



INNOVATIVE STRATEGIES FOR SUSTAINABLE WATER MANAGEMENT 2017 - ISSWM 2017

Program Schedule for Day 1: November 17, 2017

| Time: | Events: |
|-------------------|--|
| 08:00AM Onwards | Registration |
| 09:00AM - 09:20AM | Seating in SDM Auditorium |
| 09:20AM - 09:30AM | Floral Welcome of all Keynote Speakers by VC Sir and Dr. Lovi Raj Gupta; About the conference |
| 09:30AM - 09:50AM | Keynote Lecture by Dr. Pawan Kumar Labhasetwar , Sr. Principal Scientist, Water Technology and Management Division (WTMD), National Environmental Engineering Research Institute, Nehru Marg, Nagpur, 440020, India |
| 09:50AM - 10.10AM | Keynote Lecture Prof. Arvydas Povilaitis , Water Resources Engineering, Aleksandras Stulginskis University, Lietuva, Lithuania |
| 10:10AM - 10:30AM | Tea Break |
| 10:30AM – 12:00AM | Inauguration Ceremony |
| 12:00AM - 12:20PM | Keynote Lecture by Prof. Joshua M. Peschel , Agricultural and Biosystems Engineering, Iowa State University, 2348 Elings Hall, Ames, Iowa 50011-3270 |
| 12:20PM - 12:40PM | Keynote Lecture by Prof. Milena Moteva , University of Architecture, Civil Engineering and Geodesy, Faculty of Geodesy, Department of Land Management and Agricultural Development, Hristo Smirnenski, Blvd., 1046 Sofia, Bulgaria |
| 12:40PM - 01:20PM | Lunch |
| 01:30PM - 02:20PM | Keynote Lecture by Prof. Chander K. Shahi , Faculty of Natural Resources Management, Braun Building 1009G, Lakehead University, 955 Oliver Road, Thunder Bay, ON P7B5E1 |
| 02:20PM - 04:00PM | Parallel Session: <ul style="list-style-type: none">• Lead Lectures in SDM auditorium.• Oral presentation in 3 parallel sessions in Block 29.• Poster Evaluation. |
| 04:00PM - 04:30PM | Tea Break |
| 04:30PM - 05:30PM | Cultural Events |
| 05:30PM - 07:00PM | On-leisure (Campus Visit, Uni Hotel) |
| 07:00 Onwards | Dinner & Networking over Dinner |

**Schedule of Scientific Program:****Oral Presentation****Day 1: November 17, 2017****Venue: Block 32, Room No. 413**

| Sr. | Time | Presenter |
|-----|---------------|---|
| 1. | 2:30 -2:40 PM | Sanju Hulloli, Khajanchi Lal, Manasvini, KG Rosin, TJ Purakayastha & Ravinder Kaur. Rice Husk Biochar: A Potent Adsorbent for Nickel Removal from Wastewater. |
| 2. | 2:42- 2:52 PM | Afreen Anwar, Gaser N. Abdelrasoul , Scott MacKay, Manzoor A Shah, Damase P Khasa & Jie Chen. Rapid Detection of <i>E. coli</i> based on Surface Functionalized Interdigitated Electrochemical Biosensor |
| 3. | 2:54- 3:04 PM | Renu Singh, Prakash Bhadoria, Khajanchi Lal, Manoj Shrivastava & Ruma Das. Profiling of Rice Straw-based Adsorbent for Heavy Metal Removal from Wastewater |
| 4. | 3:06- 3:16 PM | Khajanchi Lal, P.S. Minhas, R.K. Yadav & K.G. Rosin. Long-term Sewage Irrigation and Fertilizer Effects on Carbon Balance in Peri-Urban Cropping Systems |
| 5. | 3:18- 3:28 PM | Alok Bharadwaj, Gaurav Sharma, Kriti Khandelwal & A.K. Bhatia. Industrial Pollution: A Threat for the Existence of River Yamuna |
| 6. | 3:30- 3:40 PM | Mohit Garg, Caterina Valeo, Rishi Gupta, Shiv Prasher, Neeta Raj Sharma & Peter Constabel. Integrating Natural and Engineered Remediation Strategies for Water Quality Management in Low Impact Development (LID) Approach. |
| 7. | 3:42- 3:52 PM | Arpit Srivastava, Ms. Rupika Sinha & Dr. Pradeep Srivastava Design of a Unit for the Treatment of Textile Effluent and to check the Techno-Feasibility of Unit. |



