



Report

of

International Conference on Environmental Pollution Abatement & Disaster Management

ICEPADM-2021, 18-20 October, 2021

Organized by

Department of Chemistry

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
In association with Indian Desalination Association (InDA)

A three-day International conference on “Environmental Pollution Abatement and Disaster Management” (ICEPADM-2021) was organized by the Department of Chemistry, Swami Keshvanand Institute of Technology, Management and Gramothan in association with Indian Desalination Association during 18-20 October, 2021. In the inaugural session on 18th October, 2021, the Chief Guest of the conference Dr. Anupama Kumar, Senior Scientist, CSIRO, Adelaide, South Australia in her keynote address emphasized that source of pollution need to be focused upon and their removal techniques have to be adopted. Guests of honor of the conference were Prof. P. K. Joshi, School of Environmental Science, JNU, New Delhi and Prof. S.P. Chaurasia, President InDA. The eminent speakers in 5 technical sessions were Prof. Ajay Kr. Dalai, Univ. of Saskatchewan Canada, Prof. Ajay Bansal NIT Jalandhar, Prof. V. C. Srivastava, IIT Roorkee, Roorkee, Prof. Amrit Pal Toor, UICT, Panjab Univ. Chandigarh, Dr. Shraddhakar, Worley Engg., Charleston, USA, Dr. Ramprasad, Central Univ. Bihar, Mr. Sriram Kulkarni Director Technochem group. Mumbai, Dr. S.P. Mehra, Director Rajputana society of Natural history and Dr. Garima Prajapat from Govt. Engg.College Bikaner. All the speakers mainly focused upon various pollution mitigation techniques and management of both natural and anthropogenic disaster. The Chief Guest of the Valedictory Program was Dr. Shraddhakar, Principal Engineer and SME, Worley Engineers, Charleston USA and Guest of Honor, Ms. Anju Harsh, Executive Engineer, PHED.

Director, SKIT Mr. Jaipal Meel congratulated the organizers of the conference for their intellectual academic endeavour.

The Conference Chairpersons were Prof. Sangeeta Vyas & Dr.Madhu Agarwal Vice- President InDA, Convenors were Prof. Vinita Sharma & Dr. Dipaloy Datta, Hony. Secretary InDA Co-covenors were Dr.Sharda Soni (HoD) & Prof. Archana Saxena and Organizing Secretaries were Dr. Swati Joshi, Dr. Anurag Sharma and Dr. Poonam Ojha.

Patrons

Mr. Raja Ram Meel, Patron, SKIT, Jaipur
Mr. Surja Ram Meel, Chairman, SKIT, Jaipur

Mentors

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Prof. (Dr.) S. L. Surana, Director (Academics)
Prof. (Dr.) Ramesh Kumar Pachar, Principal
Mrs. Rachna Meel, Registrar

International Advisory Board

Mr. Chip Eskridge, Manager, Worley Engineering, Charleston, USA
Prof. (Dr.) Ajay K. Dalai, University of Saskatchewan, Canada
Dr. Anupama, Senior Scientist CSIRO, Adelaide, South Australia
Dr. Shradhakar, PE, & SME, Worley Engineering, West Virginia, USA
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Prof. (Dr.) A. B. Gupta, MNIT Jaipur
Prof. (Dr.) P. K. Joshi, School of Environmental Science & Chairperson, Special Center for Disaster Research, JNU, New Delhi, India
Prof. (Dr.) Vimal Chandra Srivastava, IIT Roorkee, Roorkee
Prof. (Dr.) Dinesh Mohan, School of Environmental Sciences, JNU, New Delhi
Prof. (Dr.) Surekha Bhanot, BITS, Pilani
Prof. (Dr.) R. K. Vyas, MNIT, Jaipur
Prof. (Dr.) Amrit Pal Toor, Dr. S.S.B. University Institute of Chemical Engg & Tech., Punjab Univ., Chandigarh
Mr. Bhuvan pathak, Founder-The Himalayan institute of research and development (THIRD)-Bageshwer -Uttarakhand
Prof. (Dr.) Ajay Bansal, NIT, Jalandhar
Mrs. Anju Harsh, Ex. En., PHED, Jaipur
Dr. Ram Prasad, Dept. of Botany, Mahatma Gandhi Central University, Motihari, East Champaran, Bihar, INDIA
Prof. (Dr.) Gurmeet Singh, Delhi University, New Delhi
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Prof. (Dr.) Ragini Gupta, MNIT, Jaipur
Prof. (Dr.) Jyoti Joshi, MNIT, Jaipur
Dr. Nivedita Kaul, MNIT, Jaipur
Dr. Sangeeta Bhargava, UOR, Jaipur
Dr. Babita Malik, Manipal University, Jaipur
Dr. Deepali Lal, Associate Professor, SD Govt. College, Beawar
Prof. (Dr.) Satya Prakash Mehra, Director (Research), Rajputana Society of Natural History, Rajasthan, India
Dr. Pawan Kalla, MNIT, Jaipur
Dr. Garima Prajapat, Dept. of Chemistry, Govt. Engg. College, Bikaner
Dr. Meena, MNIT Jaipur

Important Dates

Abstract submission last date : 10 October, 2021
Acceptance of Abstract : 12 October, 2021
Full paper Submission : 15 October, 2021
Last date of registration : 15 October, 2021

Registration Fees

Category	Indian	Foreigner
PhD Scholar /Students:	300	\$30
Academicians:	500	\$50
Industry Person:	1000	\$50

Payment Details

1. Name of beneficiary: SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT & GRAMOTHAN
2. Name of the Bank : HDFC BANK LTD
3. A/C No. : 50100200092582
4. IFSC Code : HDFC0001329

- E-Certificates will be provided only to the registered participants with more than 80% attendance.
- For queries regarding this conference e-mail at: icepadm21@skit.ac.in & visit conference website: <http://icepadm.skit.ac.in/>

Contact Us

Prof. (Dr.) Sangeeta Vyas
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+91 9079873908

Prof. (Dr.) Vinita Sharma
Department of Chemistry, SKIT
+91 9460766621



International
Conference



ON

Environmental Pollution Abatement & Disaster Management (ICEPADM-2021)

Theme: Safe environment for better living

18-20 October, 2021

Organized by
Department of Chemistry

Swami Keshvanand Institute of Technology,
Management & Gramothan, Ramnagar,
Jagatpura, Jaipur - 302017

In Association with



**Indian Desalination Association
(InDA)**

Supported by

SKIT Research Journal, Jaipur
Science and Tech. Club SKIT, Jaipur
Eco Friends Club SKIT, Jaipur

Institute Advisory Board

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Prof. (Dr.) Brajraj Sharma, HOD-Physics
Prof. (Dr.) Neha Purohit, HOD- English
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Chairpersons

