thong Kong, Cambodia | Mr. Ugunbiyi Abdulwahab,Nigeria | Prof. Visvanathan C., Thailand |
| Dr. Vicki Hall, Sprep, Samoa |  | Dr. W. K. Buah, Ghana |

**Local Working Group:**

| **Group/Duties** | **Name** | **Name** | | |
| --- | --- | --- | --- | --- |
| **Accommodation** | Prof. T Mohanty (9437230562), Mr. Sayantan Das(7278836216), Mr. A. K. Panda (GM, 9437421150) | | | |
| **Co-Ordination** | Prof. S.Moulick(88950 45818), Sushree Sasmita(9861077426),Dr.Rahul Baidya(9038638642),Raktim Dasgupta(9874767858) | | | |
| **Decoration of Auditorium and Exhibition Stalls** | Prof. D R Biswal (9583595895) Swabarna (9474628988); Tushar (9425035546), B. G. Mahapatra (8895212171), Tushar (9425035546) | | | |
| **Food and Hospitality** | Prof. A. K. Pani (8763315670), Soumen Pal (7308648480) , Bittu Ghosh (7908779167 , Prof. Debasish Roy ( | | | |
| **Hall Management for Organizing Technical Sessions** | Prof. D. K. Bera (7894470698); Priyanshu Sinha (7044068329), Divyajit Das (9439253888), Sandip Barman () | | | |
| **Conducting Technical Sessions / Valedictory – Leaders for each Room** | IconSWM – ISWMAW Hall : Prof. P. Mahamallik (9090338038), Prof. Aniruddha Mukhopadhyay (9830310635), Dr. Sutripta Sarkar(9433430019), Prof. S.K. Das(8697304884/9830638908), Conference Hall 1: Dr. Kshyanaprava Samal(7326996764), Avijit Hazra, Conference Hall 2: Prof. P.K. Sikder (7044478222/9433543017), Conference Hall 3: Dr. H.N. Chanakya (9448271016), Conference Hall 4: Dr Smarajit Roy, Conference Hall 5 : Dr. Asit Aich ; Conference Hall 6 : Anaya Ghosh, Joyeeta, Conference Hall 7 : Dr. Bharath, Raktim Dasgupta, Conference Hall 8 : Dr. Latha R. with other teachers and the asigened research scholars from KIIT & JU | | | |
| **Inaugural/ Valedictory Programme** | Dr. Kshyanaprava Samal(7326996764), Prof. B. G. Mahapatra(8895212171), Prof. S.K. Das(8697304884/9830638908), Prof. Aniruddha Mukhopadhyay (9830310635), Prof. P.K. Sikder (7044478222/9433543017), Dr. Sutripta Sarkar(9433430019),  , Deepika Palai, (9439784890), Apala Mohanty ( 8455968191) ), | | | |
| **Infrastructure** | Dr. D. R. Biswal (9583595895) , (Divyajit Das(9439253888), Soumya Sayan Pal (9051500018) ), | | | |
| **Medical Assistance Group** | Swapna ( ), and Kamlesh( ), | | | |
| **Pick up & drop: Airport &d Railway Stn.** | Prof. Kundan Samal (8984603655) . Prof. Chitta Panda (9937220267), Prof. B. G. Mahapatra (8895212171), ,  Raja Mohapatra( ), Sourav Shaw (8334838649), R. Dasgupta (9874767858), | | | |
| **Press media team** | Prof. S. K. Das (8697304884/9830638908)/ Prof. Aniruddha Mukhopadhyay (9830310635),  Prof. B. G. Mahapatra(8895212171),Alokananda( ),, Amresh( ), | | | |
| **Registration Kits: Arrangement, Distribution,** | Ipsita Saha (9338171400), , A Aich (8910354375), Ipsita Saha (8017451580), B. Ghosh(9831050447), D. Roy, S. Shaw (8334838649), G. Debnath (9433304703), R. Dasgupta (9874767858), Sayan Mukherjee (8240990271), Anaya Ghosh, Avijit Hazra,Sayantan Das, ,Sushree Barsha, Prof. Sitam Subham Jena (8763378151), | | | |
| **Organising photos and Group Photo, Research Survey and** | Kaushik Das (9433210137)- I/c Photography; Anaya Ghosh (89005410422), Jayeeta Banerjee (98748375682), Tushar, R.Dasgupta(9874767858); Ipsita Saha (9338171400), SandipBarman (8420627950/6290614184); Ankita Sikdar, Stutee Mohanty | | | |
| **Technical Desk and Programme Schedule** | Rahul Baidya (9038638642), Suresh Mondal (8240537668) , Suresh Mandol (9836911950), Subhasis Maji, Chanchala Das( ), Sandip, Angel, Prof. Kundan Samal (8984603655) | | | |
| **ISWMAW-IconSWM Office** | Suresh Mandol (9836911950), Subhasis Maji(8450090856); B. Ghosh, (7980288011), Sandip Barman (8981154231) | | | |
| **Transport- KIIT City Tour etc** | Suman Saha ( ), Tanmoy Sinha( ), Prof. Kundan Samal (8984603655) | | | |
| **Field Visited Trip** | Tanmoy Majumder( ), Prof. Kundan Samal (8984603655) | | | |
| **Money Receipt** | Gobindo Debnath (9433304703), Suresh Mandol (9836911950), B. Ghosh, (7980288011), Sandip Barman (8981154231 | | | |
| **Mementoes** | Pradip Nikhandia (9040442475) | | **Certificates** | Ipsita Saha (8017451580), Rahul Baidya (9038638642) |

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| **15.00-19.00** | **Pre-Conference Day, 26/11/2019 (Tuesday)**  **Pre-Registration of delegates at the Venue**  **Six Registration counters:**  **1. For registered &/or paid Indian delegates; 2. For registered paid/unpaid Foreign delegates;**  **3. Registration at Counter 3, 4, 5 & 6 :** Delegates for on the spot registration and payment (Payment is not accepted by cheque). Delegates will be given a hard copy of the format or pring from this programme book (last page); Fill in (You can bring the filled in format in hard copy available in this website as Registration Format). Submit at any of the counters for registration and payment. On payment or production of payment proof, you will be given the registration kit and a conference badge. Our “BADGE WRITER” will be available to write your name and organisation & City/Country. After completion of your registration, kindly enter the IconSWM-ISWMAW hall. |
| 18.00-19.00 | **18.00 hrs. : Meeting: International scientific committee & Organising Committee members, Seminar Hall 2, 1st. Floor.** |
| Recipients of IconSWM Excellence Award 2019 |

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| **IconSWM Lifetime Achievement Award 2019** | **IconSWM Excellence Award 2019 for industries for Coprocessing of waste in cement kiln (27.11.2019)** | **IconSWM Excellence Award 2019 for industries for Waste Mngement (27.11.2019)** |
| Prof. Achyuta Samanta, KIIT, Odisha Prof. Ashok Pandey, CSIR-IITR, Lucknow, India  Mr. Kazunobu onogawa, CCET-IGES, Japan  Prof. Sinichi Sakai, Kyoto University, Tokyo | **1st Position** :  **Geocycle, ACC Mumbai, India**  [Seven Units: ACC Kymore, Katni, MP; ACC Wadi, Gulbarga, Karnataka; ACC Madukarai, Tmilnadu; Ambuja Cement Ltd., Kodinar, Gujrat; Maratha Cement Works,Chandrapur, Maharashtra; Ambuja Bhatapara, Baloda Bazar, Chattisgarh; Ambuja Rbriawas, Rajasthan;]  **2nd Position :**  **Kesoram Industries**-Cement Business; Unit : Vasavadatta Cement, Sedam, Gulbarga, Karnataka;  **J K Cement Works**, Unit :Muddarpur,Bagalkot, Karnataka;  **Dalmia Cement**, Unit : Rajgangpur, Odisha  **ACC Ltd**.,Unit : Bargarh, odisha  **Ultra Tech Cement,** [Two Unit:Reddupalayam Cement Works, Perambalur, Tamilnadu; Dhar Cement Works, MP] | **1st Position :**  **Paradeep Phosphate Ltd.**, Paradeep, Odisha  **2nd Position**  :  **Surajj Products Ltd.** Sundergarh, odisha  **Tata steel BSL Ltd**., Angul, Odisha  **Dalmia Cement**, Rajgangpur, Odisha  **Emami Paper Ltd.,** Balasore, Odisha  **IconSWM Excellence Award 2019 for individual contribution in Coprocessing of waste in cement kiln( 29.11.2019)**  Mr. Ulhas Prlikar, Ex-Geocycle, Consultant  Ms. Aparna Dutt Sharma, Secretary General, CMA  Mr. Mahendra Singhi, President, CMA  Mr. Varun Dilip Boralkar, ACC Ltd.,  Mr. Aniruddh Dani, DGM, AFR Management, J K Cement Ltd.  Dr. K. V. Reddy, Aditya Birla Cement  Mr. Manoj Sure, Sr. Manager, AFR Head, J K Cement Ltd.  Mr. Gopal Gupta, Manger, Technical Analyst, J K Cement Ltd. |
| ***IconSWM Excellence Award 2019 for industries association for Coprocessing (27.11.2019)***  *Cement Manufacturers Association, New Delhi*  ***IconSWM Excellence Award for effective Leadership***  *Prof. Sasmita Samanta, Pro Vice Chancellor, KIIT*  ***IconSWM Excellence Award for Event Management***  *Prof. Benu Gopal Mohapatra, Director, SCE, KIIT*  *Prof. Sanjib Moulick, Asso. Dean, SCE, KIIT*  ***IconSWM Excellence Award 2019 for ULB***   * *Mowlinnong Vollage, Megalaya, India* * *Galle Municipal Council, Galle, Sri Lanka* * *Bruhat Bengaluru Municipal Palike (BBMP),Karnataka* |
| ***IconSWM Excellence Award 2019 - NGO Involed in establishing community biogas :***  ***Help-O,*** *Dangedara, Galle, Sri Lanka Karnataka, India* |

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|  | **Day 1, 27th November 2019 (Wednesday): Conference & Exhibition : November 27-29, 2019** | |
| **08.30** | **REGISTRATION OF DELEGATES AT THE VENUE** | |
|  | **Inaugural 27/11/2019 (Wednesday):** | |
|  | **Inaugural Part I** | |
| 10.15 |  | Prof. Sadhan K Ghosh will preside over the session |
| 10.15 |  | Reception of the guests by the Chairman, IconSWM |
| 10.25 |  | Welcome address by Prof. H.K. Mohanty, Vice Chancellor, KIIT |
| 10.30 |  | Theme and objectives of the Conference and by Prof. Sadhan K Ghosh, JU & ISWMAW |
| 10.40 |  | Speech by Mr. Choudhury Rudra Charan Mohanty, UNCRD-DSDG/UN DESA, Japan |
| 10.45 |  | Speech by Co Chairman Prof. M. Nelles, Rostock University, Germany |
| 10.50 |  | Release of Books : CE Book, Special Isuue, Iconswm Proceedings, Indore case studies |
| 11.00 |  | Award giving Ceremony : IconSWM 2019 Lifetime Achievement Awards, (three) |
| IconSWM 2019 Excellence Awards for ULBs, IconSWM 2019 Excellence Awards for Industries in SWM  IconSWM 2019 Excellence Awards for Industries for contribution in Co-processing |
| 11.20 |  | Inaugural Address by HE Governor of Odisha (tbc) |
| 11.35 |  | Announcement of 10th IconSWM 2020 |
| 11.45 |  | **Goup Photo at outside the auditorium** |
| 12.00 |  | Departure of HE Governor of Odisha (tbc) |
|  |  | **Inaugural Part II** |
| 12.05 | **Keynote Speech** :Faecal Waste Management in non-sewered Areas-Mr.G. Mathi Vathan, IAS, Principal Secretary, H&UDD, Odisha, | |
| 12.20 | **Keynote Speech** : Prof. Sadhan Kumar Ghosh : Waste Management and Circular Economy : Global Trends and cooperation | |
| 12.35 |  | Speech by Prof. Arne Ragossnig, President, ISWA, Austria |
| 12.40 |  | Speech by Prof. Agamuthu P, Editor-in-Chief, WM&R, Malaysia |
| 12.45 |  | Speech by Dr. Abas Basir, DG, SACEP, Sri Lanka |
| 12.50 |  | Speech by Co Chairman Dr. H. N. Chanakya, IISc, Bangalore |
| 12.55 |  | Speech by Mr. K. Onogawa, Director, CCET, IGES, Japan |
| 13.00 |  | Presidential Speech |
| 13.05 |  | Vote of Thanks and inauguration of Exhibition by Prof. Benu Gopal Mohapara, KIIT |
| 13.10 |  | EXIT |
| 13.20 |  | **Lunch & Networking at the venue (Banquet and open Air garden) (27.11.2019)**  POSTER SESSION: on 1st floor and the exhibition ground; The Jury for the assessment of poster and the presenters may take lunch and find time to visit the poster displayed at the exhibition & first floor. Contact ISWMAW Camp office. |

**PLENARY SESSIONS - 1, 2, 3 & Open House Panel Discussion :**

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| **14.20 – 15.40** | | | **Plenary Session, 27/11/2019** | | | |
| **14.20** | |  | **Plenary Session -1 (PS -1) :**  **IconSWM-ISWMAW Auditorium**  **Waste Management & Circular Economy** | **Plenary Session - 2 (PS -2) : Hall 1**  **Seminar Hall 2 (1st Floor)**  **Co-processing of Wastes** | | **Plenary Session - 3 (PS -3) :**  **Seminar Hall 4 (1st Floor)**  **Theme: Plastic Waste Management in Developing Countries: Land-based solutions for reducing marine debris** |
|  | |  | Chair & Co Chair : Prof. Sadhan K Ghosh, Mr. Anil Kumar, IAS, Commissioner, BBMP, | Chair & Co Chair : Dr. Debidutta Biswal, IFS, MS, Odisha SPCB and Mr Berthold Kern, Geocycle | | **Organized by CCET/UNEP-IETC, Japan & ISWMAW, India**  **Chair & Co-Chair: Mr. Kazunobu Onogawa, CCET and Dr. Premakumara Jagath,** |
| **14.25** | |  | **Implementation of Circular Economy in Asia Pacific** :  Mr. C. R. C. Mohanty, UNCRD, Japan | **Co-processing of waste in cement plant-Initiatives by Govt. of India** - Mr. Vinay Jha, Director/Dr. V. K. Chaourasia, Advisor, MoHUA,GoI | |
| **14.45** | |  | **Plastic Pollution Calculator** –  Prof. Arne Ragossnig, Managing Director, International Solid Waste Association, Austria | **Co-processing of waste in cement plant-Initiatives of Indian Cement factories** President/Secretary General, Cement Manufacturer’s Asso.,- | | 14:20 - 14:25: **Introduction to the session**- Mr. Kazunobu Onogawa, Director, CCET  14:25 - 14:45: **Plastic waste management in Indonesia: Outcomes from National Plastic Waste REduction Plan** - Mr. Tsukiji Makoto, Consultant, CCET  14:45 - 15:05: **Plastic waste management in India: Learning from Hyderabad City**  - Mr. Achu R Sekhar, Senior Project Officer, ICLEI  15:05 - 15:25: **Plastic waste management in Sri Lanka: Overview and policy directions**- Dr. Premakumara Jagath, Deputy Director, CCET & T Suboharan, Assi. Director, CEA |
| **15.05** | |  | **Emissions from the incineration of municipal solid waste. Effects of legal and technological progress -**  **Prof. Francesco Di Maria,** LAR Laboratory - Dept of Engineering, University of Perugia, Via G. Duranti, 06125, Perugia, Italy | **ULB who is providing Waste to Cement Plant for co-processing:** MSW for co-processing -: Procedure adopted, issues, challenges. | |
| **15.25** | |  | **Discussion** | **Discussion by the Cement plants involven in co-processing:** Procedure adopted, issues, challenges. | |
| **15.45** | |  | **Open House Panel at IconSM-ISWMAW Auditorium : IconSWM International Meet :**  Foreign experts and Indian stakeholders at IconSWM – ISWMAW Hall Foreign experts expected to be present from :  Austria, Bangladesh, Canada, Germany, Georgia, Hungary, Italy, Indonesia, Iran, Japan, Lebanon, Malaysia, Nigeria, Nepal, Philippines, Serbia, Sri Lanka, South Africa, Thailand, UK, USA, Vietnam.  Two Representatives from participating foreign countries in 9th IconSWM-CE are cordially invited to the discussion on stage. Delegates in the audience are requested to raise question on the status of the SWM implementation in written form and to hand over to the volunteers well in advance in the hall.  Moderators: Prof. Sadhan K Ghosh, Chair, IconSWM – ISWMAW | | | |
| **16.30** | |  | **Tea/Coffee Break (16.30 to 16.55)** | | | |
|  | |  | **Technical Sessions on 27.11.2019 detailed later** | | | |
| **PLENARY SESSION 4, 5 on Day-2, 28/11/2019 (Thursday)** | | | | | | |
| 8:30 | **Day-2 Registration** | | | | | |
|  | **PLENARY SESSION on 28/11/2019** | | | | | |
| 9:00 – 10:02 | **Plenary Session - 4 (PS -4) : IconSWM-ISWMAW Hall**  **Theme: A Roadmap for Sustainable Waste Management and Resource Circulation in South Asia**  **Organizers: CCET/UNEP-IETC, Japan;, SACEP, Sri Lanka & ISWMAW, India** | | | | **Plenary Session - 5 (PS -5) : Seminar Hall 4**  **WtE and Sustainable Waste Management** | |
|  | **Chair & Co-Chair:**  **Mr. Kazunobu Onogawa, CCET; Prof. Sadhan K Ghosh, iswmaw** | | | | **Chair/Co-chair : Dr. Sangramjit Nayak, DMA, Odisha (tbc)** | |
| 9.02 – 9.22 | **09:00 - 09:15: Waste and Resource Management: A global perspective to achieve SDGs**- Prof. Sadhan K Ghosh, Chai, IconmSWM  **09:15 - 09:30: A Status Report of Solid Waste Management (SWM) in South Asia -**Ms. Hikaru Shirai, Intern, UNEP-IETC  **09:30 - 09:45: A Roadmap for Sustainable Waste Management and Resource Circularity In South Asia** - Dr. Premakumara Jagath, Deputy Director, CCET  **09:45 - 10:00:** **SACEP and its mandate in Waste and Resource Management in South Asia** - Dr. Basir Abas, Director, SACEP | | | | **Waste to Energy: Current Technologies - Prof. P. Agamuthu,**  **Agamuthu P,** Nithiya A, Shimaoka T  1Institute of Biological Sciences, University of Malaya, Malaysia  2Dept of Urban and Env Engg, Kyushu University, Japan | |
| 9.22 – 9.42 | **A Study on The Legal and Administrative Support for Proper Management of World Famous Shri Jagannath TemplePuri -**  **Prof. Sasmita Samanta,**  Sasmita Samanta, R K Nanda\*, P Rautaray, KIIT Deemed to be University, Bhubaneswar, | |
| 9.42-10.02 | **Sustainable Waste Management Systems**  **Michael Nelles**  **Michael Nelles,** Jan Sprafke Isabell Eickhoff, Gert Morscheck  Rostock University, Dept of Waste & Resource Mngt, Germany  Deutsches Biomasseforschungszentrum gGmbH (DBFZ), the Centre for Biomass Research in Germany, Leipzig, Germany | |
|  | **Technical Sessions on 28/11/2019 detailed later** | | | | | |
| **13:20-14:15** | **Lunch & Networking at the venue (open Air garden)**  **POSTER SESSION: on 1st floor and the exhibition ground; The Jury for the assessment of poster and the presenters may take lunch and find time to visit the poster displayed at the exhibition & first floor. Contact ISWMAW Camp office.** | | | | | |