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Schedule of Scientific Program:

Oral Presentation

Day 1: November 17, 2017

Venue: Block 38, Room No. 208

| Sr. | Time | Presenter |
|-----|---------------|--|
| 1. | 2:30 -2:40 PM | Mrinmoyee Maity, Nimanpreet Kaur, Karampreet Kaur, Gaurav Kumar Silver Nanoparticles Mediated Prevention of Bacterial Biofouling |
| 2. | 2:42- 2:52 PM | Dr. V. Rajesh Kumar & R. Manoharan. Impact of Land Use Changes in Sustainability at a Coastal Village Kilaiyur, Tamilnadu, India: A Remote Sensing and GIS Approach. |
| 3. | 2:54- 3:04 PM | Rajesh Kumar, Shah Raj Ali & Mahesh Chandra Arya. Adsorption Potential of Zirconium Ferrite Nanocomposite for the Removal of Ni (II) from Industrial WasteWater. |
| 4. | 3:06- 3:16 PM | Mamta Singh, Gaurav Pant & A.K. Bhatia Assessment of Toxic Metal Ions in Water, Sediment and Flora of Yamuna River (Mathura – Agra Region, India). |
| 5. | 3:18- 3:28 PM | Jyotindra J Bhatt & Mrugesh H Trivedi. Analysis and Method Development for Residual Pesticides of Agricultural Soil and Water of GIB Area Kachchh, Gujarat, India. |
| 6. | 3:30- 3:40 PM | Simmer Preet & Pratibha Teotia. Innovative Technologies for Urban WasteWater Treatment. |
| 7. | 3:42- 3:52 PM | Manisha Sharma, Mandeep Sampla, Krinshna K. Haldar, Jiban Jyoti Panda & Jibanananda Mishra. An Appraisal of Physico-Chemical Properties of Water Collected from Punjab Rivers. |

**Schedule of Scientific Program:****Oral Presentation****Day 1: November 17, 2017****Venue: PC Office Conference Room**

| Sr. | Time | Presenter |
|------------|-----------------------|--|
| 1. | 2:30 -2:40 PM | Daisy Kandhari & Joydeep Dutta. Efficacy of Almond Shells for Removal of Dye from Wastewater. |
| 2. | 2:42- 2:52 PM | Mohmad Amin & Q. J. Shammi. The Toxicological Impact of Iron on Biochemical Parameters of Liver and Kidney in Indian Major Carp <i>Labeo rohita</i> (Ham.). |
| 3. | 2:54- 3:04 PM | Nimisha Tehri, Naresh Kumar, Rajesh Gopaul, Pradip Kumar & Raghu H.V. Bacterial Spore Based Biosensor for Detection of Pesticides in Water. |
| 4. | 3:06- 3:16 PM | Sanjeev Kumar. Isolation and Characterization of Microbial Strains from Textile Industry Effluent of Budha Nallah of Ludhiana City, Punjab, India: Analysis with Bioremediation. |
| 5. | 3:18- 3:28 PM | Ajay Kumar & Joginder Singh. Progress and Prospects of Biosorption Process for Wastewater Treatment. |
| 6. | 3:30- 3:40 PM | Harpreet Kaur & Anand Mohan. Acid Mine Drainage: An Environmental Disaster, Result of Long Term Mining Activities. |
| 7. | 3:42- 3:52 PM | A. Najitha Banu, Amaninder Kaur, Rahul Kumal, Nayem Ul Haq, Randeep Kaur & Kiran Sharma. Engineered Silver Nanoparticles for Wastewater Treatment and Its Impact on Aquatic Environment. |
| 8. | 3:54- 4: 04 PM | Dr. Vijeta Sharma. Wastewater Management. |