Prof. (Dr.) Sangeeta Vyas, Department of Chemistry
Dr. Madhu Agarwal, Vice President, InDA & Associate Professor,
MNIT, Jaipur

Convenors

Prof. (Dr.) Vinita Sharma, Department of Chemistry
Dr. Dipaloy Datta, Hon. Secretary, InDA

Co- Convenors

Dr. Sharda Soni, HOD, Department of Chemistry, SKIT
Prof. (Dr.) Archana Saxena, Department of Chemistry, SKIT

Organizing Secretaries

Dr. Anurag Sharma, Assoc. Prof., Department of Chemistry, SKIT
Dr. Swati Joshi, Assoc. Prof., Department of Chemistry, SKIT
Dr. Poonam Ojha, Asst. Prof., Department of Chemistry, SKIT

Student Coordinators

Ms. Ritika Jalewa, IT Dept., VII Sem.
Ms. Sweha Rajora, EE Dept., V Sem.
Mr. Sumit Saini, EE Dept., V Sem.
Mr. Shobhit Khandelwal, EE Dept., V Sem.
Mr. Sanjay Singh, EE Dept., V Sem.

About SKIT

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) inspired from the learnings of Swami Keshvanand, was established in the year 2000 by Technocrats and Managers Society for Advanced Learning. Today the institute is recognized as one of the centres of academic excellence in Northern India. The institute is affiliated to Rajasthan Technical University (RTU), Kota for offering Ph.D, Postgraduate and Graduate Courses in Engineering and Management. The institute is approved by

All India Council for Technical Education (AICTE), New Delhi. Engineering branches are accredited by National Board of Accreditation (NBA), New Delhi and also by Institute of Engineers, Kolkata. Located in the Pink City Jaipur, which is a blend of traditional history and modern outlook, SKIT is putting in efforts for making industry ready engineers and managers through effective Industry -Institute Interface. Apart from university curriculum SKIT also pursues activities for research and development in various fields. The Vision of the Institute is "To promote higher learning in advanced technology and industrial research to make our country a global player" and the mission "To promote quality education, training and research in the field of engineering by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students"

SKIT has been consecutively ranked No.1 in engineering programmes for 4 years from 2017-18 to 2020-21 in Rajasthan by Rajasthan Technical University (RTU), Kota. For further information visit: <http://skit.ac.in>

Indian Desalination Association (InDA)

InDA was established in the year 1991 with the main goal for the development and promotion of the appropriate use of desalination and water treatment technologies. Being a neutral association without any commercial bias, InDA is active in spreading awareness and providing an interface for enhanced interaction amongst the stakeholders namely the user sectors, industries, academicians, policy makers and program implementation agencies. InDA is an affiliate of International Desalination Association (IDA) and Asia Pacific Desalination Association (APDA) for policy advocacy and adopting world best practices. Each year InDA conducts an international conference to enhance the skills as well to interact with small & medium industries to enable them to mitigate the problems related to wastewater & water management in addition to pollution control.

Department of Chemistry

The Department of Chemistry strives its best for excellence in research and teaching. Faculty of the department is well qualified and motivated with a strong commitment towards teaching, research and mentoring. The commitment towards research is reflected in the research paper publications in reputed national and international journals as well as presentations in conferences/seminars. The department is well equipped to undertake projects sponsored by the Ministry of Human Resources and Development, Department of Science and Technology, and Council of Scientific and Industrial Research. The department also encourages industry sponsored research. The faculty has been active in organizing conferences, seminars, workshops, FDPs and scientific meetings from time to time. Department offers a vibrant and dynamic atmosphere to nurture the spirit of inquisitiveness amongst students and faculty members.

About The Conference

This conference ICEPMDM-2021 aims at providing an ideal environment to develop new collaborations and gather scholars from all over the world to provide a platform for various researchers around the globe working on the burning issues of the environment and to foster an environment conducive to exchanging ideas and information. Through the scheduled sessions, the conference intends to create awareness amongst all the stakeholders in coherence with various current and emerging issues of environment. The topic of the conference will cover major issues related to the environmental challenges & disaster and measures that can be taken to protect the environment, gearing towards innovative approaches to environmental remediation and restoration.

Themes of the Conference

- Environmental Aspects and Impact of Climate Change in Water Sector
- Advanced and economically feasible methods for removal of pollutants in air, water and soil
- Natural resource management
- Environmental education and awareness
- Disaster management
- Environmental innovations
- Environmental laws and policies
- Desalination and Water Conservation Schemes for Rural and Remote Areas Environmental protection measures
- Global warming and Climate Change
- Health and Environment
- Industrial waste issues and management
- Water Resource Management
- Environment Pollution Abatement/mitigation
- Other related topics

Call for Papers

We invite scientific fraternity to share his/her research/review/theoretical contributions at the conference.

All participants are requested to fill the registration form on or before 05-10-2021 (for Oral / E-poster).

Registration link for Participants other than SKIT: <https://forms.gle/a16k4eNZUrDo7xS87>

Registration link for SKIT Faculty/Students: <https://forms.gle/ULoR675pdVq3k57U9>

Template for abstract can be accessible through link: <https://bit.ly/3nwmXgD>

After acceptance by the reviewer committee, the selected papers may be published in any Springer Journal/any Scopus Indexed Journal/SKIT Research Journal after peer review process.



International Conference on Environmental Pollution Abatement & Disaster Management (ICEPADM-2021)



EMINENT SPEAKERS



Prof. Ajay K. Dalai
Dept. of Chemical and Biological Engg.
University of Saskatchewan, Canada



Dr. Anupama Kumar
Senior scientist, CSIRO
Adelaide, South Australia



Dr. Shraddhakar
Principal Engg., Worley Engg.,
West Virginia, USA



Prof. S. P. Chaurasia
President, InDA and Professor,
MNIT, Jaipur



Prof. P. K. Joshi
School of Envi. Science &
Chairperson, Special Center for
Disaster Reseach, JNU, New Delhi



Prof. Vimal Chandra Srivastava
Head, Chem. Engg. Dept.
IIT Roorkee, Roorkee, India



Prof. Dinesh Mohan
School of Environmental Sciences,
JNU, New Delhi, India



Prof. Amrit Pal Toor
Dr. S.S.B. Univ. Institute of Chem. Engg.
& Tech., Punjab Univ., Chandigarh



Dr. Garima Prajapat
Chem. Dept., Govt. Engineering
College, Bikaner, Rajasthan



Dr. Satya Prakash Mehra
Professor & Director (Research),
Rajputana Society of Natural History,
Rajasthan, India



Mr. Bhuwan Pathak
Founder-The Himalayan Institute of
Research & Development (THIRD),
Bageshwer, Uttarakhand