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| **14:20 -**  **15:50** | **PLENARY SESSION on 28/11/2019** | | |
| **Plenary Session -6 (PS-6) : IconSWM-ISWMAW Hall** | | **Plenary Session - 7 (PS - 7) : Seminar Hall 4**  **Waste Management and Research collaboration** |
|  | **Co-Chaired by : Prof. S. K. Ghosh, Mr. D. Biswal, MS, PCB;**  **Mr. Saroj Kr. Banerjee,** **Mr. Varun Dilip Boralkar,** | | **Chair / Co Chair : Mr. P. K. Jha, Bihar; Prof. B. G. Mohapatra** |
|  | **Industry Panel Discussion : Each Industry will speak for 5 minutes followed by QA by audience** | | **Waste Valorization,**  Prof. Chiranjib Bhattacharya, Pro VC, Jadavpur University |
|  | ACC Mumbai, India  Vasavadatta Cement, Sedam,  J K Cement, New DelhiParadeep Phosphate Ltd., Paradeep, Odisha  Surajj Products Ltd. Sundergarh, Tata steel , Angul, Odisha | Dalmia Cement, Rajgangpur  ACC Ltd.,Bargarh, odisha  Ultra Tech Cement, Mumbai,  Dalmia Cement, Rajgangpur, Odisha  Emami Paper Ltd., Balasore, Odisha | **Waste Management in BBMP and way forward,**  Mr. Anil Kumar, IAS, Commissioner, BBMP |
|  | **Municipal Solid Waste-to-Energy Facility in the City of Spokane, Washington A Case Study**  Tapas K. Das1 and Arindam Ghosh2  Tapas K. Das1 and Arindam Ghosh2, 1Visiting Professor, School of Engineering, Saint Martin’s University, Lacey, Washington, USA. 2Former Senior Scientist, NEERI, India |
|  | **Technical Sessions on 28.11.2019** | | |
| 5.30 pm | Research Meeting on Invitation: Research Collaboration meeting to conduct by IconSWM-ISWMAW in collaboration with Andhra Pradesh State Council of Higher Education, Odisha State Council of Higher Education, Jadavpur Universuity and KIIT for exploring international research collaboration between Indian Universities and Foreign Universities followed by the Dinner.  Chairs: Prof. K. Hemachandra Reddy, Chairman, APSCHE and Prof. Asoka K Das, Vice Chairman, Odisha State HEC,  Coordinated by: Prof Sadhan Kumar Ghosh, Chair, IconSWM  Interested potential Collaborators for research projects/ MOU are welcome. Please enlist your name at the ISWMAW camp office on 27.11.2019 before 5 pm. | | |

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| **DAY 3, 29/11/2019 (Friday)** | | |
| 9.00 – 10.00 | **PLENARY SESSION on 29/11/2019** | |
| 9.00 – 10.00 | **Plenary Session - 7 (PS - 7) : IconSWM-ISWMAW Hall**  **Waste Reduction and Waste Management** | **Plenary Session - 8 (PS - 8) : Seminar Hall 4**  **Waste Management and Research collaboration** |
|  | **Chair/Co-chair : Prof. B. Das, KIIT; Jonathan Cooker, Canada,** | **Chair/Co-chair :Dr. Arne Ragossnig, ISWA** |
| 9.00 – 9.20 | **Waste Management in South Asian Countries**  **Dr. Basir Abas, DG, SACEP, Sri Lanka** | **Indian-Hungarian bilateral cooperation in the field of research and technology,**  **Dr. Farkas Hilda, Hungary,** Counsellor for science and technology, Embassy of Hungary |
| 9.20 – 9.40 | **Waste redusction and Management in Ordnance Factories in India**  **Mr Ggan Chaturbedi, DDG,** Ordnance Factory Board, Kolkata | Environmental Crime Scene Investigation (ECSI) Challenges from Abandoned Waste Dumpsites: a case study from Mysore-  **Dr. H. N. Chanakya,**  Hoysall Chanakya\*1,2, Jai Prakash BS1  1AHMP Bangalore Chapter  2Centre for Sustainable Technologies, IISc, Bangalore, India |
| 9.40-10.00 | **Mr. Anbendren Pillay, South Africa** |  |
|  | **Technical Session 3rd Day, 29/11/2019** | |

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| **14.30 – 17.00** | | **Valedictory Session on 29/11/2019** |
| 14.30 | Prof. Sadhan K Ghosh will preside over the session and receive the guests on the dias and reception of guests | |
| 14.40 | Welcome address by Prof. Sasmita Samanta, KIIT | |
| 14.45 | Reporting of the conference by Prof. Sanjib Moulick, Secretary and Prof Benugopal Mohapatra, Director, School of Civil Engg., KIIT | |
| 14.55 | Speech by Co Chairman Prof. P. Agamuthu, Editor-in-Chief, WM&R | |
| 15.05 | Speech by Mr. Choudhury Rudra Charan Mohanty, UNCRD-DSDG/UN DESA, Japan | |
| 15.15 | Speech by the Patron Prof. Achyuta Samanta, KIIT & KISS | |
| 15.25 | Speech by the Mr. D Biswal, MS, OSPCB | |
| 15.35 | Speech by the Ms. Archana Dutt Sharma, DG, CMA | |
| 15.40 | Announcement of 10th IconSWM 2020 by the Prof. P. Sreedhar Reddy, Registrar, and Prof. V, Varadarajan, Prof. Srimurali and Prof. Damodaran, SV University, Tirupati | |
| 15.50 | Speech by Prof. K. H. Reddy, Chairman, APSCHE, Guntur, AP | |
| 16.00 | Speech by Prof. A. Ragossnig, President, ISWA, Austria | |
| 16,05 | Announcement of Awards by Prof. Francesco Di Maria and Prof. H. N. Chanakya, IISc, Bangalore & | |
| 16,15 | Feed back by Prof. M. Nelles, Rostock University and Dr. Basir Abas, DG, SACEP, Sri Lanka | |
| 16.25 | Award giving Ceremony : IconSWM 2019 Excellence Awards for papers; IconSWM Lifetime Achievement Award; IconSWM 2019 Excellence Awards for significant Individual contribution in Co-processing | |
| 16.45 | Valedictory address by the Chief Secretary, Govt. of Odisha, (tbc) | |
| 17.00 | Presidential Speech of the Conference and by Prof. Sadhan K Ghosh, JU & ISWMAW | |
| 17.10 | Vote of Thanks by KIIT | |
| 17.15 | EXIT | |
|  | **30/11/2019 : Field Visit and Tour to Puri & Konark Temple** | |
| 30/11/2019: a) Field Visit and b) Visit to Puri and Konark Temple: Those who are interested to take up either 1 or 2 should register their name at the registration counter before 4 pm 28/11/2019 to ensure the seat in the buses. | | |
| 8.00-20.00 | 1) Field Visit to FSTP at Basuaghai, STP at Cuttack and Temple aroung Bhubaneswar (8.30am – 5 pm), **or** 2) Visit to Puri and Konark Temple (8.00am – 8.00 pm). Bus will start from Campus 6 gate. | |

**Technical Sessions Details**

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| **17:00 -18:55** | **Day 1, 27/11/2019 (Thursday): TS 1 to TS 8** |
| **1st Parallel Break out Technical Sessions, TS1 to TS8 : Day 1, 27/11/2019 (Wednesday)** |

|  | **IconSWM – ISWMAW** | **Seminar Hall 1** | **Seminar Hall 2** | **Seminar Hall 3** | **Seminar Hall 4** | **Seminar Hall 5** | **Seminar Hall 6** | **Seminar Hall 7** |
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| 17:00 -18:55 | **TS1** | **TS2** | **TS3** | **TS4** | **TS5** | **TS6** | **TS7** | **TS 8S** |
|  | **Hall Leaders:**  **Prof Aniruddha Mukhopadhya**  **Dr SutriptaSarkar** | **Hall Leaders:**  **Prof S Babel**  **Dr. Baishali Rajbanshi** | **Hall Leader:**  **Dr. Latha R**  **Prof P. Saha** | **Hall Leader:**  **Prof P. K Sikdar** | **Hall Leader:**  **Prof HN Chanayaka** | **Hall Leader:**  **Prof S K Das**  **Prof. Debasish Roy** | **Hall Leaders:**  **Mr T K Ghatak, Prof. Damodaran** | **Hall Leader:**  **Dr Smarajit Roy** |
|  | **Circular Economy** | **Bio Energy** | **Plastic Waste** | **Energy Recovery** | **SBM & SWM** | **Waste Water** | **Composting** | **Faecal Sludge and Septage Treatment** |
| Chair:  Mr. K. Onogawa  Co- Chair :Prof. V. Kalarani | Chair:  Dr Amit K. Ghosh  Co- Chair : Dr. Narasimha | Chair:Prof Renu Pawel  Co- Chair :Prof. T. Chandrasekhar | Chair:Prof Francesco Di Maria  Co- Chair:  Dr U. Parlikar | Chair: Dr Sasmita Samanta  Co- Chair:  Prof. P. K. Sikdar | Chair: Prof.S.K. Das  Co- Chair: Dr. Alexander Pavlovich | Chair: Dr R. P. Pappu  Co- Chair: Dr. D.Bharath | Chair:Prof. P. Brahmaji Rao  Co- Chair: Dr. J. Padhi |
| 17:00-  17:10 | Gainful Utilization of Legacy Waste Fractions Recovered from  Mining of old Dumpsites in India – A Circular Economy Approach  Richa Singh 1 , Bakul Rao 2 and Shyam R. Asolekar 1  Maharashtra, India | Experimental study on continuous  Feed down draft gasifier for rice  Husk  Gokulavani.r, ramadevi.j, nithya kalyani.p,  Christin henvin mary.a & V. Kirubakaran  Tamil Nadu, India | Chemical Recycling of post-consumer flexible foam  Materials  Ronny Hanich  Germany | Co-processing of waste in cement industry : A review  Amina Khanam, Animesh Maurya, Kundan Samal, Sanjib Moulick  Odisha, India | Cleanliness Movement Challenges and Public Response: A case study of Bangalore and Tiruchirapalli  Kavya Siddeshwar1, Janani Selvaraj1, Shivaraju.H.P2 and Prashanthi Devi  Tamil Nadu, India | Removal of Hexavalent Chromium from Aqueous Solution by Using Neem Bark  Akankshya, RakeshRoshan Dash, Burla,  Odisha, India | Emerging Compost practices in the Russian Federation.  M.A. Chernysheva, V.N. Pervakova  Russia | Construction, Operation and Maintenance Cost of nature based Faecal Sludge and Septage Treatment Plants in Odisha State, India  P. K. Mohapatra; S. Majhi and B. K. Parida  Odisha, India |
| 17:10-  17:20 | Waste Management in a circular economy – Practices in Germany .Research activities at University of Stuttgart and the Indo German Centre for Sustainability  Garcés Sánchez 1,\* and M. Kranert,  Germany | Anerobic digestion of ocimum sanctum (holy basil): effect of  Inoculum and substrate concentration  Sumanth Kumar Matha, Dr K. Swapnavahini 2\* and Dr U. Kavya Jyothsna  AP, India | Plastic Waste Management: Issues & Challenges Of OdishaPurna C. Mahapatra, Basanta K. SahuOdisha, India | Biomass Microwave Pyrolysis: Minireview  Ahmed Elsayed Fodah1,\*, M. K. Ghosal2,\*\*, D. Behera3  Odisha, India | Swachh Bharat Mission- Planning, Implementation And Achievement  B. Chatterjee1, S. Roy2, N. Modak2,\*  Kolkata, India, | Treatment efficiency assessment of various Vertical Down Flow Constructed Wetlands comprising different medias to treat Industrial Wastewater.  Paulami Sahua\* and Yatri Chavdaa  Gujarat, Gandhinagar, India | Sustainable Management of Eutrophicated Water Bodies by Vermicomposting the Blooming Hydrophytes  Himansu Sekhar Sahu, Sunanda Sahoo  Odisha, India | Implementing FSM at scale: A case from the state of Odisha, India  Pritish Nanda, Bhawana Prakash, Ananya Ghosh, Deepak Nag, Sarith Sashidharan and Elisha Patnaik  Odisha, India |
| 17:20-  17:30 | Sculptures from Scraps A new area of Circular Economy  PanigrahyR.K. Gaya Chand Sahu, Zibul Nisha, Subasish Panda, 4SrinuRao  Odisha, India | Production of Methane Gas from SVU Kitchen’s Food Waste using  Anaerobic Digestion  K. Abraham, T. Pardhasarathy, B. Sures and T. Damodharam  Tamil Nadu, India | Waste Management of Polymer Composite Materials  Himanshu Sekhar Panda 1 and Sanjib Moulick  Odisha, India | Status of Municipal Solid Waste generation in the world and in India with emphasis on Refused Derived Fuel production and its utilization  Priyanka Tripathi\*, Anand Shivapuji, Lakshminarayana Rao  Karnataka, India | Utilization of Porous Frameworks as Smart Adsorbent Materials for Scavenging of Oil and Toxic Organics: A Novel Approach towards Swachh Ganga Mission  Debanjan Dey,Abhijit Hazra and Priyabrata Banerjee  Durgapur, India | Advantages of Common Effluent Treatment Plant: A Critical Review.  Sourav Suman a, Manash Gopeb, Rajnarayan Sahab  Durgapur, India | Resource Recovery by Composting Municipal Waste: Successive Developments in Sri Lanka  Anurudda Karunarathna, Thilini Rajapaksha2  Srilanka | A road map for faecal sludge Mng. in Puri with the co-existance of Sewerage and Septage project.  Sarith Sashidharan1, P. Nanda1, B. Prakash1, A. Ghosh1, Elisha Patnaik1 Deepak Nag1 and Prasanta Kr. Mohapatra  Odisha, India |
| 17:30-  17:40 | Navigating Circular Economy  Smarajit Roy  UK | Enhancement of Methane Production in Anaerobic Digestion of Food Waste Using Thermal Pre-treatment  Teshan Udayanga Habarakada Liyanage1, and S. Babel1  Thailand | **Climate Change & Environment Protection** | Waste to Energy for Sustainable Waste Management  Partha Das, Subho Samanta, Amit Ganguly  WB, India | Developing a composite ranking index for city ranking based on comparative analysis of Swachh Survekshan ranking parameters  Prayash Baruah  Assam, India | Waste water treatment and resource circulation in the East Africa Community (EAC).  Michael K. Koech  Kaburu J. Munene  Kenya | Enriched Composting:A Sustainable Strategy For Agricultural Waste Management  Apurba Das and Rituraj Baruah  Assam, India | Association of Insanitary Practices and Faecal Sludge Management with Drinking Water Quality: A Lesson Learnt from Sheohar District, Bihar  M.N. Roy, Soumyajit Basu, Sohini Tarafdar & Debasri Mukherjee  WB, India |
| Assessment of suitable biomedical waste treatment technologies using  multicriteria decision making tool – Analytical Hierarchy Process  M. Poornachander, T. S. Sasi Jyothsna and B. Chakradhar  Hyderabad, India |
| 17:40 –  17:50 | Municipal solid waste management and waste-to-energy in the context of a circular economy and energy recycling in Asian Countries  Anaya Ghosh, Sadhan Kumar Ghosh, Jyoti Prakas Sarkar, Bimal Das  WB, India | A review of Operating parameters, pre-treatment process and digester design effect on biogas production in Anaerobic Digestion  Amit Kumar Sharma1\*, Ravi K Dwivedi2, Bharat Modhera3  MP, India | Inventorisation and waste valorisation of ETP sludge from pharmaceutical industry in  a hazardous waste management and treatment facility  Swathy Sadala 1 , B. Chakradhar 1 , T. Vijaya Lakshmi 2 , Saikat Dutta 1, T. S. Sasi Jyothsna 1 \*  TS, India | Co-processing of Waste in India Using Biomass.  Rahul Baidya, Sadhan Kumar Ghosh  Kolkata, India | GIS enabled studies on the Physiochemical and Biological Characteristics of Land and Waterbodies in and around MAJOR dumpsites in Kolkata  Arkadeep Dutta1#, Anyeasha Dutta2, Debapriya Nandi3, Manua Banerjee1\*, Haru K Das1, Swarniv Chandra4\*  Kolkata, India | Kinetics and isotherm studies for the removal of Cr(VI) from synthetic hard water using Fe0 -Biochar composite.  Nitin Khandelwal a , Jai Kishan Rajak a , Mahima Prasad Behera a , Gopala Krishna Darbha  West Bengal, India- | Flow behaviour of Wastewater contaminants in compost with manufactured sand (M-Sand) under layered conditions  P.Balaganesh, S Shiva Nandhini2, K. Moneesh Kumar2, S PoojaRagavi2, S Amritha Shankar2, M.Vasudevan3, N.Natarajan4  India | Improving Faecal Sludge and Septage Management (FSSM) in Odisha through effective monitoring and evaluation  Deepak Nag, Pritish Nanda, Bhawana Prakash, Ananya Ghosh, Elisha Patnaik, Sarith Sashidharan and Prasanta Kumar Mohapatra  Odisha, India |
| 17:50 –  18:00 | Addressing the Sanitation value chain from a circular system perspective  Ambarish Karunanithi, Tanvi Tomar Shubhagato Dasgupta  Odisha, India | Pyrolytic Conversion of Polyalthia longifolia (Ashoka Leaves) at Different Temperatures for Production of Bio-oil and Biochar  Singh, G. Ahmed, S. Acharya, H. D. Kawale, N. Kishore  Assam, India | Synthesis of TiO2 using Calotropis Gigantea for Visible light Excitation and Degradation of pollutants  V Prashanth1, NeelancherryRemya 1,\* Indian Institute of Technology Bhubaneswar, Odisha, India | **Leachate and Landfill** | A Study on Swachh Bharat Mission in Industrial Town Rajgangpur  Sarojini Sahu  Odisha, India | The Impact of wastewater reuse from outfalls of River Ganga at Dakhineswar, West Bengal, India on the growth of Bitter Gourd (Momordica charantia L.  Sayanti Kar, Indrajit Ghosh, Amitava Ghosh, Pritam Aich, Gupinath Bhandari  Kolkata , India | Processing food waste into compost pellets with extended shelf-life  N. Srinivas, Raja P Pappu, A. Ram Sailesh3, K. Suresh Kumar4 and Sai S Nudurupati5  Visakhapatnam, India |  |
| Effect of Temperature on Adsorption of Municipal Solid Waste Leachate  using Soil as an Adsorbent  Dudam Bharath Kumar, S Jayalekhsmi  Odisha, India |
| 18:00 –  18:10 | Adoption of Circular Economy – A Study of Eight SMEs in Visakhapatnam  Sai S Nudurupati1, \*, Raja P Pappu2, Balaji Vedula3, Mukesh Kondala4  AP, India | Review: Solid State Reactor For Leaf Litter Digestion  Aastha Paliwal, Ashritha J, Hoysall N Chanakya  Karnataka, India | A Decision Support System for Environment Friendly Sustainable Model of IT Service Sector Industries  Ipsita Saha 1\* , Amit Kundu 2 , Sadhan Kumar Ghosh 3  Kolkata, India | Environmental Crime Scene Investigation (ECSI)  Challenges from Abandoned Waste Dumpsites: a  case study from Mysore  Hoysall Chanakya , Jai Prakash BS  Karantaka, India | A Study On Swachh Bharat: Swachh Vidyalaya Awareness Among Secondary School Students  Ganji. Dhana Lakshmi  AP, India | Biosorption of Methylene blue dye from aqueous solution using Husk of Lathyrus sativus  .  Indrajit Ghosh, Sayanti Kar, Subhanjali Chakraborty, Tamasha Chatterjee, Sudip Kumar Das  Kolkata , India |  |  |
| 18:10-  18.20 | Desperate Times Call for Desperate Measures - A Perspective of Circular Economy  Sowdamini Thatta, Raja P Pappu2, Sai S Nudurupati3  AP, India | Anaerobic digestion of yard waste: Effect of inoculum concentration and particle size of substrate on anaerobic digestion  Ravi Kumar D\*, Chanakya H N, Swati Bhatia, Dasappa S  Karnataka,India | Phytoremediation potential of Weedy plants in and around Municipal Dump Yard  R. Garuda1, G. Daka2, Raja P Pappu3, and S. Namuduri  AP, India | Assessment Migratory Behavior Of Pb And Ni Through Laterite Soil Used As Landfill Liner In Waste Containment Structure.  T. Sarkara, K. Adhikaria, A. Adhikaryb, S. Palb  West Bengal,India | Shared toilet services in dense urban areas through partnership with micro entrepreneurs  Bhawana Prakash and Sarith Sashidharan  Odisha, India | Recent trends in waste water treatment and their  Reuse – review of a case study.  S. N. Roy,T. Senthil Vadivel, Sourja Ghoshand Swachchha Majumdar, Kolkata India |  |  |
| 18.20- 18:30 | Symbiotic Recycling Systems for Creating Sustainable Habitats  Ganganarayan Das, Aditi Mishal, Biplab Patnaik  Odisha,India | Noxious weeds as an alternative form of energy, an approach to environmental management  Debasree Sinha, S. Balachandran, Shibani Chaudhury  WB, India | Empirical Study on Embodied Energy consumption in housing projects  Raja Sekhar Mamillapalli1 Sarbesh Mishra2  NICMAR Hyderabad  TS, India |  | Assessment of Swachhata (cleanliness) in Ekamara Kshetra precinct using  participatory approach  Ashaprava, Mohanta, Rabi Narayan Mohanty  Odisha, India | Pb (II) adsorption by various green adsorbents: adsorption studies, regeneration studies, scale up design and its effect on biological indicator.  Abhishek Das, Basab Brata Dey, S K Das., India |  |  |
| 18:30 - 18:40 | Achieving Sustainability through Lean Manufacturing: A Critical Review  Aneesh Kuruvilla1 , Biswajit Mohapatra2 , Aishwarya Dash3, Sushanta Tripathy  Odisha, India | Heterogeneous base catalyzed biodiesel synthesis from waste cooking oil using Mesua ferrea linn seed shellsBisheswar Karmakar, M. Aruna, Sumona Show, Gopinath HalderWB, India |  |  | A robust bi-objective multi-trip periodic capacitated arc routing problem for urban waste collection using a multi-objective invasive weed optimization;Erfan Babaee Tirkolaee1, [Alireza Goli](https://journals.sagepub.com/doi/abs/10.1177/0734242X19865340), [Maryam Pahlevan](https://journals.sagepub.com/doi/abs/10.1177/0734242X19865340)1, [Ramina M Kordestanizadeh](https://journals.sagepub.com/doi/abs/10.1177/0734242X19865340), Iran | Synthesis of dye sensitized monometallic-TiO 2 photocatalyst and phenol degradation  *Amit Kumar Behera*  *Odisha, INDIA* |  |  |
| 18:40 - 18:55 | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer |

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| 10:15 – 11:45 | **28/11/2019 : Registration of Delegates Day 2 starts at 9 AM** |
| **2nd Parallel Break out Technical Sessions, Day 2, 28/11/2019 (Thursday)** |

| 10:15 – 11:45 | **TS8** | **TS 9** | **TS 10** | **TS 11** | **TS 12** | **TS 13** | **TS 14** | **TS14S** |
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|  | **Decentralised MicroComposting for Odisha** | Climate Change & Environment Protection | **Waste Water** | **Smart Cities**  **City Specific** | **E-Waste** | **Fly Ash** | **Hazardous Waste** | **Community**  **Participation** |
| Chairs: Mr. Anil Kumar, IAS, Commissioner,BBMP,  Mr. Manoj Kumar Gangeya, Director, MoEF, GoI; | Chair: Dr Aniruddha Mukhopadhya  Co- Chair: Dr. Damodaran | Chair: Dr Shibani Chaudhury  Co- Chair: Prof. G Prasanthi | Chair: Dr. Premakumara  Co- Chair: Dr. D.K.Bera | Chair: Prof. Milan Pavlovisc  Prof. Subarnalatha Devi  Co- Chair | Chair:Mr Gopal Gupta, JK. Cement  Co- Chair: Mr Boralkar, Geocycle | Chair: David O. Olukanni  Co- Chair : JNTU, AP | Chair: T. K. Ghatak  Co- Chair : Mahalaya Chatterjee |
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| 10:15 – 10:25 | **Session Keynote speech :** Decentralised Micro Composting  Mr. G. Mathi Vathan, IAS, Principal Secretary, H&UDD, Govt of Odisha, India | Role of GHG Emissions from Livestock Waste Contributing to Climate Change over India: A short review  Bittu Ghosh , Prof. Dr. D.Bharath Kumar , Prof. Mohibullah  Odisha, India | Removal of Dye effluent using activated carbon prepared from Rice Bran.  Reena Roy, Dr. Ava Rani Phukan and Dr. Binita B. Kalita. Jorhat  Assam, India | The Role of Developers and Citizens in Provisioning Sustainable Waste Management –  A Case Of A High End, High Rise Apartment Complex  Sukanya Dasgupta,  Sudha Panda,  Odisha, India | Innovative E-Waste Management Initiative Integrating Institutional Infrastructure  Ar. Saharsha Naik,  Ar. Suhel Makandar  Maharashtra, India | Development of flexible pavement cost models for  weak subgrade stabilized with fly ash and lime  Satya Ranjan Samal,  Malaya Mohanty  Odisha, India | Basic Study of Hazardous Waste Management: Transportation, Treatment and Disposal Methods.  Saptarshi Kar, Sumanta Banerjee  West Bengal,India | Knowledge, Practice and Attitude of Community on Solid Waste Management.  S. Giri  Nepal |
| 10:25 – 10:35 | **Session Keynote speech :**  Waste Management in citis in Japan - Mr. K. Onogawa, Director, CCET IGES, Japan | Bioindicators for monitoring of ambient air pollution and its bioremediation -A Review  Shritama Mukhopadhyaya, Aparna Dharaa, Ratna Duttaa  Kolkata, India | Defluoridation of wastewater using hap-coated-limestone in a continuous fixed-bed column.  Rajkama Mohan, Robin K. Dutta.  Assam, India | Solid Waste Management for Smart cities in India  Faiz Ahmad Siddiqui and Prashant  Bihar, India | E-Waste Management in India: Prioritization of Challenges  Deepak Singhal, Apurv Singh, Amit Sutar, Sushanta Tripathy  Odisha, India | Fly Ash Based Rubberized Geopolymer Concrete – Pathway For Ecofriendly Environment  T. Senthil Vadivel1 and Manjula Karmakar  WB, India | Treatment Storage and disposal Facility (TSDFs) for Sustainable management of Hazardous Wastes  Swathy Sadala, Radhika Raghava, T. S. Sasi Jyothsna, B. Chakradha  Hyderabad, India | Solid waste Management: Role of NGOs and CBOs  P.M. Gawali, B.R. Honparkhe  Maharashtra, India |
| 10:35 – 10:45 | Decentralised Composting at Bangalore  Dr Sandhya Jaykumar, BBMP, Bangalore, India | Assessment of Ground water Quality in the Komarthy watershed, Srikakulam, Andhra Pradesh, India  K. Rambabu, g. Swathi, b. Anandagajapathi raju1, k. Laxminarayana3  A.P, India | Waste Management and Clean Water from Aquatic Macrophytes infested Ponds in Rural,Bengal: A Social Study.  Sreya Ghosh, Tapas Bagdi, Prof. Amit Hazra. Santiniketan. India | Sustainable Wet Waste Management Techniques adopted by Bengaluru - A Case study  Sumangala Patil1, Anusha Inamdar, Dr. Jyothilakshmi R, Dr. Sandhya Jayakumar, Prajval. Jayakumar  Karnataka, India | Studies On Pyrolysis Of Waste Printed Circuit Boards  Aparna Ray Sarkar And Ankit Khettry  WB, India | Utilisation Of Fly Ash As A Replacement Of Sand In Concrete For Sustainable Construction  Sukamal Kanta Ghosh and Ankita Sikder  WB, India | Approach for Indexing Site Selection Criteria and its Suitability for Treatment Storage and Disposal Facility  Swathy Sadala, B. Chakradhar, T. Vijaya Lakshmi, Saikat Dutta, T. S. Sasi Jyothsna  Hyderabad, India | Sustainability Conscious Environmental Issues during Machiningof Hardened and Super Alloys Steel  Rabinarayan Bag, Amlana Panda, Ashok Kumar Sahoo, Ramanuj Kumar  Odisha, India |
| 10:45 – 10:55 | Decentralised Composting at Gated Community and home composting  S. K. Ghosh, , Jadavpur University, India, | An Analytical Approach On Effective Selection Of Sustainable Materials In Construction Industry By Environmental Management System (EMS) & Green Supply Chain Management  Srinivas Vasama, K. Jagannadha Raob, V.Seshagiri Raoc, Vasu Kathi,  TS, India | Waste water treatment of textile industry: Review.  Suravi Konwar, Binita Baishya Kalita. Assam , India | Analyzing the potentiality of creating a zero-waste city in the urban area of Varanasi  Awadhesh Kumar  Jabalpur, India | Waste management and recycling of plasticized polyvinyl chloride cable  (PPVC) and printed circuit boards (PCB) for roof membrane application,  Ashish BaburaoJadhav, Bimal Das, Deepshikha Datta  Odisha, India | Sustainable use of ferrochrome ash (FCA) in the production of ambient cured geopolymer concrete containing GGBFS, fly ash: An Industrial Solid Waste Management (ISWM) Strategy  J. Mishra 1\* , S. K. Das 2 , B. Nanda 3 , S. K. Patro 4 , S.M. Mustakim  Odisha,India | Assessing the safe management of hazardous waste repository by laboratory scale contaminant transport experiments  Nitin Kumar Khandelwal, Mithu Mondal, Gopala Krishna Darbha  West Bengal,India | Kasa Kiosk: Your Clean Neighbourhood Partner,  An innovative solution to reduce black spots in Bangalore city  Naveen YS  Bangalore, India |
| 10:55 – 11:05 | Waste analysis and characterization study of a hill station: A case study of Baguio City, Philippines[Marcelino N Lunag, Jr](https://journals.sagepub.com/doi/abs/10.1177/0734242X19866249)1, [Jeffrey Z Duran](https://journals.sagepub.com/doi/abs/10.1177/0734242X19866249)1, [Eugene D Buyucan](https://journals.sagepub.com/doi/abs/10.1177/0734242X19866249)2 Philippines | Waste Management Strategy of SME Sector towards Environmental  Sustainability  Ipsita Saha 1\* , Amit Kundu 2 , Sadhan Kumar Ghosh 3  Kolkata, India | Conversion of Dairy effluent into Biofertilizer using Microbial Formulation.  Mandakini Gogoi1\*, Shaon Ray Chaudhuri, Tripura, India | Assessing the Awareness of Citizen on Municipal Solid Waste Management in the City of Kolkata: A Case Study  Rahul Baidya1\*, Sadhan Kumar Ghosh2  Kolkata, India | Optimization and enhancement of metals bio-extraction from radio waste printed circuit boards using response surface methodology  Asha B Sodhaa, Shital C Thackera, Devayani R Tiprea, Shailesh R Dave  Gujarat, India | Geopolymer Concrete Using Fly Ash And Rice Husk Ash - A Go Green Approach For Concrete Industry  Bidhan Ghosh1 and T. Senthil Vadivel2  WB, India | Sustainable Disposal Strategy of Solid and Hazardous Wastes Generated from Oil and Gas  Exploration and Production Processe  Dilip Kumar Bera  Delhi, India | Awareness, Attitude and Practice of Household Waste Management among Rural Women  Runamani Baro  Assam, India |
| 11:05 – 11:15 | A Study of vehicle tracking and monitoring system in solid waste management in Indore city  Archana Purohit,  Mohini Jadon  MP, India | Effect of cyclones on environment, structures, and lives of people of eastern coast of odisha: a case study on fani  Padma  Priyadarshini Parija and Purnachandra Saha  Odisha, India | Utilization of Jute caddies for wastewater treatment.  Lata Ramrakhiani, Swachchha Majumdar and Sourja Ghosh, Kolkata, India | Sustainable Integrated Solid Waste Management with Innovative approach at TMC Madhugiri, Tumkur (D) Karnataka  Lohith D, Sowmya B R  Karnataka, India | Kinetic Studies on FR-2 type Waste Printed Circuit Board (PCB) Pyrolysis  Biswajit Debnath 1 , Aritro Das 1 , Ranjana Chowdhury 1,\* , Sadhan Kumar Ghosh  Kolkata, India | Ash@ Functional material: Utilisation of Waste Ash Materials for Sterling  Applications  Abhijit Hazra, Saikat Das, Naresh Chandra Murmu, Priyabrata Banerjee  WB, India | Basic Study of Hazardous Waste Management: Transportation, Treatment and Disposal Methods  Saptarshi Kar1, Sumanta Banerjee2  WB, India | Evolution of multidrug resistance community acquired uropathogenic bacteria in  children, a burden to society  Purabi Chhuria ; Ratikanta Tripathy; Niranjana Mohant; Abhinav Gaurav; Nirmal Kumar  Mohakud  Odisha, India |
| 11:15 – 11:25 | Household Organic Waste Management using Takakura Home Method  P. Limpiteeprakan, S. Tubtimhin  Thailand | Toxic Elements in waste: potential resources for colour glass.  AK Mandal  WB, India | A comparative study on the use of iron and aluminium as electrode-material for remediation of phosphate- contaminated synthetic wastewater by electrocoagulation Odisha.  Avishek Bakshi, Akshaya Kumar Verma, Aditya Kishore Dash  Odisha, India | Impact of Urban Sprawl on Public Health: An Analysis of Bhopal City  Mr. Durgesh Kurmi  M.P, India | Separation of metals and non-metals from EoL mobile circuit boards  G. Ellamparuthy, S. Das, S. I. Angadi\*, M. K. Ghosh and S. Basu  Odisha, India | Flyash based geoploymer brick with landfill soil  Mohamed suhail thayyil, Renu pawels 2  Kerala, India | Morphological Characterization and Structural Alteration of Acid Treated  Asbestos-containing Wastes for Gainful Applications  Richa Singh 1 , Bakul Rao 2 and Shyam R. Asolekar  Maharashtra, India | Efficacy of training programme on knowledge and practice regarding Biomedical waste management among  health personnel working at Community Health Centre, Khurda district  A.D. Topno, S. Sonalika, T.R. Swain,  Jharkhand, India |
| 11:25 – 11:35 | Discussion on issues and Challenges in ULBs in Odisha,  Participating ULBs in Odisha will deliberate | Waste Burning & Energy Poverty in Rural West Bengal: A Micro Level study  Anuradha Sarkar, Aman Ghosh, Arpita Hazra, Prof. Amit kumar Hazra  WB, India | Sewage sludge  management options for Navi Mumbai, India: A resource recovery perspective  V. Singh, H. C. Phuleria and M. K. Chande  Maharashtra, India | A study to assess the Households solid waste segregation and disposal behaviour  among people of selected area,  Niyati das ,Nibedita Mohanty  Odisha, India | Electronic Waste: Current Scenario of Issues, Strategies and Management  Saptarshi Kar, Sumanta Banerjee  WB, India | Utilization of Coal Fly Ash Generated from Manufacturing and Power Generation Plants for Circular Economy  Madhusmita Mishra  Odisha, India | Sustainable management of hazardous fluoride contaminated waste and sludge: A brief review.  Udayan Mondal, Somrita Nag, Harish Hirani, Asit Kumar Batabyal, Priyabrata Banerjee. Durgapur , India |  |
| 11:35-11:45 |  | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer |
| 11:45-12:00 | **Tea / Coffee Break - 11:45-12:00** | | | | | | | |