**Schedule of Scientific Program:****Poster Presentation****Day 1: November 17, 2017****Venue: SDM Auditorium****List of Participants:**

| Sr. | Name | |
|-----|--|--------------------|
| 1. | María Isabel Delgado, Ramesh Kanwar, Carl Pederson, Chi Hoang, Huy Nguyen Rainfall Simulations to Evaluate Pathogen and Nutrients Runoff Loss Under Controlled Conditions. | Day 1 PP-1 |
| 2. | María Isabel Delgado, Eleonora Carol, María Adela Casco & María Elicia Mac Donagh. The Peri-Urban Interface: Hydrological Effects of Anthropogenic Pressure | Day 1 PP-2 |
| 3. | Dr. G.P. Kapoor and Akshay Rana Waste Water Management - A Study on Wastewater Management and Its Issues and Challenges. | Day 1 PP-3 |
| 4. | Bilques Farooq and Bhupendra Koul Comparative Analysis of The Anti-Bacterial Activities Of Moringa oleifera L. Varieties for Treating The Contaminated Waters | Day 1 PP-4 |
| 5. | Nazakat Ali, Shuvendu S. Mohapatra Current Trends in Water Purification Process | Day 1 PP-5 |
| 6. | Shalini Kumari and Pratibha Teotia Innovative Wastewater Treatment and Resource Recovery Technologies | Day 1 PP-6 |
| 7. | Pavneet Kaur Bhatia and Gaurav Kumar Bio-Decolourisation of Textile Dyes | Day 1 PP-7 |
| 8. | Dr. Manoj Kumar Jena, Shuvendu Shekhar Mohapatra, Nazakat Ali Advancement in Solar Technology for Water Purification | Day 1 PP-8 |
| 9. | Nishant Kumar Mishra and Pratibha Teotia Occurrence and Fate of Emerging Wastewater Contaminants in Delhi (India) Region | Day 1 PP-9 |
| 10. | Nitika Sharma, Surbhi and Rahul Badhwar Controllability and Observability in Indian River Network | Day 1 PP-10 |

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| 11. | Monika Sharma, Joginder Singh, and Ajay Kumar | Day 1 PP-11 |
| | A Comprehensive Review on Biochar Formation and Its Utilization for Wastewater Treatment. | |
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| 12. | Jeena Gupta | Day 1 PP-12 |
| | Applicability of Vermicompost in Wastewater management | |
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| 13. | Anish Kumar, Antra Andotra, Aiman Aziz, Perna Jain, Prabhjot Kaur, Zahid Ahmad | Day 1 PP-13 |
| | Wastewater Treatment via Phytoremediation | |
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| 14. | Risha, Rahul, Kritika Dhital, Rajdeep Bhattacharjee & Gaurav Kumar. | Day 1 PP-14 |
| | Isolation of Biosurfactant Producing Bacteria for Oil Cleaning from Water Bodies. | |
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| 15. | Harpreet Kaur, Deepika Bhatia, Ashish Vyas and Joginder Singh | Day 1 PP-15 |
| | Assessment of Mutagenicity by Disperse and Vat Dyes in <i>E. coli</i> WP2 | |
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| 16. | Prashant Mourya | Day 1 PP-16 |
| | Bioremediation - A Promising Approach | |
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| 17. | Nimanpreet Kaur, Mrinmoyee Maity, Gaurav Kumar | Day 1 PP-17 |
| | Cyanophages Mediated Control of Blue Green Algae in Aquariums | |
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| 18. | Sandeep Singh, Sonali Thakur, Harsimran Kaur, Deepansh Sharma | Day 1 PP-18 |
| | Production of Bio-Plastic from The Bio Waste Generated During Dye Degradation in Textile Industrial Effluent. | |
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