Mr. Hemish Kapadia
CEO,
Neo Nir, Surat



Prof. Ajay Bansal
Chem. Engg.,
NIT Jalandhar, Punjab



Mr. Sriram Kulkarni
Director, Technochem Group,
Mumbai, India



Dr. Ram Prasad
Department of Botany, Mahatma
Gandhi Central University, Motihari,
East Champaran, Bihar, INDIA

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Department of Chemistry

Swami Keshvanand Institute of Technology, Management & Gramothan,
Ramnagar, Jagatpura, Jaipur - 302017



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PROGRAM SCHEDULE

Date	Time	Programme	Technical Session	Session Chair	Coordinator
Day-1					
Monday 18-10-2021	9:30am-10:30am	Inaugural Session	Chief Guest- Dr. Anupama Kumar (Keynote Speaker) Guest of Honour 1- Prof. (Dr.) S.P. Chaurasia (Keynote Speaker) Guest of Honour 2- Prof. (Dr.) P.K. Joshi (Keynote speaker)		
	10:30am-1:00pm	Plenary Talk-1 Mr. Sriram Kulkarni (Sustainable Water Supply, Contaminated Water Source Rejuvenation, Sewage/Wastewater)	Technical Session - I	Dr. Sharda Soni Dr. Anu Sharma Oral/Poster Presentations Paper ID: ICEPADM2021-001 to 006	Dr. Poonam Ojha
	1:00pm-1:30pm	Lunch Break			
	1:30pm-3:30pm	Plenary Talk-2 Prof. (Dr.) Ajay Bansal (E-Waste: Issues, Challenge and opportunities) Plenary Talk-3 Dr. Satya Prakash Mehra (Local approach with global vision towards nature conservation)	Technical Session - II	Prof. Vinita Sharma Prof. Aashish Nayyar Oral/Poster Presentations Paper ID: ICEPADM2021-007 to 013 and ICEPADM2021-ST-001 to 007	Dr. Swati Joshi
Day-2					
Tuesday 19-10-2021	09:30am-1:00pm	Plenary Talk-4 Prof. (Dr.) Ajay Kumar Dalai (Clean sustainable energy production for pollution abatement) Plenary Talk-5 Prof (Dr.) V.C. Srivastava (Valorization of industrial solid waste)	Technical Session -III	Prof. Archana Saxena Dr. Dhanraj Chitara Oral/Poster Presentations Paper ID: ICEPADM2021-014 to 022	Dr. Poonam Ojha
	1:00pm-1:30pm	Lunch Break			
	1:30pm-3:30pm	Plenary Talk-6 Prof. (Dr.) Amrit Pal Toor (Photocatalysis illuminates chemistry with brilliant green principles) Plenary Talk-7 Mr. Bhuwan Pathak (Himalaya Natural disaster and its impact on society in mountain.)	Technical Session -IV	Prof. Sangeeta Bhargava Prof. Sangeeta Vyas Oral/Poster Presentations Paper ID: ICEPADM2021-023 to 030 ICEPADM2021-ST-008 to 015	Dr. Swati Joshi
Day-3					
Wednesday 20-10-2021	09:30am-1:00pm	Plenary Talk-8 Dr. Shraddhakar (Structural Integrity and Environmental Forces) Plenary Talk-9 Dr. Ramprasad (Exploring the biology of underground root engineering) Plenary Talk-10 Dr. Garima Prajapat (Plastic waste and its management)	Technical Session - V	Dr. Meena Dr. Swati Joshi Oral/Poster Presentations Paper ID: ICEPADM2021-031 to 044 ICEPADM2021-ST-016 to 025	Dr. Poonam Ojha
	1:00pm-1:30pm	Lunch Break			
	1:30pm-2:30pm	Valedictory	Chief Guest Dr. Shraddhakar Guest of Honour Mrs. Anju Harsh		



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PROGRAM SCHEDULE

SCHEDULE OF ORAL/POSTER PRESENTATION

Paper ID	Name of Presenter	Technical Session	
ICEPADM2021-001	Vishnu C V	Monday 18/10/2021 Technical Session-I	
ICEPADM2021-002	Vandana Nunia		
ICEPADM2021-003	Anamika Dubey		
ICEPADM2021-004	Nitin Yadav		
ICEPADM2021-005	Gazala Khan		
ICEPADM2021-006	Sudhir Kumar		
ICEPADM2021-007	Renu Sharma	Monday 18/10/2021 Technical Session-II	
ICEPADM2021-008	Meenakshi		
ICEPADM2021-009	Rahul Sharma		
ICEPADM2021-010	Sonal Choudhary		
ICEPADM2021-011	Uma Rathore		
ICEPADM2021-012	Musarrat Khan		
ICEPADM2021-013	Neetu Dabi	Tuesday 19/10/2021 Technical Session-III	
ICEPADM2021-014	Saurabh Pandey		
ICEPADM2021-015	Manisha Chandel		
ICEPADM2021-016	Sachin Bansal		
ICEPADM2021-017	Priyanka Ashiya		
ICEPADM2021-018	Kusum Rani		
ICEPADM2021-019	Neenu Yadav		
ICEPADM2021-020	Garima Kaushik, Preksha Palsania		
ICEPADM2021-021	Manishita Das Mukherji		
ICEPADM2021-022	Rakhi Chahar		
ICEPADM2021-023	Chandra Prakash	Tuesday 19/10/2021 Technical Session-IV	
ICEPADM2021-024	Mohd Ashraf Dar		
ICEPADM2021-025	Priyanka N		
ICEPADM2021-026	Ronak Parikh		
ICEPADM2021-027	Sushree Sagarika Behera		
ICEPADM2021-028	Debasis Singh		
ICEPADM2021-029	Ravneet Chug		
ICEPADM2021-030	Anu Sharma, Priya Issar		
ICEPADM2021-031	Devlin Leishangthem		Wednesday 20/10/2021 Technical Session-V
ICEPADM2021-032	Minita Ojha		
ICEPADM2021-033	Adhidesh S. Kumawat, Anuya Verma, Anjali Purohit, Dhanusha Karki, Anshul Kandara Sanjay Meghwal		
ICEPADM2021-034	Pratap Singh		
ICEPADM2021-035	Poonam Goklani		
ICEPADM2021-036	Gaurav Saxena		
ICEPADM2021-037	Ranjana Agrawal		
ICEPADM2021-038	Sangeeta Singh		
ICEPADM2021-039	Anju Gupta		
ICEPADM2021-040	Gayatri Sharma		
ICEPADM2021-041	Harsha Rishi		
ICEPADM2021-042	Dheeraj Joshi		
ICEPADM2021-043	Swati Joshi		
ICEPADM2021-044	Poonam Ojha		



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Department of Chemistry

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In association with Indian Desalination Association (InDA)**