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| 12:00-13:20 | **3rd Parallel Break out Technical Sessions, Day 2, 28/11/2019 (Thursday)** | | | | | | |
|  | **TS15** | **TS16** | **TS17** | **TS18** | **TS19** | **TS20** | **TS21** |
|  | **Panel Discussion on**  **Best Practices in Industries** | **Policy** | **Waste Water** | **Nanotechnology applicable to WM** | **Waste Water** | **SWM** | **Open for any discussion** |
|  | **Chairs:** OSPCB and President, Industry Association | Chair: Mr. Choudhury Rudra Charan Mohanty  Co- Chair: Dr. Abas Basir | Chair: Dr. Sai Sudhakar  Co- Chair: Dr Sutripta Sarkar | Chair: Dr. David Olukum  Co- Chair: Dr. Ojowuro | Chair: Dr. Lata Ramrakhiani  Co- Chair: Dr. Sanjay Kr. Patra | Chair: Dr Michael Nelles  Co-Chair: Mr. Situ Pattanaik | Any group can have brain storming discussion |
| 12:00-12:10 | **Session Keynote speech :** Weate Management and Resource Circulation initiatives in Industries in Odisha,  Dr. Debidutta Biswal, IFS, Member Secretary, Odisha State PCB, Govt of Odisha, India | Adoption Of Micro Composting Process – A Modified Strategy – For Solid Waste Management In Urban Local Bodies Of Odisha  Samir Kumar Panda, Sangramjit Nayak, Kalyan Kumar Rath,  Odisha, India | Microbial Treatment of Dairy Waste Water for reuse.  Tethi Biswas, Shaon Ray Chaudhuri,  Tripura, India | Green synthesis of Ag/AgCl nanoparticles using leaf extracts of Acalypha hispida: its characterizations and evaluation of its disinfection’s property for waste drinking water management  Chirantan mukherjee, Dr. Mahua Ghosh Chaudhuri, Dr. Nipu Modak,Kolkata, India | Impacts of waste-water on arsenic pollution of groundwater in the western bank of river Bhagirathi in Bengal Basin, West Bengal, India., Ghosal,  Soumyajit Basu, Utsha Dasgupta and P. K. Sikdar ,  Kolkata, India | Challenges in Solid Waste Management System in the Context of Climatic Change- Guidelines for Resilience of the System  Aich A, Ghosh S K  West Bengal, India |  |
| 12:10-12:20 | To be coordinated by Odisha State Pollution Control Board  Interested delegates from Industries and researchers are requested to participate in the discussion | Waste Monitoring and Management: Strategies, Innovations and Safety Considerations  Prof AcSIR  Lucknow, India | Study of Water and Wastewater Treatment at Hindustan Coca-  Cola Pvt. Ltd. at Khurda, Odisha, India  Sushree Sasmita, Dudam Bharath Kumar  Odisha, India | Removal of Hexavalent Chromium using Agricultural waste based nanocomposite  V. Chakraborty1, P. Das2,\*, P. K. Roy1  Kolkata, India | Pollutant removal kinetics of aerobic granular reactors operated with different inoculums and hydraulic retention times during diesel wastewater treatment.  S. Ghosh , S. Chakrabort, Guwahati, Assam, India | Development of photocatalyst modified bitumen emulsion for the degradation of vehicular NOx  Toufic Aslama, Byomkesh Mahantyb, Jamirul Islamc, Sandip Mondal  WB, India |  |
| 12:20-12:30 | Acoustic Uses of Recyclable Materials - Development of Industrial Noise Shield Family,  Attila Tan, CEO of Akusztika Ltd, Hungary. | Using a composite index to form a urban score card for basic infrastructure  Services  Sudha Panda  Sukanya Dasgupta  Odisha, India | Effect of Wastewater from Outfalls of River Ganga on Morphological and Biochemical parameters of Bitter Gourd (Momordica charantia L.) in response to Low Molecular Weight Peptide(s) synthesis (3.0-0.5kDa) and Antioxidant activity study.  Sayanti Kar1\*,  Indrajit Ghosh, Amitava Ghosh, Pritam Aich, Gupinath Bhandar, Kolkata, India | Application of Nanoparticles on Anaerobic Digestion of Organic Waste for Sustainable Waste Management: A Review  T. A. M. Abdelwahab\*, M. K. Mohanty, P. K. Sahoo, D. Behera  Odisha, India | Pertinent approach to assess the performance of clay soil blended with Moringa Oleifera (Drum stick) dust as adsorbent of chromium (VI) ions from aqueous solutions.  Chandrima Bhadra ,Kanchana Debnath ,Julee Kumari ,Swarnamoy Kundu , Saurabh Suman,  Kolkata, India | Empirical investigation on Sustainable Solid Waste Management in India  Homang Chetri, Raju Sharma  Assam, India |  |
| 12:30-12:40 | Best practices on Sustainability & Climate Change initiatives at Tata Steel BSL Limited ".  Saroj K Banerjee, Chief Environment  Tata Steel BSL Ltd. | Solid Waste Management: A Peep through the Effectiveness of Legislative Policies  Nazmin Sultana,Rajinder Singh  Assam, India | Adsorption of safranin dye from aqueous solution using coconut coir.  Subhanjali Chakraborty1,2, Tamasha Chatterjee1,2, Indrajit Ghosh1,2, Sayanti Kar2, Sudip Kumar Das. Kolkata, India | Enhanced photocatalytic activity of mechanosynthesized heterostructured  BiFeO3 nanocomposites in the degradation of organic pollutants and heavy metals from wastewater  Moumita Mondal and S. K. Pradhan  WB, India | Ceramic Membrane Fabrication and Utilization for Wastewater Treatment,  N. Malik1, V. K. Bulasara, S. Basu, Bhubaneswar, India | Harnessing Environmental and Economic Benefits of Waste Management: Case of Indian Educational Institution  Amit Kumar Jaglan  Brajesh Kumar Dubey  WB, India |  |
| 12:40-12:50 |  | Disparity among Urban & Rural Solid Waste Management,  Thilini Rajapakshaand Anurudda Karunarathna, Sri Lanka | Comparative batch mode study for adsorptive removal of fluoride from drinking water using treated and untreated laterite soil.  Barnali Mandal\*, Sattar Mallick  Kolkata , India | Application of Nanoparticles for the Removal of Lead and Chromium from Waste Water: A Critical Review  Saswata Sahua, Mouni Royb, Ipsita Somb and Rajnarayan Sahab  WB, India | Sequestration of Brilliant Green Dye from Aqueous Solution on a Biomaterial made from Coriander Leaf: Kinetic and Isotherm Studies,  Hemanta Mukherjee and Soma Mukherjee  West Bengal, India | Role of Lipases in Waste Management: A Review  Sutripta Sarkar\*, Nabanita Roy  WB, India |  |
| 12:50-13:00 | Experience Sharing in running Biogas plant in India as an entrepreneur,  Sreesha Mlayil | Impact of Municipal Solid Waste in Achieving the Targets of Sustainable Development Goals (SDGs)  Chowdhury S R, Ghosh S K  Kolkata, India | Bioattenuation of poly-aromatic compounds by an isolated bacterial strain: Process optimisation and toxicity analysis.  Uttarini Pathak,Dalia Dasgupta Mandal, Papita Das, Tarkeshwar Kumar, Tamal Mandal  WB, India | Facile preparation and characterization of a novel starch/ZnO Nano-composite for efficient adsorption of hexavalent chromium [Cr (VI)] from aqueous environment  Saif Ullah Khan; Mohd. Farhan Khanb; I. H. Farooqia  UP, India | Phytoremediation of Waste Water using Water Hyacinth (Eichhornia crassipes) of a Food Processing Industry in West Bengal: A Case Study,  Md. Tahariaa, Susanta Podderb, Soumi Betala, Suparna Dhara, Soma Mukherjee, Kolkata, West Bengal, India. | Application of remote sensing and GIS technology in  Solid waste management: a case study of Arambagh  Municipality, Hooghly district, west Bengal, india.  Haidar Ali Tarafdar , Debasish Das  WB, India |  |
| 13:00- 13:10 | Discussion by other industries and researchers | Legal framework for the temple management-A case study of Shree Jagannath temple, Puri  Sasmita Samanta, R K Nanda, P Rautaray  Odisha, India | Emerging role of smart red light emitting fluoride sensors in real sample analysis:A short review  Soumi Betal, Hemanta Mukherjee, Soma Mukherjee  WB, India | Development of Nanosized Cellulose from Nahar Seed Buckles- An Approach Towards Solid Waste Management  Suvangshu Dutta, Bedanta Kr. Borah  Assam, India | Sorption of Zinc from Aqueous Solution by Chemically Modified Polymer Adsorbents  P.S Jassal,∗ Priti Rani  New Delhi | Waste Segragation At The Source In Germany– A Key Component Of Sustainable Waste Management Systems  Michael Nelles, Jan Sprafke1 Isabell Eickhoff1 and Gert Morscheck  Germany |  |
| 13:10-13.20 |  | Current practices, future strategies, energy prospect, global warming potential and economic aspect of municipal solid waste: Himachal Pradesh  Ankur Choudhary, Ashish Kumar\*, Sudhir Kumar  Ankur Choudhary  HP, India | Adsorptive removal of Safranin dye from aqueous solution using Coconut coir and its activated forms  Indrajit Ghosh, Sayanti Kar, Tamasha Chatterjee, Subhanjali Chakraborty, Sudip Kumar Das  WB, India | Application of nanotechnology in waste management - An overviewD. Bharathi\*, K. Nagalakshmamma, A. Suvarna Latha, S. ArchanaAP, India | Immobilization of Malachite Green from Wastewater on TNT surfaceSaismrutiranjanMohanty 1, Sanjib Moulick2, Samaresh Jana1,Sanjoy Kumar MajiOdisha, India | SWM management practice in a tourism destination – The status and challenges: A case study in Hoi An City, Vietnam,Song Toan Pham Phu, [Takeshi Fujiwara](https://journals.sagepub.com/doi/abs/10.1177/0734242X19862042), [Giang Hoang Minh](https://journals.sagepub.com/doi/abs/10.1177/0734242X19862042), [Dinh Pham Van](https://journals.sagepub.com/doi/abs/10.1177/0734242X19862042), Vietnam |  |
|  |  |  | Experimental investigation of Microwave and solar-photo assisted Fentons reaction for the Oxidative Degradation of Rhodamine B dye in wastewater  Indrashis Saha  WB, India | Study on identifying the  Factors influencing green cosmetic products  Akankshya Patnaik, Aishwarya Dash, Sushanta Tripathy, Akankshya Patnaik  Odisha, India | Evaluation Of The Effect Of Anolyte Recirculation And Anolyte Ph On The Performance Of A Microbial Fuel Cell Employing Ceramic Separator S Bagchi, M.Behera  Odisha, India | [Waste analysis and characterisation study of a hill station: A case study of Baguio City, Philippines](http://el.sagepub.com/wf/click?upn=IRYs-2F0hVsQWQj8bBzIcNDi-2BCvI-2FNreq-2BoR3OH0EnaU86CcL-2FwOj6Ya1LYXYyq8sGrinvpSyzQPzRJ7M9iQ5iY5fu3-2F99nSDcdIgaxP-2F6891BPsPkbobL9QIldcDdGfK-2B_S503u7QOlSBmu-2F0gfOTL3-2BFtU38QXkYJ-2F8hK5-2Ba-2FE-2F9Grr6GcIV0KL-2B8uqQ16xie41Io2NmApjYruitdjIcghByoxZ7M8OsOIbkit-2F3D0gIyGpTfAAVALjseyvZ1wTbWf4EpAi1LWlbcQ7BLC9ZI-2FmiX04X4BZKwAHEokdpyWcVHxSQhqxbmccU17i-2BS4btExsrjnofu-2FAff0wQaSNum3gy1MQ6UeU-2F1jJ4oVFhNgBfwxMKMGKe7psXX6UD3wZo9zaB5uM2EDRJmzhprzOEPHHVH0PpuI6KPrm6n0ZF9LF0Q58qy5D-2BQsVjVbIVvy3HF),  [M. N Lunag, Jr](https://journals.sagepub.com/doi/abs/10.1177/0734242X19866249), [Jeffrey Z. Duran](https://journals.sagepub.com/doi/abs/10.1177/0734242X19866249), [Eugene D Buyucan](https://journals.sagepub.com/doi/abs/10.1177/0734242X19866249),Philippines |  |
| 13:20 - 13:30 | Question Answer | Question Answer | 13.30-13.40 :  Question Answer | Question Answer | 13.30-13.40 :  Question Answer | 13.30-13.40 :  Question Answer | Question Answer |

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| 15:50– 17:20 | **4th Parallel Break out Technical Sessions, Day 2, 28/11/2019 (Thursday)** |