PROGRAM SCHEDULE

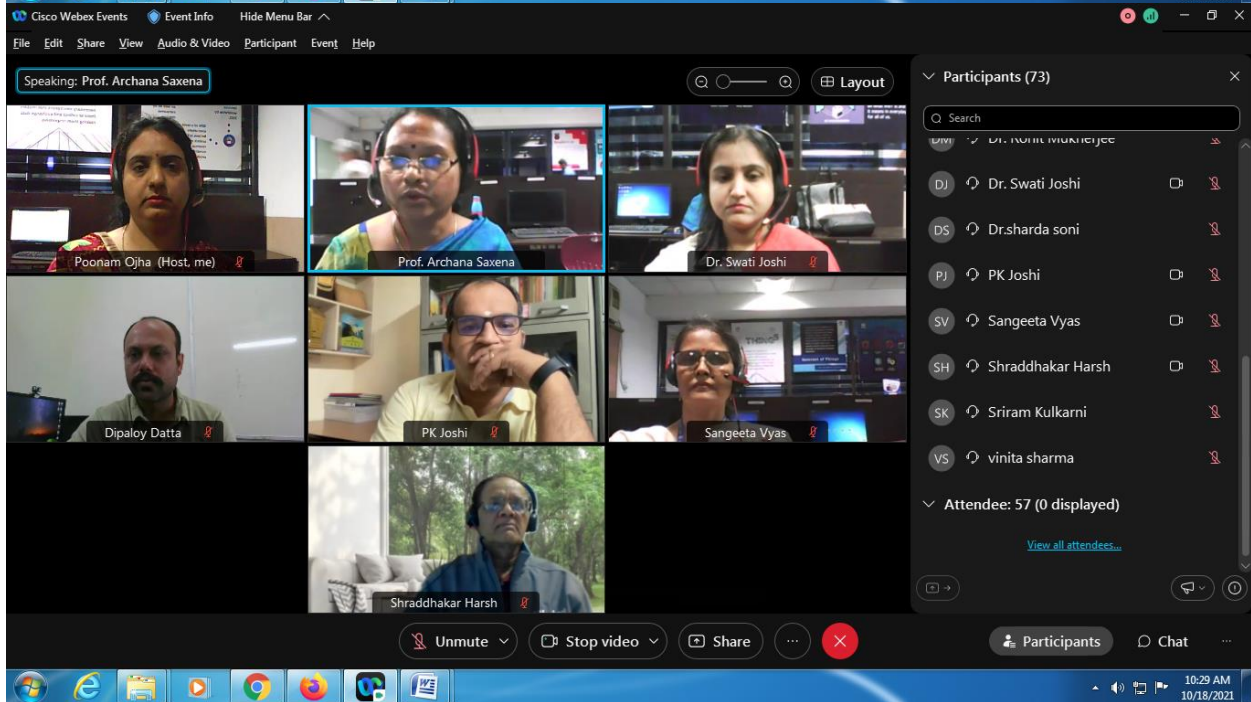
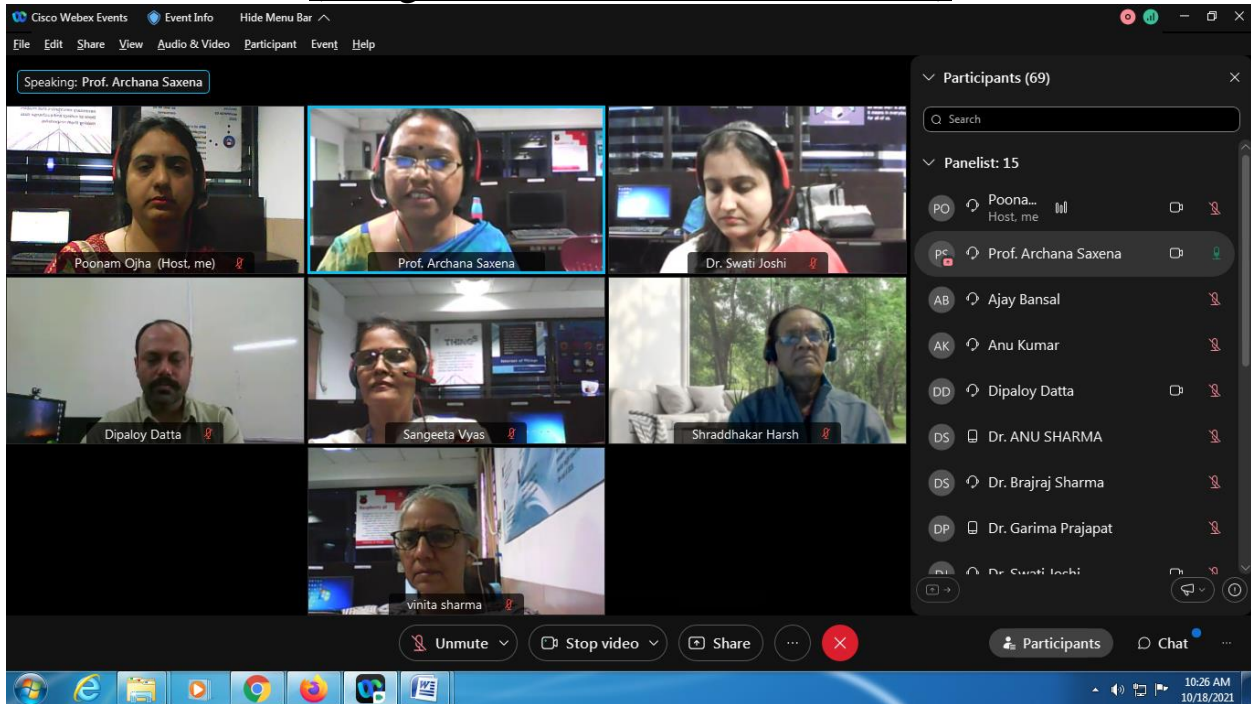
Details of SKIT Students