|  | **TS 22** | **TS 23** | **TS 24** | **TS25** | **TS 26** | **TS 27** | **TS28** |
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| **SWM** | **Waste Water** | **Plastic Waste** | **Landfill & Leachate** | **Nanotechnology in WM** | **Waste Utilization-**  **`Agro Waste** | **Bio Energy** |
| Hall Manager |  |  |  |  |  |  |
| Chair: Dr. Farkas Hilda  Co- Chair: Dr. Asit Aich | Chair: Dr P. K Mohapatra  Co- Chair: Dr. C. L. Venkatarao | Chair: Dr Amit Ghosh  Co- Chair: Prof. T. Mohanty, KIIT DU | Chair: Registrar, / Damodharan, SVU  Co-Chair : Dr. Vasanthy | Chair: Prof. P. K. Parhi  Co-chair: Dr. Sourya Ghosh | Chair: Dr. Rohit Kumar  Co-chair : Dr. Arne Ragossnig | Chair: Dr Kirubakaran  Co- Chair: Dr. Rahul Baidya |
| 15:50– 16:00 | Sustainable Solid Waste Management: Principles and Practices in Punjab  State (India)  Amanjot Kaur  Chandigarh, India | Evolution and Recent Research Trends in Constructed Wetland Mediated  Environmental Remediation and Future Prospects: Review  A. Biswas, S. Chakraborty  WB, India | Study the Impact on Global Plastic Waste Trade: Challenges and  Emerging Solutions to the China’s Plastic Ban  Anaya Ghosh a ,\* and Sadhan Kumar Ghosh  WB, India | Native bacteria from coalmines can help in bioremediation of in situ chromium contaminated sites  Bomba Dam, Sohini Banerjee, Arijit Misra  W.B, India | Application of nanotechnology for pharma industry  Effluent treatment - a sustainable process development  Ranjana Das, Chiranjib Bhattacharjee  Kolkata, India | Utilization Of Agricultural Solid Waste For Production Of Alkaline Protease By Isolated Strain Alternaria Alternata TUSGF 1  Tapasi Polley, Uma Ghosh  Kolkata, India | Solid-Liquid Extraction Of D-Limonene from Citrus Wastes for Optimal Biogas Generation  Oluwatosin J. Ogundare and David O. Olukanni  Nigeria |
| 16:00– 16:10 | Waste Management in Kolkata - study of waste hotspots  Sadhan Kumar Ghosh and Sayan Mukherjee  WB, Kolkata | Adsorption of heavy metals from contaminated water utilizing carbon nanotubes - a mini review.  Abhijit Saha, Sucharita Samanta, Sumona Show, Bisheswar Karmakar, Gopinath Halder.  Durgapur, India | Comparative Study Of Biodegradation Between LDPE And Starch Incorporated LDPE Matrix Towards Application In Packaging Material  Sucharita Samanta, Bisheswar Karmakar, Gopinath Halder  WB, India | Odor Intensity and Health Risk of Scavengers in landfill site of WarinchamrapMunicipality, Ubon Ratchathani Province.  N. Chakhamrun, A. Khotjun  Thailand | Iron Oxide impregnated rice husk derived lignocellulosic nanobiosorbents for rapid adsorption of Arsenic: Statistical optimization of batch parameters using response surface methodology  Bikash Kar Nath , Chayanika Chaliha , Eeshan Kalita  Assam, India | From Waste to Wealth: Solid Waste Management for Enhancement of Agricultural Productivity in Himachal Pradesh, India  Disha Thakur, Rishi Rana  HP, India | Effect of ultrasonic pretreatment on anaerobic digestion of lignocellulosic waste: A comparative study  Sagarika Panigrahi1, Brajesh Kumar Dubey  WB, India |
| 16:10– 16:20 | Synergistic Interaction among Supplementary Cementitious Materials  (SCMs) for Sustainable Solid Waste Management  Kaveti Anithamma1, N. Niranjan Kumar2, Dilip Kumar Behara3  India | Phycoremediation of wastewater and their potential in biomass and biodiesel production.  Halifa S.M. H. Eldiehy, Doljit Borah and, Dhanapati Deka  Tezpur , Assam | Kinetic approach of studying the effect of different reagents and catalysts for thermal  degradation of high density polyethylene  Sthitapragyan Patnaik, Achyut Kumar Panda  Odisha, India | Selection of potential site for urban landfills using GIS based multi-criteria decision making (MCDM) technique: A Review  Dwarika Mohan Das1, S. K. Raul2 and Kshyana P. Samal3  Odisha, India | Photocatalytic degradation of Malachite Green dye under solar light irradiation using ZnO and ZnO-TiO 2 nanoparticles  Pragyan P. Rath , Barsharani Priyadarshini , Shuvendu Singha , Suraj Tripathy, Sanjib Moulick, Tapas Ranjan Sahoo  Odisha, India | An effective use of an agricultural waste as Silpozz in concrete  L.Sabat, S. Dey, C. K. Kundu  Odisha, India | Biodiesel Production from foodwaste using NaOH as Catalyst  Nibedita Sarkar, Pradip Chatterjee Amit Ganguly  Durgapur, India |
| 16:20- 16:30 | Management of solid waste - An overview  D. Bharathi, B. Hemavathi and A. Shobha Rani  AP, India | Riddance of surfeit fluoride from water with the help of conventional eco-friendly waste materials: A viable solution to get rid of fluoride adulteration.   1. Mondal, S. Maity, J. Chakrabarty, P. Banerjee.   Durgapur , India | Comminution of Poly(vinyl chloride) (PVC) cable waste for the generation of micro-powder structures  Sunil S Suresh\*, Omdeo K Gohatre, Jaidev K, Manoranajan Biswal, Smita Mohanty, and Sanjay K Nayak  Odisha, India | Anaerobic co-digestion of landfill leachate and sewage sludge: Role of substrate ratio  N. Anand, Srinjoy Roy, P. Sankar Ganesh  Hyderabad, India |  | Sustainable agriwaste management at farm level through self-reliant farming system  S.K. Rautaray\*, S. Raychaudhuri, R. Dubey, S. Pradhan, S. Mohanty, R.K. Mohanty and S.K. Ambast  Odisha, India | Effect of extrusion on the bioenergy production from organic fractions of Municipal solid waste  V. Mozhiarasi C. Speier D. Weichgrebe S.V. Srinivasan  TN, India |
| 16:30-  16:40 | Solid Waste Management in the Southern Fringes of Kolkata  Dipankar Bhattacharjee  WB, India | Application of economically viable and environmentally benign bio-technologies in the realm of waste water remediation.  S. Bej, R.Das, H. Hirani, P. Banerjee.  Durgapur , India | Reinforcement of unsaturated polyesters using jute natural fiber and egg shells as filler to refine the mechanical properties  Rakhi Pal, 1Bidisha Sarangi,1Deepshikha Datta  Odisha, India | Municipal Solid Waste Dumpsite Management for an Urban Local Body – A Case study  R. Radhika, B. Chakradhar, M. Anji Reddy, Saikat Dutta, T S Sasi Jyothsna\*  Hyderabad, India | **Biomedical Waste** | Fibres from Agricultural Wastes of Banana Cultivation: A Review on Sustainable Generation of  Wealth for Textile Industry from Waste.  Lipsita Saha, Aniruddha Mukhopaddhayay and Debasish Das  Kolkata, India | Hydrolysis of age old Rice Straw pretreated with tartaric acid in the production of bio-ethanol  A Mukherjee1, T Mandal2, A Ganguly3\*, and P K Chatterjee3  Durgapur, India |
| Biomedical Waste Management: Odisha Perspective  B.K.Sahu, Monalisha Kanar, Swagatika Patra  Odisha, India |
| 16:40-  16:50 | Challenges to Ensure Healthy Living through Sanitation and Hygiene  Coverage: Study on Narail District, Bangladesh  Bangladesh | An advancement towards systematized management of arseno-sludge engendered during dearsenification of ground water resources: A systematic case study.  Suparna Paul, Anindya Roy, Harish Hirani, Naresh Chandra Murmu and Priyabrata Banerjeea,  Durgapur , India | Optimization study on the effect of different plastic films on municipal solid waste by response surface methodology  Bidisha Sarangi,1Shaikh Raj, Amrit Pritam Rout, Deepshikha Datta, Bimal Das  Odisha, India | Natural coagulants from Dillenia indica seeds for removal of persistent organic pollutants  in landfill leachate  Agamuthu P., Aziz A., Hassan, A , Fauziah S. H.  Malaysia | Occurrence, sources of antibiotics in drug residues along with thier conventional treatment techniques: A critical review  Nadeem Ahmad Khan1, Sirajuddin Ahmed1, Izharul Haq Farooqi2, Saif Ullah Khan2, Aastha Dhingra1, Xanel Vecino3, Mustafa Al Aukidy4  India | Agro waste for doubling income of Assam  Samikhya Bhuyan, Smita Bhuyan  Assam, India | Strategic Niche Management in biomass energy supply chain in North East India  Mridul Dutta  Assam, India |
| 16:50-  17:00 | Innovative Solid Waste Retentive Structures for Solid Waste  Generated In Goa  Leonardo Souzaa\* , Purnanand Savoikarb  and K G Gupthac  Goa, India | Microbial Fuel Cell integrated Constructed Wetlands: Innovative Wastewater Treatment System with Simultaneous Electricity Generation and Other Futuristic Applications  Supriya Gupta and Asheesh Kumar Yadav  Odisha, India | Comparative and recycling analysis of waste PVC flex/banner with virgin PVC material  Omdeo K. Gohatre1\*, Jaidev K.2, Sunil S. Suresh3, Manoranjan Biswal4, Smita Mohanty5  Odisha, India | Settlement Analysis Of Municipal Solid Waste In Non-Engineerd Landfill In Himachal Pradesh  Disha Thakur1, Rajiv Ganguly\*1 Ashok K. Gupta1  H.P, India | Enhancing Knowledge & Awareness among ICU Nurses Regarding  Bio-Medical Waste Management in PBMH, Bhubaneswar  A. Panda 1 , S. Nayak 2 , P. Kumari 3 , C. Pradhan  Odisha, India | Utilisation of industrial and agricultural waste as partial  replacement for sand - a review  Snehal Waingankara, and Purnanand Savoikar  Goa, India | Agricultural waste to biogas energy: Design and simulation using the Anaerobic Digestion Model No. 1 Preseela Satpathya\*, Frank Uhlenhutb, Chinmay Pradhana  Odisha, India |
| 17:00 - 17:10 | Sustainability of Waste Management in Urban Local Bodies(ULB)  Narciana Jesmin  WB, India | Application of Groundnut Shell for Waste Water Treatment.  D. Ghosal, V.K.Singh, A. Singh  Bhubaneswar. India | Turning Waste to Product- Plastic Waste Recycling in the Rohinya Camps, Cox Bazar  Nashid Mumtaz , Iffat Khan, Kazi Rashed Hyder, Hossain Ishrath Adib  Bangladesh | Estimation of Landfill Gas Emission and Energy Recovery Potential from an Open Dump Site of Kolkata Using LandGEM and MTM Model  Shri Babul Das 1, Dr. Tumpa Hazra 2  Kolkata, India | Knowledge, Attitude, and Practices on Biomedical Waste Managementamong Nursing Professionals in a Tertiary Care Hospital, Bhubaneswar, Odisha  Kulumina Das, Minati Das  Odisha, India | Problems and Prospects of Tea Industry in India  Raktim Dasgupta 1 , Sadhan Kumar Ghosh Arup Ranjan Mukhopadhyay 3  Kolkata, India | Green Algal Waste: A Potent Source of Biofuel  T. Chandrasekhar\*, D. Varaprasad, N. Raga Sudha and K. Paramesh  AP, India |
| 17:10 -17:20 | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer |
| 17:20-17:35 | **Tea / Coffee Break & Networking** | | | | | | |

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| 17:35–  19:00 | **5th Parallel Break out Technical Sessions, Day 2, 28.11.2019 (Thursday)** |

|  | **TS 29** | **TS 30** | **TS 31** | **TS32** | **TS33** | **TS34** | **TS35** |
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| **Plastic Waste** | **Industrial Waste** | **Waste Utilization** | **Landfill & Leachate** | **Waste Water** | **Bioenergy** | **Open House for discussion** |
| Hall Manager : |  |  |  |  |  |  |
| Chair: Prof. Benu Gopal Mohapatra  Co- Chair: KIIT | Chair: Suresh Mahapatra,  Co- chair: Mr. S Patil, Kesoram Ind. Ltd. | Chair: Me. Anbendren Pillay, Co- Chair: Dr. Monish, IIMT | Chair: Prof. S Mohanty  Co-Chair : Prof. Sudhakar, N | Chair:  Prof. Tapas Das  Co-Chair :Prof. Francesco DiMaria | Chair: Dr Sandhya Babel  Co-Chair: Dr Milan Pavlović |  |
| 17:35–  17:45 | Effect of awareness regarding plastic uses by leaders on public: a pilot survey in a gated community  Magna Manjareeka, T. Sundar Sahoo, Krushna C Sahoo | Alkaline pretreatment of lignocellulosic waste: A review  Meghashri KL, Ravi kumar D\* and HN Chanakya,  Bangalore, India | A recent development in utilization of waste materials as green corrosion inhibitors for the protection of metal substrates exposed in corrosive environment  Manilal Murmua, Sirsendu Senguptaa, Sukdeb Mandala, Naresh Chandra Murmua and Priyabrata Banerjee  Uttar Pradesh, India | Ecological Condition of Illegal Landfills in Some High Mountain Regsions of Georgia  N. Buachidze, N. Dvalishvili, Kh.Chikviladze, Sadhan Kumar Ghosh  Georgia | Wastewater as an Option for Algal Carbon Sequestration to Mitigate Climate Change.  Afreen Aman, H. N. Chanakya,  Bangalore, India | Production of Bioethanol from Fungal Mash Pre-treated Food Waste  Arpita Ray, Rajesh R. Dash  Odisha, India |  |
| 17:45–  17:55 | Plastic-Semiconductor Composite Films: Solar Photocatalytic and Microbial Degradations in Series  Parbatee Nag, Aniruddha Mukhopadhyay, Amrita Debnath, Anirban Roy, Sampa Chakrabarti  Kolkata, India | End of life of vehicle Management in India, France and Canada  Sadhan Kumar Ghosh and Sourav Shaw  Kolkata, India | Fertilizer Plant Phosphogypsum: Potential Applications in Agriculture and Road Construction  Durgasi Hariprasad, Harish Chandra Singh, Pranab Bhattacharyya and Ranjit Singh Chugh  Odisha,India | Landuse/Landcover change analysis using geospatial technology and chronosequence estimation of soil organic carbon in naturally reclaimed overburden dump soil in an opencast mine of Raniganj coalfield area, West Bengal  Surajit Chakraborty, Rohit Basu Dhar, Pradip K.Sikdar, Suranjan Sinha  W.B, India | Greywater Recycling and Household Water Security in India - Mini Review  Himanshu K Khuntia1\*, H.N. Chanakya1, Naveen Janardhana, Bangalore ,, India | Biogas Production Potential of Tobacco Wastes and Rejects  Sreesha Malayil\*, HN Chanakya  Karnataka, India |  |
| 18:05–  18:15 | New ideas and working practices as economically profitable Case Studies  Mr Jozsef KOVACS  Hungary | Integrated Industrial Solid Waste Management Through  Sustainable Green Construction Practices: Brief Case Studies  Of Local Steel And Mining Industry At Keonjhar  R.S Krishna, J. Mishra, S. Meher, S. Das, S.M. Mustakim  Odisha, India | Experimental Investigation on Geopolmer Concrete with low density aggregate  Sanghamitra Jena, Ramakanta Panigrahi, Subrat Kumar Padhy  Odisha, India | Assessment of leachate generation from slag bank of steel plant and contamination of ground water at Waria, West Bengal, India  Anurag Tripathi, Ujjal Mal, Kalyan Adhikari  W.B, India | Wastewater treatment and recycling in a bus depot – a case study from Bangalore.  Sharath Chandra M1, N Niveditha1, H S Puttanna2, H N Chanakya1, Lakshminarayana Rao, Bangalore ,, India | Revisiting Biogas from Biomass Residues and Yard Wastes: Hydrogenotrophy  Aastha Paliwal, Hoysall  H.N Chanakya  Karnataka, India |  |
| 18:15–  18:25 | Pyrolysis of Packaging Waste: Effects of process parameters on  product yields and characterization of products  Atun Roy Choudhury, Srinivas Kesavarapu, Prasenjit Mondal  TS, India | Cadmium Bioremediation Potential Of Some Indigenous Bacteria Isolated From Sediments Of Different Industrial Zones Of West Bengal  Arnab Ghosh, Pardita Dutta, Debarati Halder, Malini Basu  West Bengal,India | Comparative property assessment of compression moulded starch based film with non degradable packaging film  Purbasha Rout, Sumit Mahato, Deepshikha Datta, Gopinath Halder  Odisha, India | Biological Remediation of Reverse Osmosis Reject Generated  from the Treatment of Organic Leachate, A Case Study at  Hyderabad Integrated MSW Limited  Atun Roy Choudhury, Konda Durga Sindhu Sree, Surya Narayan Dash, TS Sasi Jyothsna  Hyderabad, India | Assessment of Turbidity as an indicator of wastewater influx: A case study from the Indo-  Gangetic Plains.  Aditya Sarkar , Shashank Shekhar  Kolkata India | Assessment of Biogas Generation Potential of Mixed Fruits Solid Waste  David O. Olukanni, Gbemisola I. Megbope and Oluwatosin J. Ogundare  Nigeria |  |
| 18:25–  18:35 | Marine Plastic Pollution in India: Impact and Measures  Vicky Shettigondahalli Ekanthalu, Edward Antwi, Satyanarayana Narra, Michael Nelles,  Germany | Utilization of Industrial Waste in Normal Concrete: A Review  Srishti Saha, Tribikram Mohanty, Bitanjaya Das  Odisha, India | Properties of Bituminous Mixes with EAF Steel Slag Containing Crumb Rubber Modified Binder  Madhu Lisha Pattanaik, Rajan Choudhary, Bimlesh Kumar  Assam, India | Isolation of lignin degrading bacteria: A initial step for lignin and other recalcitrant waste bioremediation  Binoy Kumar Show, Shibani Chaudhury, S. Balachandran  WB, India | Treatment efficiency assessment of various Vertical Down Flow Constructed Wetlands comprising different medias to treat Industrial Wastewater.  Paulami Sahua and Yatri Chavdaa  Gujarat, Gandhinagar, India | Kinetic modeling of biogas production from organic fractions of Municipal solid waste and projection of energy and exergy potentials  Mozhiarasi V, Benish Rose P M, Elavaar Kuzhali S M, Kanyapushpanjali S, Balakumar R, Weichgrebe D, Srinivasan S V  TN, India |  |
| 18:35–  18:45 | Flexible Pavements: An Effective Sink for Waste Plastic Disposal  Amit Kumar Das  Gaurav Udgata  Asish Kumar Pani  Odisha, India | Eco-Friendly Utilization of Industrial Sludge as a Building Material: A Study of Steel Industries in Tarapur Region, Maharashtra  Tarang Jobanputra, Vaidik Gajera, Gaurav Kapse  Gujarat,India | Prospective of organic wastes application as blended soil amendments in rice fields  Madhumita Ghosh and Ashalata Devi  Assam,India | Magnetic susceptibility and electrical conductivity as a proxy for evaluating  soil pollution: a case study in the Kamarhati Municipal Waste dumping area of North 24 Parganas, West Bengal  Debapriya Nandi, Akshay, Sayan Debbarma, Sauvik Bose, Soumini Chaudhury  and  Rina Bhattacharya  WB, India | Development of novel ceramic membranes with enhanced surface properties for sustainable treatment of industrial wastewater,  Sourja Ghosh  Kolkata India | Optimization of biogas plant performance:  A case study,  Gerard irudaya Santiago.S, Shiva.M, Vinothkumar.T, Balaji.S, Supochang Walling,  TN, India |  |
| **18:45 –18:55**  Antecedents of waste reducing and recycling behaviour: An Integrated Model.  Annamdevula1, \*, S. S. Nudurupati2 and R. P. Pappu  AP, India |
| 18:45–  19:00 | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer |
|  | **END OF 2ND DAY** | | | |  |  |  |

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| 10:15-11:30 | **Technical Session 3rd Day, 29/11/2019** |
|  | **6th Parallel Break out Technical Sessions, Day 3, 29/11/2019** |