Paper ID	Name of Presenter	Technical Session
ICEPADM2021-ST-001	Raghav Bhardwaj	Monday 18/10/2021 Technical Session-II
ICEPADM2021-ST-002	Durvish Paliwal	
	Anshita Yadav	
ICEPADM2021-ST-004	Anshul Kumar Yadav	
ICEPADM2021-ST-005	Nishant Kumar	
ICEPADM2021-ST-006	Tapesh Kumar	
	Anjali Singh	
	Mudeet Jain	
	Sainyali Trivedi	
ICEPADM2021-ST-007	Nisha Jain	
	Disha Nagori	
	Aditi Joshi	
ICEPADM2021-ST-008	Bhavika Samdani	Tuesday 19/10/2021 Technical Session-IV
	Skand Gupta	
	Prachi Munot	
ICEPADM2021-ST-009	Shubham Agarwal Jain	
ICEPADM2021-ST-010	Akshita Dalmia	
	Apoorva Dubey	
	Ajay Gupta	
ICEPADM2021-ST-011	Nikhil Singh Khatuwal	
	Aouchitya Kumar Sen	
ICEPADM2021-ST-012	Mishal Gupta	
	Kajol Jain	
ICEPADM2021-ST-013	Sakshi Sharma	Wednesday 20/10/2021 Technical Session-V
	Mansi Jain	
ICEPADM2021-ST-014	Shruti Dubey	
ICEPADM2021-ST-015	Sumit Dangda	
ICEPADM2021-ST-016	Naman Kumar Jain	
	Kunal Mamodiya	
ICEPADM2021-ST-017	Naman Bachlas	
ICEPADM2021-ST-018	Arishma Khan	
ICEPADM2021-ST-019	Aashna Puri	
	Anshita Raghuvanshi	
	Aman Singh	
	Ashik Saini	
ICEPADM2021-ST-020	Anshuman Yadav	
	Amisha Aggarwal	
	Anagh Kumar	
	Abhishek Yadav	
ICEPADM2021-ST-021	Ekta Bhardwaj	
ICEPADM2021-ST-022	Sourabh Sharma	
ICEPADM2021-ST-023	Anjali Sharma	
ICEPADM2021-ST-024	Divyansh Sharma	
	Chhavi Jangid	
	Ayush Podar	
	Gautam Khatri	
ICEPADM2021-ST-025	Eklavya Joshi	
	Ayush Jhanwar	

Conference Photos

Day 1 (18th October, 2021)

(Inauguration & Tech.Session I and II)



Cisco Webex Events Event Info Hide Menu Bar ^

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Participants with video off: 12 hidden

Layout

Sangeeta Vyas

Participants (80)

Panelist: 17

- Poona... Host, me
- AB Ajay Bansal
- AK Anu Kumar
- DJ Dheeraj Joshi
- DD Dipaloy Datta
- DS Dr. ANU SHARMA
- DS Dr. Brajraj Sharma
- DP Dr. Garima Prajapat
- Dr. Babit Mukherjee

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Participants Chat

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Speaking: Sangeeta Vyas

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Poonam Ojha (Host, me)

Sangeeta Vyas

Dr. Swati Joshi

Prof. Archana Saxena

Dheeraj Joshi

Dipaloy Datta

Dr.sharda soni

Shradhakhar Harsh

vinita sharma

Participants (80)

Panelist: 17

- Poona... Host, me
- AB Ajay Bansal
- AK Anu Kumar
- DJ Dheeraj Joshi
- DD Dipaloy Datta
- DS Dr. ANU SHARMA
- DS Dr. Brajraj Sharma
- DP Dr. Garima Prajapat
- Dr. Babit Mukherjee

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Participants Chat

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Poonam Ojha (Host...) Prof. Archana Saxena Dr. Swati Joshi Sangeeta Vyas Dr. sharda soni Shradhdhakar Harsh vinita sharma

Layout

PK Joshi

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Participants Chat

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11:12 AM 10/18/2021

Participants (76)

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Panelist: 18

- PO Poonam Ojha (Host, me)
- DS Dr. ANU SHARMA
- AB Ajay Bansal
- AK Anu Kumar
- DJ Dheeraj Joshi
- DD Dipaloy Datta
- DS Dr. Brajraj Sharma
- DP Dr. Garima Prajapat
- DM Dr. Rohit Mukherjee

Anu Kumar

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Participants Chat

11:22 AM 10/18/2021

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Poonam Ojha (Host...)

Sangeeta Vyas

Dr. Swati Joshi

PK Joshi

Shraddhakar Harsh

Layout

Viewing Anu Kumar's applic...

Emerging contaminants* can be broadly defined as any synthetic or naturally occurring chemical or any microorganism that is not commonly monitored in the environment but has the potential to enter the environment and cause known or suspected adverse ecological and/or human health effects (USGS)

GAS REGISTRY

100 million tonnes

22 million chemicals + 66 million impurities (CAS)

In 2014, more substances added than during 1990-1999

Over 10 million new chemicals are synthesized each year

Surge in chemical use 'a threat to health and environment'

Anu Kumar

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Participants Chat

Participants (74)

Search

Dr. Sharda soni

KU Keshav Gupta - WPS (Banip...

PJ PK Joshi

PS Prof. Archana Saxena

SV Sangeeta Vyas

SH Shraddhakar Harsh

SK Sriram Kulkarni

VS vinita sharma

Attendee: 56 (0 displayed)

View all attendees...

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Speaking: Dr. Swati Joshi

Layout

Poonam Ojha (Host...)

Dr. Swati Joshi

Ajay Bansal

Sangeeta Vyas

Anu Kumar

PK Joshi

Dr.sharda soni

Prof. Archana Saxena

Sriram Kulkarni

vinita sharma

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Participants Chat

Participants (62)

Search

Panelist: 14

Poonam Ojha (Host, me)

AB Ajay Bansal

AK Anu Kumar

DS Dr. ANU SHARMA

DS Dr. Brajraj Sharma

DP Dr. Garima Prajapat

DM Dr. Rohit Mukherjee

DJ Dr. Swati Joshi

DS Dr.sharda soni

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Participants with video off: 7 hidden



Dr.sharda soni

Participants (62)

Panelist: 14

- Poona... Host, me
- Ajay Bansal
- Anu Kumar
- Dr. ANU SHARMA
- Dr. Brajraj Sharma
- Dr. Garima Prajapat
- Dr. Rohit Mukherjee
- Dr. Swati Joshi
- Dr.sharda soni

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Participants Chat

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Speaking: Dr.sharda soni

Layout



Participants (63)

Panelist: 14

- Poona... Host, me
- Ajay Bansal
- Anu Kumar
- Dr. ANU SHARMA
- Dr. Brajraj Sharma
- Dr. Garima Prajapat
- Dr. Rohit Mukherjee
- Dr. Swati Joshi
- Dr.sharda soni

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Participants Chat

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Layout

Poonam Ojha (Host, me)

Anu Kumar

Sangeeta Vyas

Prof. Archana Saxena

Sriram Kulkarni

Vinita Sharma

Dr. Swati Joshi

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Participants Chat

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Speaking: Sriram Kulkarni Viewing Sriram Kulkarni's a...