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|  | **TS 36** | **TS 37** | **TS 38** | **TS39** | **TS 40** | **TS 41** | **TS42** |
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|  | **SWM** | **Waste Water** | **Industrial Waste** | **Waste Utilization** | **Bio Medical Waste** | **E-WASTE** | **C&D** |
|  | Hall Manager |  |  |  |  |  |  |
|  | Chair: Dr. P Agamuthu  Co-Chair :Dr. Kshyanaprava Samal | Chair :  Dr. Manoj, MoEFCC  Co-chair :  Dr. Padmavati | **Chair :**  Dr. K. V. Reddy, Ultratech Cement  **Co-chair :** Mr Jozsef KOVACS, Hungary | Chair: Saroj K. Banerjee, Tata Steel BSL. Ltd  Co-Chair: Prof. P. Saha, KIIT DU | Chair: Dr. C. L. Venkatarao | Chair: Dr. R Vardarajan  Co-chair : Mr. Attila Tan, | Chair: Prof. B. Das, KIIT DU  Co-chiar : Dr. D.K. Bera |
| 10:15 – 10:25 | Health Risk Index Development of Municipal Solid Waste by Central Composite Design  Krishna Kumar Singh1  Dhaval Mehta2  Rakesh Chandra Vaishya  UP, India | Design Of Remote Controlled And Unmanned Water Samplers For Stps And Sewage Fed Lakes  Chaitali Shah, Seema Sukhani, Chanakya HN  Bangalore  India | Organophosphorous Pesticide Residues in Two Agricultural Soils and Vegetables Followed by Adsorption Studies  Banani Biswas, Moumita Mukherjee, Monami Haque, Hemanta Mukherjee, Soma Mukherjee  West Bengal, India | Utilization of Waste Generated at Religious Establishments for Energy and Nutrient Recovery  Gaffer Ahmed, Dipam Patowary, Juri Chetia, DC Baruah  Assam, India | Bio medical waste management - A dental overview  Anjana raut, p. Arun kumar, 3. A. Nivya sri,  Shreya raikar  Odisha, India | Enhanced metals extraction from waste cell phone PCBs by acids and metabolites generated by iron oxidizing bacteria.  Thacker S.C., Sodha A.B. 1, Tipre D.R. 1 and Dave S.R.2  Gujarat, India | Trends in management of Construction and Demolition Wastes: A review  Manipuspak Hazarika, Ankita Patowary  Girijananda Chowdhury  Assam, India |
| 10:25 – 10:35 | Chemical Recycling of Bio-based Polymers for Sustainable Production of Lactate Esters Pranav Majgaonkar1, Ronny Hanich Germany | Lagoon Cascade Treatment of Sewage for creating Aesthetic Urban Water Bodies and Bird Preserves.  Seema Sukhani, Atharva Ekatpure, Gautami Salunke and HN Chanakya.  Bengaluru, India | Insights into the role of aluminum in photocatalytic degradation of 17β-estradiol using aluminum doped zinc oxide  Abhradeep Majumder, Ashok Kumar Gupta  West Bengal, India | Performance Analysis Of Sustainable Concrete Mixes Using Waste Slag  Sudipta Ghosh, Ipsita Mohanty  Odisha, India | Proper Management And Handling Of Hospital Waste: The Need Of The Hour  Kathryn Rai And Rajinder Singh  Assam, India | Optimization and enhancement of metals bioextraction from radio waste printed circuit boards using response surface methodology.  Asha B Sodhaa, Shital C Thacker, Devayani R Tiprea, Shailesh R Daveb  Gujarat, India | Clean C&D waste material cycles through BIM-enhanced building stock examination practices: An Austrian case study  M. Rašković, A.M. Ragoßnig , K. Kondracki, M. Ragoßnig-Angst  RM, Austria |
| 10:35 – 10:45 | State of Waste Management in Developing Countries: A case study on  potential benefits of Introducing Integrated Solid Waste Management  Approach in Negombo City, Sri Lanka  K. Singh, D.G.J Premakumara, K. Onogawa, A. Karunarathana, T. Rajapaksha  Japan | Water quality assessment of Bellandur Lake in comparison with typical partially treated sewage.  Reshmi Das, Lakshminarayana Rao, HN Chanakya.  Bengaluru, India | A Study of Adsorption by using Langmuir Isotherms for CV dye from Novel Poly (AAc-NaAlg-SH) superabsorbent hydrogels  R. Singhal,  S.Agnihotri  Kanpur, India | Conservation Of Natural Sand By Using Byproduct Of Stone Quarry And Waste Plastic As Fine Aggregate For Improving Durability Of Concrete  Boskey V.Bahoria, Vikrant S.Vairagade  Nagpur, India | Biomedical waste management: A case study of District Head Quarter Hospital, Jajpur, Odisha  Saumyasree Pradhan  Odisha, India | Characterisation of obsolete mobile phone printed circuit boards for  precious metals and energy recovery  Mohan Annamalai, Kalaichelvan Gurumurthy  TN, India | Properties Of Concrete At Elevated Temperature Using Waste Hdpe As Fibre And Copper Slag As Mineral Admixture  Marabathina Maheswara Rao, Sanjaya Kumar Patro  Odisha, India |
| 10:45 – 10:55 | Urban Flood Induced Solid Waste Management in Some Metropolitan cities-  An Overview  Tanmoy Majumder , Paromita Chakraborty, Bitanjaya Das  Odisha, India | Dye removal from aqueous solution by adsorption on low cost activated carbons.  Selvakumar Muniraj1, Tamilselvi Duraisamy1, Swabna Vivekanatham2, Praveenkumar Dharmaraj1 and Vasanthy Muthunarayanan.  Tiruchirappalli  Tamil Nadu, India. | Utilization of Industry Solid Waste into the Concrete and its Management  V.S.Vairagade, P. T. Dhorabe, A.R.Tenpe, V. R. Agrawal, Rakesh Patel  Bhopal, India | Fabrication of sustainable fired building bricks using solid-wastes  SK S Hossain, P.K. Roy  Varanasi, India | Occurrence, sources of antibiotics in hospital wastewater along with conventional treatment techniques: A critical review;  Nadeem Ahmad Khan1, Sirajuddin Ahmed1, Izharul Haq Farooqi2, Saif Ullah Khan2, Aastha Dhingra1, Xanel Vecino3, Mustafa Al Aukidy,  India | Studies on leaching characteristic of e-waste for metal recovery by electrochemical process  Debarati Dasa, Siddhartha Mukherjeeb, Mahua Ghosh Chaudhuria  WB, India | Development of eco-efficient and cost effective concrete using recycled aggregate and  ground blast furnace slag  Rajib Kumar Majhi 1 , Amar Nath Nayak 2  Odisha, India |
| 10:55- 11:05 | Trajectory Planning for Autonomous Vehicles and its implementation in effective Waste Management  B.Guin1\*, T.K.Naskar, N.Modak  Kolkata, India | Assessing the efficiency of some polymeric coagulants in utilization of Spent Tea Leaves (STL) as the source of natural dye in quality control of environment.  Ritwija Bhattacharya, Alokesh Mridha, Richa Sen, Pritha Bhattacharjee, Aniruddha Mukhopadhyay and Debasish Das. Kolkata, India | Impacts of Sukinda Chromite Mine-Waste Drainage in Soil and Bottom Sediments of Dhamsal Nala, Odisha  Apurba Ratan Ghoshand, Niladri Sekhar Mondal  West Bengal, India | Conservation Of Natural Aggregate By Recycling Rubber Scrap Tyre Rubber And Steel Scrap For Sustainable Concrete  Rakesh Patel, Vikrant S.Vairagade, Boskey V. Bahoria  Nagpur, India | Recent trends in disposal and treatment technologies for hospital effluents- A Critical Review,  Nadeem a khan1, aastha dhingra1, Sirajuddin Ahmed1, I H Farooq, Aligarh, Delhi, India | Strategies to manage e-waste approaches: A comparison of a global overview to the Indian scenario  Abantika Sengupta, Parthiba Chakraborty  Italy | Occupational safety and health in construction sector: An Indian Perspective  Sasmita Samanta  Jyotiranjan Gochhayat  Lingraj Behera  Odisha, India |
| 11:05- 11:15 | A Review on Waste Management of Lingaraj Temple, Bhubaneswar  Satyam Jyoti  Odisha, India | Simultaneous nitrification and denitrification coupled with phosphorus removal from greywater using sequencing batch reactor  Kumari Priyanka1\*, Manaswini Behera1, Remya Neelancherry1  Odisha, India | Ratio Derivative Spectrophotometric Monitoring of Two Pharmaceuticals in their Binary Mixture  Subhankar Pathak, Suparna Dhar, Monami Haque, Soma Mukherjee  West Bengal, India | Influence Of Functionally Graded Region Inground Granulated Blast Furnace Slag (GGBS) Layered Composite Concrete  Sangram.K.Sahoo1, B.G.Mohapatra1, S. K. Patro2  Odisha, India |  | Assessing the generation and management of E-waste in India: a review  Abhijit Hazra, Mohd Azhar hasan ansari, Naresh Chandra Murmu, Priyabrata Banerjee  WB, India | Experimental Investigations on Recycled aggregate Concrete to produce eco friendly and economical self interlocking masonry blocks.  Ganesh C. Chikute¹, Dr. I. P. Sonar²  Maharashtra, India |
| 11:15- 11:30 | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer |  |

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| **3rd Day, 29/11/2019 : 11:30 – 11:45 Tea / Coffee Break & Networking** | |
| 11:45 –13:30 | **7th Parallel Break out Technical Sessions and Panel Discussions, DAY 3, 29/11.2019 (Friday)** |

|  | TS 43 | **TS 44** | **TS 45** | **TS46** | **TS 47** | **TS48** | **TS49** |
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|  | **Coummunity Participation** | **Waste Water** | **Industrial Waste** | **Waste Utilization** | **Waste Water** | **Model** | **Bioenergy** |
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| Chair : Prof. Avijit Mitra  Co-Chair :  Ms.NasidMumtaz | Chair : Prof. S K Das  Co-Chair : | Chair : U V Parlikar  Co-Chair : | Chair : IIMT  Co-Chair :Prof. S Nanda, KIIT DU | Chair : Prof. T. Das, USA  Co-Chair : Prof. S. Moulick, KIIT DU | Chair : Anuruddha Mukhopadhyay  Co-Chair :KIIT | Chair : Dr. Asit Aich, ISWMAW  Co-Chair : Dr. Sutripta Sarkar |
| 11:45 –  11:55 | Prarambh: A city-wide campaign to transform waste management practices through Educational Institutions  Lata Ghanshamnani  Maharashtra, India | Study of macrophyte and dolochar in hybrid vermifiltration system for nutrient removal of domestic wastewater.  Rajat C. Pundlik1, Om Prakash Dehury2, Rajesh R. Dash3, Puspendu Bhunia4  Bhubaneswar, Odisha, | Production Of Composite Sheets From Industrial Solid Wastes Under Total Quality Management (TQM) Principles  N. R. Bose, S. Roychowdhury, Kazi Ezabul Khalid  West Bengal, India | Effect of process parameters on lipid yield extracted from foodwaste through soxhlet extraction method  Nibedita Sarkar1, Budhapriya Gautam2, Pradip K Chatterjee1, Amit Ganguly1  WB, India | Effect of Heavy Metal Containing Wastewater on Plankton Diversity in a Freshwater Lake Ecosystem at Sahebbundh, Purulia, West Bengal,  Subhayan Dutta1\*and Aniruddha Mukhopadhayay, Kolkata, India | ANN modelling on the adsorptive removal of phenol using  biological and industrial waste materials  Ashanendu Mandal, Sudip Kumar Das  Kolkata, India | Investigations on Process Development for the Anaerobic Digestion of Desiccated Coconut Industry Effluents  Himanshu K Khuntia\*1, Naveen Janardhana1, H.N. Chanakya1, Naveen K Vaidya1  Karnataka |
| 11:55 – 12:05 | Multi-layered Plastic Management in Educational Institute  Ambily Adithyan, Program  Maharashtra, India | A review on hydrodynamic parameters of inverse fluidized bed bioreactors for treating industrial wastewater  Challa Mallikarjuna  Rajesh Roshan Das  Bhubaneswar, Odisha | Risk analysis in the production process of innovative detoxification plant for ELV  Milan Pavlović, Nikola Komati , Danijela Tadić , Bayoumi Hamuda Hosam  Serbia | Application of Treated Mixed Fruit Wastes in Soil Stabilization  David O. Olukanni1, Chukwume G. Ijeh1 and Adeniyi S. Aremu2  Nigeria | Evaluation of Heavy Metal Pollution Index (HPI) for Ground Water in Tricity,  Rana, Rishi1, Rajiv Ganguly\*1, Ashok Kumar Gupta, Solan,  Himachal Pradesh, India | Neuro-genetic modeling for the biosorption of Cu(II) ions from aqueous system  N. Bar, B. Singha, S. K. Das  Kolkata, India | Biogas potential of kitchen waste at Visva-Bharati, Santiniketan  Aman Basua, Ankita Lahaa, Indranil Bhuia, Anita Biswasa, Krishanu Sarkarb, Shibani Chaudhurya and Srinivasan Balachandrana |
| 12:05 –  12:15 | Food Waste Management and Potential Interventions at Education Campuses in India: A Case Study of Halls of Residence of Indian Institute of Technology Kharagpur, West Bengal  Amit Kumar Jaglan, Hari Bhakta Sharma, Brajesh Kumar Dubey, Ranbir and Chitra Gupta  WB, India | Removal of dyes from industrial wastewater using coagulation by Potassium Aluminium Sulphate [KAl(SO4)2].  Shaikh Raj, Bidisha Sarangi, Deepshikha Datta  Durgapur, India | End of Life of Vehicle - A Status Review  Sadhan Kumar Ghosh 1 , Sagnik Chowdhury, AsishTripathy, Sovan Sahoo,  Niladri Sekhar Barma, Abhishek Bhardwaz, Sayan Samanta, Sourav Shaw  Kolkata, India | Electricity Generation in Earthen Microbial Fuel Cell during Treatment of Volatile Fatty Acid Rich Leachate Obtained from Hydrolysis of Kitchen Waste in Leach Bed Reactor  Rishi Gurjar1\*, Manaswini Behera1  Odisha, India | Assessment of Physic-chemical quality and Heavy metals status in some selected drains discharge into the lower stretch of Hooghly River.  Lokenath Chakrobortya, Susmita Goswamib, Sandip Mondal,Subir Kumar Nag Durgapur, West Bengal, India | Achieving Consistency of Judgment Matrix in Analytical Hierarchy Process  Bhupendra K. Sharma1,\*, Munish K. Chandel  Maharashtra, India | Bio-methane potential and modeling studies of cow dung, food waste and pine needles at low mesosphilic temperature  Ankur Choudhary, Ashish Kumar\*, Sudhir Kumar  Ankur Choudhary  HP, India |
| 12:15 –  12:25 | An empirical investigation on environmental behaviour in the perspective of Green Marketing  S. Annamdevula1, R. Sinha2, R. P. Pappu3 and S. S. Nudurupati4  AP, India | Evaluation of single and multi-element adsorption of Pb(II), Cd(II) and Ni(II) on KoH activated carbon from vetiver roots.  M.Padmaja , R.Bhavani  Anantapuramu, India | Use of Industrial Waste Slag in the Development of Self-Compacting Concrete  for Sustainable Infrastructures  K. P. Sethy 1,\* , K. K. Sahoo 2 , B. Jena 3  Odisha, India | Chitosan: An Effective Immobilization Matrix for Microbes in Microbial Fuel Cell  Pooja Rani Kuri and Pranab Goswami  Odisha, India | Waste water contaminant flow behaviour in compost with manufactured sand  (M-Sand) and varied layered circumstances,  P.Balaganesh, M.Vasudevan , N.Natarajan ,India | Statistical optimization of 4-nitrophenol biodegradation by an isolated pure culture via Taguchi orthogonal array methodology  Priyanka Sarkar1, Ananya Das , Apurba Dey\*  WB, India | Comparative Study for Pretreatment of Lignocellulosic Biomass Using Inorganic Salt  Monidipa Bose and Shyamal Roy  WB, India |
| 12:25 –  12:35 | Awareness on going green by recycling of waste  D. Bharathi2, K. S. Shanthi Sree1, A. Suvarna Latha1, N. Yasodamma  AP, India | Assessment of Physicochemical quality and Heavy metals status in some selected drains discharge into the lower stretch of Hooghly River .  Lokenath Chakrabortya, Susmita Goswamib, Sandip Mondalc, Subir Kumar Nagd. Durgapur India | Low level solid radioactive waste management practices followed at  Nuclear Fuel Complex, Hyderabad  Divij Bhattacharjee1, M.Anil Kumar Reddy2, A Hanumantha Rao, V Srinivasa Rao,  RVRL Visweswara Rao, S.Sairam, Meena Ravindran, Dr.Dinesh Srivastava  TS, India | Removal of Cr from aqueous solution by using biochar produced from waste,  Manash Gopea, Anibrata Dasb, Sandip Mondalb and Rajnarayan Sahaa, Durgapur , West Bengal, India | Effective Treatment Of Of Dairy Waste Water By Aluminium And Iron Electrodes Electrocoagulation Process,  P. T. Dhorabe , C.Kamble, V.R.Agrawal, Y.D. Chintanwar, P.Kamble,, B.R.Gautam, Nagpur, India | Modelling and Optimization of Cyanide and Phenol Removal from Synthetic Wastewater Using Artificial Neural Network (ANN) and Particle Swarm Optimization (PSO).  Sabyasachi Pramanik, Biswajit Sarkar, Sandip Kumar Lahiri, K.C. Ghanta, Susmita Dutta, Durgapur India | Delignification of Biomass Residues by Fungal Pre-treatments  Manasa Nagesh Hegde, Sreesha Malayil, H. N. Chanakya  Karnataka, India |
| 12:35 –  12:45 | Case study: Implementation of impact of agricultural practices for a self-  sustainable system  Divya Sree Madichati 1,\* Ralf Otterpohl 1  Germany | Fish Scale Waste- a potential sustainable material for water pollution remediation  D. A. Khandare 1,\*, S. N. Mukherjee. Kolkata , India | Characterization of Waste Engine oil (WEO) Pyrolytic oil and Gasoline Blended oil and Determination of Optimum Blending Conditions  Nivedita Patel, Krushna Prasad Shadangi  Odisha, India | Modification and Optimization of Hydrophobic PVDF Membrane by Chitosan extracted from Fish scale  Deepika Behera, Nitin Kumar, Deepshikha Datta  Odisha, India | Effective treatment of dairy waste water by using natural coagulants  Vikash R. Agrawal1, Prashant T. Dhorabe, Yogesh, D.Chintanwar, Rajesh Bhagat, Vikrant Vairagade, Bharti Gautam, Nagpur, India | Parametric Optimization of Yield Percentage of Chitosan Extracted from Fish scale (Labeo rohita) in comparison to Prawn shell (Fenneropenaeusindicus)  Nilesh Kumar Swain, Nitin Kumar, Deepshikha Datta  WB, India | Utilization of Solid Waste Biomass of Polyathia Longifollia Leaves for its Waste Management to Produce Energy as Liquid Fuel  Abhishek Singh, Gaffer Ahmed, Sneha Acharya, Harshal D. Kawale, and Nanda Kishore  Assam, India |
| 12:45 –  12:55 | A Systematic Ward-Level Analysis of Urban Solid Waste Management in Bengaluru  Shwetmala Kashyap, Arkalgud Ramaprasad, and Chetan B Singai | Removal of dyes from industrial waste water using coagulation by Potassium Aluminium Sulphate [KAl(SO4)2]  Shaikh Raj1, Bidisha Sarangi1, Deepshikha Datta  Bhubaneswar, India | Effects of industrial wastewater on soil physico-chemical properties in tropical environment.  Rachana Dubey, M. Raychaudhuri and PS Brahmanand. Bhubaneswar,  Odisha, India | Valorization of lignocellulosic biomass towards future aspects  Uma Maheswari R and Jaya Sikder  WB, India | Bioremediation of industrial wastewater using bioenergy by- product,  Sneha Acharya, Ritusmita Goswami, Rupam Kataki, Tezpur , Assam India | **Fly Ash** | Studies on growth kinetics and lipid accumulation of a Power plant algae  L.Subtilis JUCHE1 by variation of nitrogen concentrations (NaNO3)  S. Das, S. Mahato, R. Chowdhury  WB, India |
| Sustainable management of ferrochrome-ash, a hazardous waste as supplementary cementitious material  P. K. Acharya1, S.  K. Patro2  Odisha, India |
| 12:55 –  13:05 | Effectiveness of Planned Teaching Program on Knowledge regarding Menstrual Hygiene, use of Sanitary Pads and It’s Disposal Management among the Adolescent Girls in a selected School, BBSR,Odisha  Purnima Sahoo, Niyati Das\*, S.Bhaktiswarupa  Odisha, India | Root zone treatment of polluted water.  Sanhita Padhi\*  P.P. Rout1, R. Swain  Cuttack, Odisha. India | Re-refining of industrial lubricating oil by an environment-friendly non-acidic extraction- flocculation method  Sayantan Sarkar, Deepshikha Datta,  Bimal Das  WB, India | Fruits and vegetables industrial solid wastes as natural source of bioactive compounds: A Review  Arjuma Sultana, Uma Ghosh  Kolkata, India | Adsorptive Removal Of Ibuprofen By Steam Activated Biochar Derived From Tamarindus Indica Seeds: Isotherm & Thermodynamics  Sumona Show, Sucharita Samanta, Gopinath Halder,  Durgapur, India | A study on mechanical and durability properties of  Interlocking fly ash based concrete paver block using  Defferent types chopped fibres  Gitanjali Maharana , Biswajit Jena, Sagarika Panda  Odisha, India | Rice mill wastewater treatment in microbial fuel cell operated in a sequential anaerobic-aerobic configuration,  Aryama Raychaudhuri1, Rudra Narayan Sahoo1b, Manaswini Behera, Bhubaneswar, India |
| 13:05- 13:15 |  | Grey water treatment using vegetable/fruit enzyme solutions.  Fazna Nazim, Renu Pawels  Kalamassery,Kerala, | Removal of hazardous organic pollutants from water over ZIF-8 Metal Organic Framework: An  In-silico study  Satya Narayan Sahu 1 , Subrat Kumar Pattanayak 2 , Jagannath Panda 1 , Biswajit Mishra 1\* , Rojalin Sahu 1\*  Odisha, India | Application of water hyacinth biochar for remediation of metal contaminated soil  Nijara Baruah, Nirmali Gogoi, Juri Chetia and Debashree Dutta  Assam, India | Developing An Artificial Wetland System For Wastewater Treatment By Using Duckweed Plants: An Effective Method,  B.R.Gautam, .S.Kamble, P.T.Dhorabe Nagpur,India | Performance evaluation of Fly ash bricks with Clay bricks  S.K.Dash, I.Mohanty, R. P. Nayak and B.B. Kar, L.D.Panda  Odisha, India | Development of method for faster adaptation of methanogenic biomass for anaerobic treatment of domestic wastewater at psychrophilic conditions,  Rohan Guptaa and Rima Biswas, Nagpur, India |
| 13:15- 13:30 | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer | Question Answer |
| 13:30-14:30 | **LUNCH** | | | | | | |
| 14.35 – 17.30 | **Valedictory** | | | | | | |
|  | **Start of the 10th IconSWM 2020 activities** | | | | | | |
|  | **POSTER SESSION** | | | | | | |
|  | **26th afternoon and 27th morning : Poster Sl. No 1 - 48 should be displayed by the authors and remove by 17.30 pm on 27.11.2019** | | | | | | |
| 10.30 – 17.30 | **27.11.2019 : Poster Sl. No 1 - 48 for presentation and assessment by the authors and Jury board for IconSWM Excellence Award.** | | | | | | |
| 17.30-19.00 | **27th Evening : Poster Sl. No 49 - 96 should be displayed by the authors and remove by 17.30 pm on 28.11.2019** | | | | | | |
| 9.30 – 17.00 | **28.11.2019 : Poster Sl. No 49 - 96 for presentation and assessment by the authors and Jury board for IconSWM Excellence Award.** | | | | | | |
| 17.00-19.00 | **28th Evening : Poster Sl. No 97 - Rest should be displayed by the authors and remove by 14.30 pm on 29.11.2019** | | | | | | |
| 9.00 – 13.00 | **28.11.2019 : Poster Sl. No 97 - Rest for presentation and assessment by the authors and Jury board for IconSWM Excellence Award.** | | | | | | |
|  | **Display Instruction: Please bring your poster and cellotape for fixing the poster on display board. Both sides of one display bord will contain four posters. Kindly follow the serial no while fixing the poster and display your serial no and paper code.** | | | | | | |