Layout

Participants (60)

Search

Panelist: 13

- PO Poonam Ojha (Host, me)
- SK Sriram Kulkarni
- AB Ajay Bansal
- AK Anu Kumar
- DS Dr. ANU SHARMA
- DS Dr. Brajraj Sharma
- DP Dr. Garima Prajapat
- DM Dr. Rohit Mukherjee
- DS Dr. Swati Joshi

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Participants Chat

12:12 PM 10/18/2021

Presenting


Sustainable Water Supply, Contaminated Water Source Rejuvenation, Sewage/Wastewater Recycle/Reuse and Advanced Seawater Desalination Technologies

Presented By: Mr. Sriram Kulkarni,
Technochem Group, Mumbai

Presented On: 18th October 2021

Environmental Pollution Abatement and Disaster Management (ICEPADM - 2021)

Organized: Chemistry Department, SKIT, Jaipur, & Indian Desalination Association (InDA)



Presenting

Sustainable Water Supply, Contaminated Water Source: Rejuvenation, Sewage/Wastewater Recycle/Reuse and Advanced Seawater Desalination Technologies

Presented By: Mr. Sriram Kulkarni,
Technochem Group, Mumbai
Presented On: 18th October 2021

Environmental Pollution Abatement and Disaster Management (ICEPADM - 2021)

Organized: Chemistry Department, SKIT, Jaipur, & Indian Desalination Association (InDA)

Sriram Kulkarni

Participants (60)

Panelist: 13

- PO Poona... Host, me
- SV Sriram Kulkarni
- AB Ajay Bansal
- AK Anu Kumar
- DS Dr. ANU SHARMA
- DS Dr. Brajraj Sharma
- DP Dr. Garima Prajapat
- DM Dr. Rohit Mukherjee
- Dr. Swati Joshi

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Day 2 (19th October, 2021)
(Tech. Session III & IV)

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Dr. Dhanraj Chitara

Ajay Dalai

Participants (51)

Panelist: 8

- PO Poona... Host, me
- AD Ajay Dalai
- DC Dr. Dhanraj Chitara
- DP Dr. Garima Prajapat
- DJ Dr. Swati Joshi
- PS Prof. Archana Saxena
- SV Sangeeta Vyas
- VS vinita sharma

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Dr. Swati Joshi Ajay Dalai

Viewing Ajay Dalai's screen

UNIVERSITY OF SASKATCHEWAN

Outline of the Presentation

- ❖ Introduction of the Topic
- ❖ Biomass – A Possible Solution for World's Energy Crisis
- ❖ Biomass Conversion Technologies for Clean Sustainable Energy Production
- ❖ Supercritical Water Gasification and Hydrothermal Liquefaction: Challenges and Opportunities
- ❖ Our Research on Clean Energy Production from Biomass
- ❖ Summary and Conclusions
- ❖ Acknowledgements

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Participants Chat

Participants (58)

Search

Panelist: 8

- PO Poona... Host, me
- AD Ajay Dalai
- DC Dr. Dhanraj Chitara
- DP Dr. Garima Prajapat
- DJ Dr. Swati Joshi
- PS Prof. Archana Saxena
- SV Sangeeta Vyas
- VS vinita sharma

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Speaking: Sangeeta Vyas, Prof. Archana Saxena

Layout

Poonam Ojha (Host, me) Prof. Archana Saxena Dr. Swati Joshi

Ajay Dalai Ashish Nayyar Nivedita Kaul

Dr.sharda soni Sangeeta Vyas vinita sharma

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Participants (87)

Search

Panelist: 15

- PO Poona... Host, me
- AD Ajay Dalai
- AN Ashish Nayyar
- DP Dr. Garima Prajapat
- DM Dr. Rohit Mukherjee
- DJ Dr. Swati Joshi
- DS Dr.sharda soni
- NK Nivedita Kaul
- PS Prof. Archana Saxena

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7 hidden

Poonam... (Host...)

Ajay Dalai

Dr. Swati Joshi

Dr.sharda soni

vinita sharma

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Sharing momento



Prof. Archana Saxena

Ashish Nayyar

Sangeeta Vyas

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Participants Chat

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Participants with video off: 3 hidden

Layout

 Poonam Ojha (Host, me)	 Dr. Swati Joshi	 Prof. Archana Saxena	 Ajay Dalai
 Sangeeta Vyas	 Dr.sharda soni	 Ashish Nayyar	 Raj Kumar Vyas
 Ram Prasad	 Sangeeta Bhargava	 Vimal Chandra Srivastava	 vinita sharma

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Participants Chat

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10 hidden

Poonam Ojha (Host...) Ajay Dalai Sangeeta Vyas Prof. Archana Saxena


Layout


Viewing Vimal Chandra Sriv...

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Valorisation of industrial solid wastes

Prof. Vimal Chandra Srivastava
G B Pant Institute Chair Professor,
Head, Department of Chemical Engineering
Indian Institute of Technology Roorkee
Roorkee - 247667, Uttarakhand, India.
Email: vimal.srivastava@ch.iitr.ac.in, vimalcsr@yahoo.co.in





Vimal Chandra Srivastava

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10:58 AM 10/19/2021

Participants (71)

Search

Panelist: 15

- PO Poonam Ojha (Host, me)
- vc Vimal Chandra Srivastava
- AD Ajay Dalai
- AN Ashish Nayyar
- DP Dr. Garima Prajapat
- DM Dr. Rohit Mukherjee
- DJ Dr. Swati Joshi
- DS Dr. sharda soni
- M... M... K...

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17 hidden

Poonam Ojha (Host...) Ajay Dalai Dr. sharda soni Minita Ojha

Layout

Viewing Minita Ojha's appli...



Use of Social Media in Disaster Management: A Review

Presenter: Dr. Minita Ojha
Agrawal P.G. College,
Jaipur
ICEPADM-2021
ICEPADM2021-032

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Participants Chat

11:54 AM 10/19/2021

Participants (57)

Search

Panelist: 21

- PO Poonam Ojha (Host, me)
- MO Minita Ojha
- AD Ajay Dalai
- AN Ashish Nayyar
- DK Dr. Garima kaushik
- DP Dr. Garima Prajapat
- DM Dr. Manishita Das Mukherji
- DM Dr. Rohit Mukherjee
- DJ Dr. Swati Joshi

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Participants with video off: 18 hidden

Poonam Ojha (Host...) Prof. Archana Saxena Dr.sharda soni

Layout

Participants (50)

Panelist: 22

- PO Poonam Ojha (Host, me)
- SP Saurabh Pandey
- AN Ashish Nayyar
- DS Dr. ANU SHARMA
- DK Dr. Garima kaushik
- DP Dr. Garima Prajapat
- DM Dr. Manishita Das Mukherji
- DM Dr. Rohit Mukherjee
- Dr. Suniti Joshi

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Participants Chat

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manisha chandel Prof. Archana Saxena PRIYANKA N Dr.sharda soni

Layout

Participants (48)

Panelist: 21

- PO Poonam Ojha (Host, me)
- MC manisha chandel
- AT Amrit Toor
- AN Ashish Nayyar
- DS Dr. ANU SHARMA
- DK Dr. Garima kaushik
- DM Dr. Manishita Das Mu...
- DM Dr. Rohit Mukherjee
- Dr. Suniti Joshi

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Participants Chat

Efficient degradation of typical pharmaceuticals in water using a novel BIOBr/BIOCl/RGO nano-photocatalyst under natural sunlight

International Conference on Environmental Pollution Abatement & Disaster Management

Supervised by:
Dr. Manita Thakur
 Assistant Professor
 Deptt. of Chemistry
 IEC University, Baddi (India)

Presented by:
Manisha
 Ph.D. Research Scholar

Co-Supervised by:
Dr. Ajay Kumar
 Assistant Professor
 Deptt. of Chemistry
 Maharaja Agrasen University,
 Baddi (India)

IEC UNIVERSITY
 THE KNOWLEDGE EXPERTS
 H.P.

DEPARTMENT OF CHEMISTRY
 IEC UNIVERSITY BADDI, SOLAN
 HIMACHAL PRADESH
 INDIA (2021)

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Poonam Ojha (Host...) Dr. Manishita Das Mukherji Dr. Swati Joshi

Layout

Participants (46)

Q Search

- DK Dr. Garima kaushik
- DM Dr. Rohit Mukherjee
- DJ Dr. Swati Joshi
- DS Dr.sharda soni
- MO Minita Ojha
- NY Neenu Yadav
- PP Preksha Palsania
- PN **PRIYANKA N**
- PS Prof. Archana Saxena
- RC rakhi chahar

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Participants Chat

12:48 PM 10/19/2021

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Poonam Ojha (Host, me) PRIYANKA N Dr. Swati Joshi Dr. Manishita Das Mukherji Amrit Toor

Layout

Participants (45)

Q Search

- RC **rakhi chahar**
- AT Amrit Toor
- AN Ashish Nayyar
- DS Dr. ANU SHARMA
- DM Dr. Manishita Das Mukherji
- DM Dr. Rohit Mukherjee
- DJ Dr. Swati Joshi
- DS Dr.sharda soni
- MO Minita Ojha
- NY Neenu Yadav

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Participants Chat

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Viewing rakhi chahar's appli...

Eastern Rajasthan

Eastern Rajasthan is an important physiographic unit of the state, laying in the west part of the savali ranges, characterized by rolling plateau with rounded hills and forest. The study area comprises of six eastern districts - War, Bharatpur, Dholpur, Karauli, Sawai Madhopur, Jhalawar.

rakhi chahar

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Poonam Ojha Host, me Amrit Toor Prof. Archana Saxena rakhi chahar PRIYANKA N

Layout

Viewing Kusum Goyal's scre...

Objectives

Genotoxicity assessment of treated liquid waste generated by prominent hospital of Jaipur.

Checking the efficiency of functional treatment plant by collecting water at different times.

Work plan:

1. Collection of treated hospital wastewater from the outlet of STP at different times interval (March 2020 to January 2021).
2. The Physico-chemical analysis of treated wastewater was done (each time during collection) and compared with municipal tap water. APHA standards and methods of analysis of wastewater.
3. Different concentrations of treated wastewater was prepared using tap water.
4. Genotoxicity analysis was done by @ Bone marrow micronucleus aberration assay @ Bone marrow Eryth. smeg. Shriv. albino mice @ Mar. macrophage as an experimental

Kusum Goyal

Participants (44)

Search

- DJ Dr. Swati Joshi
- DS Dr.sharda soni
- MO Minita Ojha
- NIV Neenu Yadav

Chat

from Poonam Ojha to Neenu Yadav (privately): 1:02 PM

would u like to present

To: Neenu Yadav

Enter chat message here

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Participants Chat

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Poonam Ojha Host, me Amrit Toor Dr. Swati Joshi Kusum Goyal Prof. Archana Saxena

Layout

Viewing PRIYANKA N's appl...

GEOSPATIAL TECHNIQUES FOR WATER RESOURCE MANAGEMENT IN THE SUB URBAN REGION OF CHENNAI CITY

BY PRIYANKA N (RESEARCH SCHOLAR)
ICEPADM2021-025
Under Guidance Of DR. G. BHASKARAN
Professor and Head of i/c Centre for water resource management,
UNIVERSITY OF MADRAS, CHENNAI.

PRIYANKA N

Participants (42)

Search

- PS Prof. Archana Saxena
- RC rakhi chahar
- SB SACHIN BANSAL
- SB Sangeeta Bhargava
- SV Sangeeta Vyas
- VS Vimal Chandra Srivastava
- VS vinita sharma

Attendee: 23 (0 displayed)

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15 hidden Viewing Amrit Toor's screen Layout

Comparison of present process with available literature reports

The diagram shows the conversion of Lactic Acid to Alkyl Lactate. Two pathways are compared:

- Thermal Catalysts:** 70-80 °C.
- This Work:** 30-40 °C, UV Light, No Solvent.
- Enzymatic Catalysts:** 30-40 °C, 12-24hrs, Solvent Dependent.

The chemical structures are: Lactic Acid ($\text{HO}-\text{C}(\text{OH})(\text{CH}_3)-\text{COOH}$) and Alkyl Lactate ($\text{H}_2\text{C}-\text{O}-\text{C}(\text{OH})(\text{CH}_3)-\text{COOH}$).

Amrit Toor

Participants (44)

Panelist: 16

- PO Poona... Host, me
- AT Amrit Toor
- DS Debasis Singh
- DS Dr. ANU SHARMA
- DS Dr. Renu Sharma
- DM Dr. Rohit Mukherjee
- DJ Dr. Swati Joshi
- DS Dr.sharda soni
- MS Mehd Akshof Das

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2:28 PM 10/19/2021

Day 3(20th October, 2021)
(Tech. Session V & VI)

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Speaking: Shraddhakar Harsh

Layout

STRUCTURAL INTEGRITY AND ENVIRONMENTAL FORCES

Shraddhakar Harsh

Participants (18)

Panelist: 8

- PO Poona... Host, me
- SH Shraddhakar Harsh
- DP Dr. Garima Prajaapat
- DJ Dr. Swati Joshi
- DS Dr.Sharda soni
- MN Meena Nemiwal
- PS Prof. Archana Saxena
- SV sangeeta vyas

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9:52 AM 10/20/2021

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Speaking: sangeeta vyas

Layout

Participants (29)

Search

Panelist: 10

- Poona... Host, me
- DP Dr. Garima Prajaapat
- DJ Dr. Swati Joshi
- DS Dr.Sharda soni
- MN Meena Nemiwal
- PS Prof. Archana Saxena
- RV Raj Kumar Vyas
- SV sangeeta vyas
- Shraddhakar Harsh

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10:40 AM 10/20/2021

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6 hidden

Layout

Viewing Ram Prasad's screen

Exploring the Biology of Underground Root Engineering

Dr. Ram Prasad
Associate Professor
Department of Botany
Mahatma Gandhi Central University
Motihari, Bihar, INDIA
Email: rpjnu2001@gmail.com ; ramprasad@mgcub.ac.in