**Paste Poster 3**

**Paste Poster 4**

**Paste Poster 1**

**Paste Poster 2**

**LIST OF POSTER PRESENTATION**

**9th IconSWM-CE 2019, November 27-30, 2019;**

**Venue: Campus 6, Convention Centre, KIIT Bhubaneswar, Odisha**

| **Kindly note that all the full papers submitted for this poster presentation will be considered and reviewed for publication in the theme based books to be published by springer nature Singapore and other reputed publishers.**  **Presentation:** Presenter has to bring the printed poster in IconSWM Template available in [www.iswmaw.com](http://www.iswmaw.com). Display at appropriate location in the venue as above and be available at specified time to explain to the jury members and delegates on all three days. There is ten “IconSWM Excellence Awards” to be selected for poster presentation by jury board. | | | |
| --- | --- | --- | --- |
| **Sl. No.** | **Abs. Code (A)** | **Title of the paper** | **Authors Details** |
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| **Paste your poster sl. No. 1-48 on 26.11.2019 (Evening) & 27.11.2019 (Morning) as per above instruction in page no 40** | | | |
|  |  |  |  |
|  | 3 | Interface Shear Strengths between Bagasse ash and Geogrid. | Aditya Kumar Bhoi1,\*, JnanendraNath Mandal2andAshish Juneja3  IIT Bombay, Powai, Mumbai – 400 076 |
|  | 6 | Conversion of Red Mud into High Energy X- ray Shielding Tiles. | RiniPaulose a, VarshaAgrawala, AbhishekGiri a, Anshuman Panda, Dr. Sunil K Sanghi a, Dr. Deepti  Mishra a, and Dr. ShabiThankarajSalammal  CSIR-AMPRI, Bhopal, Madhya Pradesh, India |
|  | 8 | Adsorption Studies on the Removal of Pb2+ ions from Aqueous Solutions using Citrus Sinensis Peel. | ShubhangiS.Malkhede  MIT,Kothrud, Pune. Maharashtra State, India |
|  | 13 | Sustainable Manufacturing Practices in Alloy Steel Foundries. | Prof V.Suresh Chandra  Indus Business Academy, Thataguni, Bangalore |
|  | 16 | Behavioral Pattern of strength achievement of mine tailings as building material. | RohitMalawade 1 , K G Guptha 2 , Praveen  Ghorpade 3;  VTU-RRC, Belagavi |
|  | 17 | Prevent and Protect of Environmental Managementin in SCCL | Dr. Chinthireddy Prakash  Osmania University, HYD-07 |
|  | 23 | Experimental investigation on synthesis of biodiesel from non-edible Neem  seed oil: Production optimization and evaluation of fuel properties | S. K. Dash 1,\* , P. K. Das 1 , C. K. Hirwani 1 , R. Kumar 1  Aditya Engineering College, Surampalem, Andhra Pradesh, India |
|  | 26 | Screening and Characterization of Aerobic Bacterial Strains Capable of Degrading and Metabolising the Synthetic Pigment- Melanoidin | Swabna Vivekanandam1, Selvakumar Muniraj2 and VasanthyMuthunarayanan\*2  t Joseph’s College, Tiruchirappalli, Tamil Nadu, India. |
|  | 37 | Improvement in biogas production by direct interspecies electron transfer  technique: Current aspects and diverse prospects | Ravi Bajaj1, Kapil Garg2, Sagarika Panigrahi3, Brajesh Kumar Dubey4, \*  Indian Institute of Technology Kharagpur, City, |
|  | 50 | Assessment of the role of bacteria of fish gut waste and latex Of papaya waste in promoting immunity in edible fish | V. Chandra Rekha1 , D. SaiVinathi 1 , T. Hemalatha 1 A. Sridevi 2 , N. Rajani 3 and V. Kalarani 1 \*  Department of Biotechnology, Tirupati – A.P. |
|  | 57 | Utilization of industrial waste slags in sustainable concrete blends | S.R.Patra 1, I.Mohanty 2,\*, S.K.Jha3  KIIT University, Bhubaneshwar -751024,India |
|  | 63 | Performance and Emission Analysis of an CI Engine using Biogas derived from Kitchen waste and its blend with diesel fuel |  |
|  | 65 | Class Room Duster Cleaner | PallabBasuMallik  Future Institute of Engineering and Management, Kolkata |
|  | 71 | Bearing Capacity Of Reinforced Soil On Varying Footing Size | Bandita Paikaray1 , Sarat Kumar Das1,  BenuGopal Mohapatra2,Sweta Sarangi2  KIIT, Deemed to be University, Bhubaneswar, India |
|  | 75 | Shear Strength Behavior of Municipal Solid Waste for Bangalore City | Sandeep Kumar Chouksey  National Institute of Technology, Raipur |
|  | 85 | Bioenzyme: A program to promote use of natural cleaner through educational institutes | Leena Kelshikar, Cofounder, Rnisarg Foundation; Dr Lata Ghanshamnani, Cofounder, Rnisarg Foundation, Ms. Ambily Adithyan, Program Head, Rnisarg Foundation |
|  | 86 | Kagadam: An initiative to create a Paper Recycling & Learning Centre within the school campus | Lata Ghanshamnani, Jhanvi Rai, Leena Kelshikar, Ambily Adithyan,  Rnisarg Foundation, Thane |
|  | 92 | Screening and characterization of composting bacteria (city compost) from municipal solid waste disposal sites of Hyderabad. |  |
|  | 93 | Screening of Production of Lipase producing bacteria from oil contaminated soil |  |
|  | 116 | Simultaneous treatment of rice mill wastewater and value-added product Recovery using rice husk ash. | Arunava Chatterjee, Anuj Kumar, Uttarini Pathak, Tamal Manda. Durgapur , India |
|  | 117 | Development of N-P-K enriched bio-organic fertilizer along with plant growth promoting bacteria | Subhasish Majee, GopinathHaldar, RN Krishnaraj, TamalMandal  National Institute of Technology, Durgapur |
|  | 121 | Pre-treatment methods of organic waste for Anaerobic Digestion in India: Current practices and reviews | Anaya Ghosh, Aditya Roy Choudhury, Awantika Prasad, , Jyoti Prakas Sarkar, Bimal Das  Durgapur, India |
|  | 127 | Improvement of life service of the mechanical components using nanocomposite coatings | ParikshitMahato, Naresh Chandra Murmu, Priyabrata Banerjee  CSIR-CMERI Durgapur |
|  | 133 | A new cost-effective technological concept to capture mercury of the flue gas from coal power plants with a brief review on its toxicity effects on health and current technologies to capture mercury | Dilip K De2 ; Uduakobong I Ikono1; Sandra O Akinmeji1 and Idowu Oduniyi3 1Covenant University, Ota, Ogun State, Nigeria 2Sustainable Green Power Technologies, Mansfield, Texas |
|  | 134 | A source of Bio-gas Generation and sustainable development in rural India | Avirup Sarker, 1bMijba UddinMolla, 2Shubham Dhar, Sujit Dhar  The Neotia University, Kolkata. |
|  | 135 | Pharmaceutical waste management – a study | AnweshBhowmick, Sucharita Bhattacharyya  Guru Nanak Institute of Pharmaceutical Science & Technology (GNIPST) (under JIS Group)  Sodepur, Panihati, Kolkata |
|  | 137 | Design & Fabrication Of Concentrated Of Solar-Geothermal Wastewater Treatment Apparatus | S. D. Majumder1,\*, S. Saha2, R. Baidya3  1 Institute of Engineering & Management, Kolkata, India |
|  | 146 | Preparation of Carbonate Rich Blackboard Chalk from Chicken Egg Shells | AbhishekSarkar and PanchananPuzari  Tezpur University |
|  | 155 | Water splitting using Gold Vanedium catalyst | Biraj Das, Mukeshsarma, Kusum K. Bania  Tezpur University |
|  | 156 | PdO/CuO-Y/C Nanocomposite for Direct Methanol Fuel Cell and Nitro-arene Reduction | Mukesh Sharma, Biraj Das, Kusum K. Bania  Tezpur University |
|  | 157 | Possibility of Waste Aluminium Can for Solar Air Heater Absorber Material through Thermal Performance Studies | Anindita Sharma1, Pooja Dutta1, Priyom Goswami1, Partha P. Dutta1, Harjyoti Das  Tezpur University, Napaam, Sonitpur |
|  | 159 | Agricultural waste management through organic cultivation of Ridge gourd (LuffaacutangulaRoxb.) | NaseemaRahman, DC Baruah, SampritiKakoti, DipomPatowary, DeepaBorboraPhukan, D Hazarika, KK Sarma and DJ Nath  Tezpur University |
|  | 161 | Supercapacitor Energy Storage Devices in the Light of Waste Management: A Review | ArindamDutta, JiwajyotiMahanta  Indian Institute of Technology ,Guwahati |
|  | 164 | Discovering newer bacteria for valorization of agrowaste and an eye for biotechnological applications | Jahangir Hussain, Dr. EeshanKalita  Tezpur University |
|  | 165 | Design development and performance evaluation of Solar Thermal System | RahatMahaboob, Biraj Kumar Kakati  Tezpur University |
|  | 167 | Uptake of Arsenic by diatoms: a potential method of waste water treatment | SangitaBaruah, Kalyan Kr Hazarika, Kali Prasad Sarma  Darrang College, Tezpur University |
|  | 168 | Management of Bio-Medical Waste and Right to Health | MehnazAkhtar Ahmed  Dibrugarh University |
|  | 171 | Co-Cr-HNT as an Efficient Electrocatalyst for Methanol Oxidation | Manash J. Baruah, Mukesh Sharma, Biraj Das and Kusum K. Bania\*  Tezpur University |
|  | 175 | Design and Development of a Hostel Wash Basin Waste Trap for Appropriate Food Solid Waste Management | TarkikDutta, Prasun Kumar Roy, Prem Shankar Kumar, ParthaPratimDutta, Bhabesh; Nath, HreeshikeshDutta, Tezpur University |
|  | 176 | Evaluation of Buffer Lime Requirement method without Hazardous Chemicals for acid soils of Upper Brahmaputra Valley Zone of Assam | LekhikaBorgohain, Danish Tamuly, K.N. Das  Assam Agricultural University, Jorhat |
|  | 178 | Investigation on the Emission Characteristics of a Diesel Engine Fueled by Neat Biodiesels | BichitraBikash , MadhurjyaSaikia, Dilip Kumar Bora, KalyanKalita  DibrugarhUniversity,Assam |
|  | 181 | Optimization and Characterization of Microcrystalline Cellulose extracted from Banana Cob | Julie Baruah, EeshanKalita  Tezpur University  [ekalita@tezu.ernet.in](mailto:ekalita@tezu.ernet.in) |
|  | 184 | Performance Analysis of a Solar Assisted Water Electrolyzer (SAWE) | NayanMoniBaishya, VikasVerma, Biraj Kumar Kakati  Tezpur University |
|  | 190 | Use Of Naturally Occurring Gum In Soil Stabilization | IpsitaPanda;SaniPanda;NeerajAgarwal  KIITUniversity,Bhubaneswar,Odisha,India, |
|  | 191 | Characterization And Stabilization Of Dredged Chilika Sand With Biopolymer | HarishankarJeevan Dash 1 , Sarat Kumar Das 2 , Suresh Prasad Singh 3 and AparupaPani,  National Institute of Technology Rourkela, Rourkela |
|  | 198 | Challenges and opportunities of Incineration plants In India: An Overview | 1 Sayantan Das, Dillip Kumar Bera, 2 KshyanapravaSamal  KIIT DU, Bhubaneswar, Odisha, India |
|  | 200 | Oxidative degradation of Rhodamine B dye in water - comparison of UV and sunlight-assisted Fenton processes | MahjabeenAkram†, SampaChakrabarti\*  University of Calcutta |
|  | 205 | Waste Management: A Futuristic Sustainable Approach | Soutrik Bose, Vibhav, Aamin Rashid1  MCKV Institute of Engineering,  Liluah, Howrah 711204,West Bengal, India |
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|  | 206 | Development of an improved solid waste management technique for environmental sustainability by recycling and shredding | Soutrik Bose, Vaibhav Mishra, Ipsita Ghosal1 and ShubhamRanjan  MCKV Institute of Engineering,  Liluah, Howrah 711204 |
|  | 207 | Fabrication and characteristics of nanofiltration composite Membranes using polyacrylonitrile and polyamide for Desalination | Coimbatore  BhargaviRadhakrishnan, Dr.M. Thirumarimurugan  Chemical Engineering Coimbatore Institute of Technology |
|  | 208 | Assessment of Water Quality by using Index Model for Mining Industry Waste Contaminated Water, Kerala | Sneha Gupta,  TekedilZeenatHumsa, R.K. Srivastava,  MMMUT Gorakhpur |
|  | 209 | Removal of Heavy Metals using Low cost Adsorbent | Pankaj Kumar, Dr Sneha Gupta, Asit Singh  MMMUT, Gorakhpur, India |
|  | 210 | Emission and combustion characteristics of a Diesel engine fuelled with transestrifiedCalophyllumInophyllum oil | Anant G. Nagpure , W.S.Rathod , SupriyaBobade  Veermata Jijabai Technological Institute, Mumbai,  Indian Biodiesel Corporation, Baramati, Maharashtra, India |
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|  | 212 | Waste management | DrSujitDhar- AvirupSarker  Neotia Institute of Technology,Management & Science, Kolkata |
|  | 213 | Mathematical modelling on economic status of local People in sundarban, involved in shrimp supply chain | PayelGhosh, SudipKarmakar  Raidighi College, Raidighi, South 24 PGS, India, |
|  | 214 | A Sustainable Solution towards E-waste Recycling | Jacky Shaw, Anuja Mukherjee Dibas Das IpsitaSaha  Guru Nanak Institute of Technology, Kolkata, India |
|  | 216 | Grey water management is a typical sustainable livelihood for low-income state, Jharkhand, India- A case study | Alok Kumar, Suresh Kumar, Saroja Kumar Barik  Environment Specialist, Department of Drinking water and Sanitation, Govt.of Jharkhand  Environment Specialist, JSPLS, Govt.of Jharkhand |
|  | 219 | Perception and Experience of Waste Collectors toward Street Dogs in Kathmandu, Nepal | A. Khanal  Nepal Open University, Kathmandu, Nepal |
|  | 220 | Utilization of Resource in a Ferro alloy plant | Ananya Ghosh, Bipasa Das AnkitSaha Rajarshi Chakraborty  Guru Nanak Institute of Technology, Kolkata, West Bengal |
|  | 224 | E-Waste Status in India: A Review | Avik Mukherjee, Tirthankar Mukherjee  IEM, Kolkata, India |
|  | 225 | A Comparative Analysis of E-Waste Management Systems and Compliance to Basel Convention in Different Countries | MdSakibRahi, SubhasishBera, RajdeepBardhan,  Rahul Baidya  Institute of Engineering & Management, Kolkata, India - 700091 |
|  | 227 | Effect of anionic surfactants on phototrophic organisms: A REVIEW | Manjari R 1,2, Seema Sukhani1 \*, Chanakya HN1 \*  IISc, Bangalore, 2 -IIT Madras, Chennai, India |
|  | 235 | Environmental Education and Awareness is a logical tool for the  Elimination of Poverty in India | M. Jaya Kumar Jacob  AcharyaNagarjuna University, Nagarjuna  Nagar, Guntur – 522 210. AP. India |
|  | 243 | INFLUENCE OF INDUSTRIAL WASTES ON GEOTECHNICAL CHARACTERISTICS OF EXPANSIVE SOIL | JagoriDutta  KIIT University, Bhubaneswar |
|  | 244 | Assessment of Pharmaceutical Waste Treatments: A Review | SuryadiptaSanyal 1 , Tirthankar Mukherjee\*  Department of Pharmacy, NSHM, Kolkata, India |
|  | 248 | Future refrigeration and air-conditioning system using dry ice that can be abundantly available with a novel emission capture technology | Dilip K. Dea!,, and IdowuOduniyib  Sustainable Green Power Technologies, Mansfield, Texas 76063, USA. |
|  | 251 | Design of multipurpose, waste & air treatment system | Ramesh Kumar Karthick1\*, Nikunj Verma1, Nitin Ujjwal1, Saddam Hossain Mullick2  IEM Kolkata |
|  | 254 | Decentralized Waste Composter for Indian Kitchen Waste | Niraj Kumar1\*, Meghna Saha1, Nishant1, Prem Shankar2, Rahul Baidya3  Institute of Engineering & Management, Kolkata |
|  | 257 | Comparison of Linear and Nonlinear Regression Methods for Equilibrium Modelling of Ammonia adsorption by Error Analysis Criteria using cost effective waste camellia sinensis | RajdeepMullicka, BaisaliRajbansib\*  University of Calcutta, Kolkata |
|  | 262 | Enhanced antibacterial effect of activated carbon prepared  From ligno-cellulosic biomass available in north east india | HarjeetNath a\* , ChandraniDebnath b , Joydeep Das c , RishabhSaxena d , BiswajitSarkar  Tripura University (A Central University), Agartala-799022, India |
|  | 264 | E- Waste Management | Dr Harish Kumar Agre, Mdjalal , V sireesha Muzaffar,  Symbosisi skills open university pune, India |
|  | 266 | Effect of algae biomass production of Euglena sanguinea using different types of containers on  Laboratory scale | NabamHinaPapu, Awinashkumar, MoichingSajit Ahmed, PradipLingfa  North Eastern Regional Institute of Science and Technology,Arunachal Pradesh, India |
|  | 267 | Waste Cleaning System For Water Bodies And Drain | SubhamSourav, Sauravkumar ,Sarjeel Samar, Varun Kumar, Rahul Baidya  Institute of Engineering &amp; Management, Kolkata |
|  | 272 | Prevention Of Environmental Pollution Through Waste Management | P.ThavithaThulasi |
|  | 273 | Spatial distribution of physical and chemical properties of soil parameters nandigam around mandal region, srikakulam district, ap a gis approach. | *Y.Padmini1, P.JagadeeswaraRao2 and B.Sridhar3*  *College of Science,Dr.B.R.Ambedkar University, Srikakulam-532410* |
|  | 274 | Spatial distribution of groundwater quality parameters nandigamaround mandal region,  Srikakulam district, AP A gis approach. | *B.Sridhar1, P.JagadeeswaraRao2and Y.Padmini3*  *Andhra University, Visakhapatnam-530003* |
|  | 275 | Green House Effect by investigating of an Internal Combustion Engine (I C Engine) using Argemone Mexicana (waste plant) biodiesel blends | *A. K. Rout1, M. K. Parida2 and Mamuni Arya3*  *KIIT Deemed to be University, Bhubaneswar- Odisha, India* |
|  | 276 | Effect of slag addition on compressive strength and microstructural features of fly ash based geopolymer | *Dipankar Das, Alok Prasad Das, Prasanta Kumar Rout*  *Tripura University (A Central University),* |
|  | 282 | Paper Based Sensor For The Determination Of Ruthenium(Iii) In Ground Water With The Help Of A Smart Phone | *B.Vinu1, G.Swathi1,* B.S.A.Andrews2,K.M.M.Krishna Prasad3 |
|  | 285 | Recovery of Tungsten Values from the Gold Mine Waste | *Surya Kanta Das, Shivakumar I. Angadi and S. Basu*  *CSIR- Institute of Minerals and Materials Technology, Bhubaneswar, 751013* |
|  | 293 | Relative adsorption behaviour of cr (vi)  Against pure clays and natural soils | Padmavathi bandaru, anima s. Dadhich \* , b. Vinay sagar, ch. Durga prasad  Visakhapatnam, Andhra Pradesh, |
|  | 295 | Study of Occupational and Environmental Health: Considering a Cohort Study on Waste Hair Reprocessing Workers | Kousik kr. Mondal1, Shuvam Banerjee1, Shrinjana Dhar1, Sandip Bhattacharjee2 and Pritha Bhattacharjee1  University of Calcutta; West Bengal, India |
|  | 301 | Investigation On Strength Factor Of Composite Concrete Using Quarry Dust And Artificial Aggregates | P. Sudheer1, G. Praveen2  *MVGR College of engineering (Autonomous), Vizianagaram* |
|  | 307 | Durability Properties of Geopolymer Concrete Utilizing Waste as Binder | *AnkitaSikder and PurnachandraSaha*  *KIIT Deemed to be University, Bhubaneswar, Odisha, India* |
|  | 315 | Sustainable Waste Management towards Circular Economy |  |
|  | 323 | USE OF FLYASH AND LIME FOR ATTIANEMENT OF CNS PROPERTIES IN A SWELLING SOIL | *K. V. N. LaxmaNaik, Research Scholar, Sri Venkateswara University College of Engineering, Tirupati, India* |
|  | 328 | Kinetics of the Adsorption and Photodegradation of Crystal Violet and Methylene blue from Wastewater using Titanate nanotube | *Saismrutiranjan Mohanty1, Shuvendu Singha1, Sanjib Moulick2, Sanjoy Kumar Maji1*  *KIIT Deemed to be University, Odisha, Bhubaneswar-751024, India,* |
|  | 330 | Utilization Of Geo Waste In Production Of Geo Fibre Papercrete Bricks | AreejPalekar, SurajPatil, Dr. Uma Kale  Dept. Of Civil Engineering, M.H.SabooSiddik College of Engineering, Byculla, Mumbai. |
|  | 360 | A comparative study for an effective removal of Congo Red & Eriochrome Black T dye from aqueous solution by CeO­2 NPs as an active adsorbent | Sirish R. Panda, Barsharani Priyadarshini, Pankaj K. Parhi, Sanjib Moulick3, Tapas Ranjan Sahoo  *KIIT deemed to be University, Bhubaneswar Odisha, India* |
|  | 361 | An efficient and comparative adsorption of Congo Red and Trypan Blue dyes on MgO nanoparticles: Kinetics, Thermodynamics and Isotherm Studies | Barsharani Priyadarshini1, Tanaswini Patra1, Pankaj K. Parhi2, Sanjib Moulick3, Tapas Ranjan Sahoo1\*  *KIIT deemed to be University, Bhubaneswar 24, Odisha, India* |
|  | 365 | A short review on Constructed Wetlands for effluent treatment | *Indrashis Saha1, Khushbu.K.Birawat2,\**  *1.Independent Researcher, Kolkata, India* |
|  | 373 | Biosorption of Ni+2byNi+2resistant Saccharomyces cerevisiae in presence of some natural nutrients | *Jayeeta Banerjee,1Ranjan Kumar Basu, Sudip Kumar Das\*, Ajit Kumar Banik*  University of Calcutta |
|  | 376 | Thermal Performance of an Improved Smokeless Industrial Biomass Stove | S.K.Sharma  Energy Research Centre, P.U. Chandigarh, India, |
|  | 379 | An study on tensile strength and modulus properties of concrete using industrial waste vermiculite & granite-fines | Damodhara Reddy Budda1 , Kiran Kumar Narasimhan2and ArunaJyothy S3 .C.Sasidhar4  S.V.College of Engineering & Technology,  Chittoor, Andhra Pradesh-517127, India, |
|  | 382 | Improvement of properties of an expansive soil with induction of  Bacteria | \*Suresh Gunji 1 , Ch.Sudha Rani 1 , YugandharGundlapalli 1 , JayakumarKannali 2 , BashaSreenivasuluu 2  Sri Venkateswara University, Tirupati-517 502, A.P |
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|  | 396 | BIOGAS FED SOLID OXIDE FUEL CELLS FOR RURAL  ELECTRIFICATION | Kamalimeera n 1 , aarthi pooja m 1 , priyadharshini s 1 , anitha s, V.kirubakaran 2  Centre for Rural Energy, The Gandhigram Rural Institute – Deemed to be University  Gandhigram, Tamil Nadu |
|  | 399 | Feasiblity Study Of Production Of Bioethanol For Beta Vulgaris For Replacing Fossil Fuel | Prasannakumaran K M 1 , Sanjay Kumar C 1 ,Karthikeyan M 1 , Premkumar D 1; V.Kirubakaran  The Gandhigram Rural Institute – Deemed to be University Gandhigram, Tamilnadu -624 302 |
|  | 400 | Study on Improvement of Strength in Weak Soil using Rice Husk | Dudam Bharath Kumar,  KIIT DU, Bhubaneswar |
|  | 402 | Enhanced anti-bacterial effect of activated carbon prepared from ligno-cellulosic biomass available in North-East India | Harjeet Nath1\*, Chandrani Debnath1, Joydeep Das1, Rishabh Saxena2, Biswajit Sarkar1  Tripura University (A Central University), Agartala-799022, India |
|  | 403 | Economic conditions of the fishing villages Vs fish governance in the state of Andhra Pradesh | M. JAYA KUMAR JACOB a P. BRAHMAJI RAO AcharyaNagarjuna University, Nagarjuna  Nagar, GUNTUR – 522 510. A. P. |
|  | 406 | A Review on Biodegradable Packaging Materials in Extending the Shelf Life and Quality of Fresh Fruits and Vegetables | Ramesh M a , Narendra.G a , Sasikanth.S b  Jawaharlal Nehru Technological  University, kakinada, Andhrapradesh, india |
|  | 412 | Mechanical Properties and Chloride Content on Self Compacting Concrete  Exposed To Sea Water | Biswajit Jena, KirtiKantaSahoo 2  DRIEMS (Auto.),Cuttack-753004, Odisha, India |
|  | 415 | Technology options for sustainable management of Hazardous wastes from refinery and petrochemical Industries | Dr Tapas Kumar Bandyopadhyay, FIE  Environmental Expert  Boom Waste Treatment Company, State of Qatar |
|  | 418 | Prevalence and Risk Factors for Drug Resistance in Patients with Lower Respiratory  Infections in Healthcare Associated Infection-A Single Centre Study from Eastern India. | Dr C Mohan Rao 1 , DrSaswatSubhankar 2 , DrSujit Kumar Pradhan 3 , Prof Debee Prasad Dash,  KIIT deemed-to-be University, Bhubaneswar. |
|  | 419 | Clinico-microbiological profile and antibiotic sensitivity pattern in Patients of diabetic foot ulcers: study from a tertiary care centre | Dr Pradip Kumar Behera1, Dr Krishna Padarabinda Tripathy2, Dr SudhansuSekhar Panda3, Dr Monica Karan4 , Dr DebasisPathi  KIIT University, Patia, Bhubaneswar |
|  | 429 | Effectiveness of planned teaching program on Knowledge regarding menstrual hygiene, use of Sanitary pads and it’s disposal management among The adolescent girls in a selected school ,bbsr,odisha. | Purnimasahoo1 , Niyati Das2 , S.Bhaktiswarupa3  KIIT DU Bhubaneswar, Odisha, India |
|  | 431 | Feasible Base And sub-Base For Low Volume Traffic | S. Sahoo 1\* , S.S. Mohapatra , B. Jena 3  CUTM, BBSR, Odisha , India , |
|  | 432 | “Effectiveness of Sensory Stimulation on Level of Consciousness among Traumatic Brain Injury patients admitted at selected tertiary care hospital, Bhubaneswar, Odisha – A Randomized Controlled Clinical Trial.” | 1Pragyanshree Nanda, 2Amarita Lenka,  3Asokan.R\*, 4N.K. Das  Kalinga Institute of Nursing Sciences, Dept. of Medical Surgical, Bhubaneswar, Odisha. |
|  | 445 | Spontaneous Pyogenic Arthritis Due To An Environmental Opportunistic Pathogen | Dr Krishna Padarabinda Tripathy1, DrPradip Kumar Behera2, DrSudhansuSekhar Panda3, DrDebasis Pathi4, DrMonica Karan5  Odisha, India |
|  | 446 | Development of value added products from different waste materials | Pawan Kumar Bharti\*, R.K. Singh, A. K. Tyagi, P.K. Kaicker R; D Division,  Shriram Institute for Industrial Research, 19, University Road, Delhi-110 007, India |
|  | 447 | Effect of soil enzymes cellulase and amylase activity in response to the  application of triazophos – an insecticide | P.Suvarnalatha Devi\*, B.Lakshmikalyani, T.Madhuri and V.Indrani  Sri PadmavatiMahilaVisvavidyalayam (Women’s University), Tirupati-517502, Andhra Pradesh, India. |
|  | 450 | Medicalization And Pharmaceuticalization- A Recent Concern | Dr.KunalJha, Reader, Department of Public Health Dentistry, Kalinga Institute Of Dental  Sciences, KIIT University, BBSR – 751024 |
|  | 452 | Knowledge & practice regarding maintenance of perineal hygiene& disposal of sanitary napkin among post natal mothers in a selected community- a descriptive study | Aparnna Moharana (Msc Tutor, KINS), Mrs Kalyani Rath (Assoc. Prof, KINS) |
|  | 506 | Effect of complex nutrients on Nickel (II) biosorption from aqueous solution by Ni+2 resistant Saccharomyces cerevisiae RA100. | Jayeeta Banerjee,1Ranjan Kumar Basu,Sudip Kumar Das\*, Ajit Kumar Bani. Kolkata , India |
|  | 507 | Cryogenic capture of industrial emissions for clean energy-environment! | Dilip K. Dea! and IdowuOduniyib  Nigeria |
|  | 508 | A comparative study on degradation of PPCPS in water samples, | Shilpa Bose and Ruchira Mukherjee. Ranchi, India |
|  | 508 | Private Sector Participation in the integrated management of FSTP and Cesspool trucks:  A case study of Dhenkanal Municipality, Odisha, India | Hrudananda Mohanty  *Odisha, India* |
|  | 509 | Gate to Gate life cycle assessment of hydrothermal carbonization process for food waste and yard waste | Sai Krishna Venna1, Hari Bhakta Sharma2, Sagarika Panigrahi3, Brajesh Kumar Dubey4, \*, Hariprasad ReddY5 \*  National Institute of Technology warangal, City, Warangal, |
|  | 510 | Design of a Green Stormwater Control Infrastructure (GSI) using bioretention in Thiruvananthapuram museum botanical garden | S. S. Pillai\*, S. Raju, J. Jose, R. T. Parambil and I. M. S. Pillai,  Thangal Kunju Musaliar College of Engineering,  Kollam, Kerala, 691005, India. |
|  | 511 | Properties of concrete at elevated temperature using waste hdpe as fibre and copper slag as mineral admixture | Marabathina Maheswara Rao1\*, Sanjaya Kumar Patro2  Veer Surendra sai University of Technology, Burla, odisha, India, |
|  | 512 | Runoff modelling for the watershed using hydrological model swat |  |
|  | 513 | A structural model of attitude towards waste prevention behaviour by using driver such as recycling behaviour, affective evaluation, personal norms and environmental awareness | Suman Mondal1,\*, Sudeshna Roy2, Nipu Modak3  Jalpaiguri Govt Engineering College, Jalpaiguri |
|  | 517 | A Context Review on Solid Waste Management in Kabul | Hamidullah Nikzad  Afghanistan |
|  | 518 | A Cloud Based Framework for Efficient Collection and Monitoring of E-Waste in India | Biswajit Debnath1,2, Sadhan Kumar Ghosh  WB, India |
|  | 519 | Health Hazards and Environmental Impacts of e–Waste- An Overview | D. Bharathi  AP, India |
|  | 520 | Microfiber pollution: Challenges and Management | Sunanda Mishra1, Prasant Kumar Rout2 and Alok Prasad Das WB, India |
|  | 522 | Upward Enhanced Electrokinetic Remediation (UEEKR) for real contaminated sediments with heavy metals | Ayyanar Arulpoomalai\* ,T Shashidhar  *Indian Institute of Technology Hyderabad, India* |
|  | 523 | Biomass as an alternate source of renewable energy for a sustainable future | D. Bharathi, A. Suvarna Latha, K.S. Shanthi Sree, K. Nagalakshmamma  AP, India |
|  | 524 | Mathematical Modelling of Aerobic Digestion in Activated Sludge Process | Alomoy Banerjee[1], S Raghuraman  TS, India |
|  | 525 | Biosynthesis of Copper Nanoparticles from Waste Printed Circuit Board Leachate using Punica granatum | Ali Fathi, J. Senophiyah-Mary, Radhakrishnan Loganath, Eunice S  Iran |
|  | 526 | Treatment of Industrial dye waste water by Electrocoagulation process using Iron  Electrode | J. Senophiyah-Mary,  Coimbatore, India |
|  | 527 | De-fluoridisation of phosphogypsum pond wastewater through molluscan shell | Arati Ray, Dr. Manish Kumar , Dr. N K Dhal, AcSIR, CSIR-IMMT, Bhubaneswa,India |

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