Participants (28)

Search

- Dr. Swati Joshi
- DS Dr.Sharda soni
- MN Meena Nemiwal
- PS Prof. Archana Saxena
- RV Raj Kumar Vyas
- SV sangeeta vyas
- SH Shraddhakar Harsh
- VS vinita sharma

Attendee: 18 (0 displayed)

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Participants Chat

11:04 AM 10/20/2021

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Speaking: sangeeta vyas

Poonam Ojha (Host, me) Dr. Swati Joshi Meena Nemiwal Ram Prasad

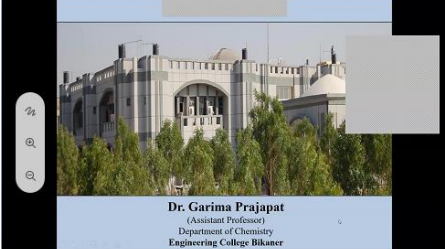
Layout

Participants (29)

Panelist: 11

- PO Poonam Ojha (Host, me)
- DP Dr. Garima Prajapat
- DS Dr. ANU SHARMA
- DJ Dr. Swati Joshi
- DS Dr. Sharda soni
- MN Meena Nemiwal
- PS Prof. Archana Saxena
- RP Ram Prasad
- SV Sangeeta Vyas

Viewing Dr. Garima Prajapa...



Dr. Garima Prajapat
(Assistant Professor)
Department of Chemistry
Engineering College Bikaner

Dr. Garima Prajapat

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Participants Chat

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Poonam Ojha (Host, me) priyanka ashiya Dr. Swati Joshi poonam Goklani Meena Nemiwal

Layout

Participants (45)

Panelist: 21

- PO Poonam Ojha (Host, me)
- PA priyanka ashiya
- AK Adhidesh Kumawat
- AG anju Gupta
- AH Anju Harsh
- DS Dr. ANU SHARMA
- DS Dr. Gayatri Sharma
- SV Dr. Swati Joshi

Viewing priyanka ashiya's sc...




ADVANTAGES OF SCIENTIFIC LANDFILLS

Waste treated during disposal Controlled extraction of methane gas

No risk of pollutants going underground

"A scientific landfill ensures that there is no risk of pollutants seeping underground or enough generation of methane to light up the garbage. This reduces the risk of environmental or health hazards tremendously, said A.K. Agnihotri, Professor, The Energy and Resources Institute (TERI)."

Engineers with technical know-how of constructing scientific landfills remain rare, more so because for years this aspect of waste management hasn't been explored.

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Participants Chat

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Participants: Poonam Ojha (Host, me), khushbu parik, Dr. Swati Joshi, sangeeta singh, anju Gupta

Viewing khushbu parik's scr...

Conclusion

1. As the percentage of crumb rubber increases from 0% - 7.5% in the concrete mix there is an increase in insertion loss values. The insertion loss value is maximum for 7.5% of crumb rubber, at all the distances from the sound sources.
2. All the barriers with different composition ratio of crumb rubber are best suited for frequency range of 750 Hz to 4 kHz.
3. For all the considered ratios of the mix, it is observed that the maximum attenuation is achieved at 1 kHz frequency, which makes barriers suitable to be used in Indian traffic condition.
4. These results open a sustainable way to use crumb rubber particles as sound absorbing material where noise has relatively high frequency from 750 Hz to 4 kHz. Thus, employing the rubber particles in concrete mix may provide a solution to both noise pollution and solid waste management.

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Participants: Poonam Ojha (Host...), sangeeta singh, Dr. Gayatri Sharma, Dr. Swati Joshi, khushbu parik

Viewing sangeeta singh's a...

Physico - Chemical Analysis of Contaminated Soil Collected from different Areas of Balotra Textile Industries Barmar

Research scholar
Sangeeta singh
Department of Chemistry
Jai Narain Vyas University, Jodhpur India
Supervisor
Dr. Sangeeta Loonker
Professor

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Participants Chat

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Speaking: Dr. Gayatri Sharma

Layout

Participants (41)

Search

- PS PRATAP SINGH
- PS Prof. Archana Saxena
- SS sangeeta singh
- SV sangeeta vyas
- SH Shraddhakar Harsh
- SK Sudhir Kumar
- VS vinita sharma

Attendee: 24 (0 displayed)

[View all attendees...](#)

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Participants Chat

PPT for Skit - Microsoft PowerPoint

Viewing Dr. Gayatri Sharma...

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Slides Outline

Disaster Solid Waste Management

OUTLINES

- Introduction
- Types of disaster waste
- Waste management phases
- Significance of disaster waste management
- Conclusion and
- References

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Slide 2 of 15 "Cril" - English (United States)

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Poonam Ojha Host, me PRATAP SINGH Dr. Swati Joshi Dr. Gayatri Sharma anju Gupta

Layout

Participants (40)

Search

Panelist: 16

- PO Poonam Ojha Host, me
- PS PRATAP SINGH
- AG anju Gupta
- AH Anju Harsh
- AH Anju Harsh
- DS Dr. ANU SHARMA
- DS Dr. Gayatri Sharma
- DJ Dr. Swati Joshi
- DS Dr. Swati Joshi

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Viewing PRATAP SINGH's a...

Introduction

1. From last some decade it is considered that the chemical reactions are ongoing in direction of sustainable because of environmental issues.
2. Green chemistry is a growing field which involves the reaction in environmental friendly solvent and catalyst.
3. Nanocatalyst are the good performing catalyst in term of selectivity, reaction probability and improved yield of designed product.
4. Surface area of nanoparticales is greater than normal reaction catalyst so active site per unit volume is higher.
5. Metallic nanoparticles can be made by many processes which involve chemical and green synthesis of NPs.
6. Now a days research has focused on green synthesis of nanoparticles because it is environmental friendly process.

1:57 PM 10/20/2021

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Poonam Ojha (Host) anju Gupta Dr. Swati Joshi PRATAP SINGH Dr. Gayatri Sharma Layout

Viewing anju Gupta's screen

International Conference on Environmental Pollution Abatement & Disaster Management (ICEPADM - 2021)

A review on the pervasiveness of antibiotics and its removal approach from wastewater

Paper ID: ICEPADM2021-039
20/10/2021

Presented by
Anju Gupta
Research Scholar
Dept. of Chemical Engineering
MNIT Jaipur, India

Authors:
Anju Gupta, Raj K. Vyas and Sangeeta Vyas

18th-20th October, 2021

Participants (39)

Panelist: 16

- PO Poona... Host, me
- AC anju Gupta
- AH Anju Harsh
- AH Anju Harsh
- DS Dr. ANU SHARMA
- DS Dr. Gayatri Sharma
- DJ Dr. Swati Joshi
- DS Dr. Sharda soni
- MN Meena Nemiwal

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