



INNOVATIVE STRATEGIES FOR SUSTAINABLE WATER MANAGEMENT 2017 - ISSWM 2017

Program Schedule for Day 2: November 18, 2017

Time:	Events:
08:00AM Onwards	Registration
09:00AM - 09:10AM	Welcome Note and Introductory Speech on Symposium
09:10AM - 10:00AM	Inaugural Lecture of Symposium by Dr. Andrea Pillman , Executive Editor - Springer Heidelberg, Germany
10:00AM - 10:20AM	Tea Break
10:20AM - 10:40AM	Keynote Lecture by Prof. Ranvir Singh , Environmental Hydrology & Soil Science, Institute of Natural Resources, Massey University, Palmerston North, New Zealand
10:40AM - 11:00AM	Keynote Lecture by Dr. Brijesh Dubey IIT Kharagpur, India
11:00AM - 01:00PM	Parallel Session: <ul style="list-style-type: none">• Oral presentations in 3 parallel sessions in block 28.
01:00PM - 01:30AM	Lunch
01:30PM - 01:50PM	Keynote Lecture by Dr. Jaswinder Singh , Department of Plant Science, McGill University, Canada
01:50PM - 02:10PM	Keynote Lecture by Dr Manohar Rao , Product Head, Material Characterization, PerkinElmer, India.
02:10PM - 02:30PM	Tea
02:30PM - 03:20PM	Poster Evaluation
03:20PM - 03:50PM	Open House Discussion of PhD students with Experts
03:50PM - 04:00PM	Technical Report Reading
04:00PM - 04:20PM	Valedictory & Prize Distribution; Vote of Thanks
04:20PM - 04:30PM	Group Photo session
04:30PM Onwards	High Tea

**Schedule of Scientific Program:****Oral Presentations****Day 2: November 18, 2017****Venue: Block 32, Room No. 208**

Sr.	Time	Presenter
1.	11:00 -11:10 AM	Sierra Young Field Application of Small, Low-Cost Robots for Remote Surface Data Collection.
2.	11:12- 11:22 AM	Shaista Manzoor and Rahul Singh Emerging Pollutants in Water Bodies as Multistressor.
3.	11:24- 11:34 AM	Sabmeet Singh, Priyadarshini Sorokhaibam , Ramandeep Kaur and Rahul Singh. Assessment of Bacterial Indicators and Physicochemical Parameters to Investigate Pollution Status of White Bein
4.	11:36- 11:46 AM	Amrita Salim, Sreetha H, Subina Kabeer, Bipin Nair, Ajith Madhavan & Sanjay Pal. Distribution, Potential Source and Health Risk Assessment of Uranium in Groundwater of SW-Punjab, India
5.	11:48- 11:58 AM	Chandni P, Vinitha KM, Vyshna Sajeer, Soumya Mohan, Bipin Nair, Ajith Madhavan, Sanjay Pal. Phytoremediation of wastewater using aquatic plants and bacteriophages against enteric pathogens
6.	12:00- 12:10 PM	Esther Vise, Samir Das, Ravi Kant Agarwal & Akshay Garg. Characterization of <i>Mycobacterium fortuitum</i> Isolated from Water Sources of Punjab Area
7.	12:12- 12:22 PM	Simranjeet Singh, Arun Chauhan, Rama Gaur, Shivika Datta, Jagriti Tripathi & Joginder Singh. Chemical and Microbial Analysis of Drinking Water Collected from TT Nagar, Bhopal
8.	12:24- 12:34 PM	Daljit Singh. Role of Irrigation Facilities in the Transformation of Land Types and Field Patterns in a Punjab Village.
9.	12:36- 12:46 PM	Shivika Datta, Gurpreet Kaur, Simranjeet Singh & Joginder Singh. Effect of Sutlej River Water on Physiochemical Parameters on Two Different Varieties of <i>Tritium aestivum</i> .
10.	12:48- 12:58 PM	Bishnu Kant Shukla, Dr. V. Rajesh Kumar & Dr. Arun Goel. A Comprehensive Review of Surface Jet Aerators

Schedule of Scientific Program:
Oral Presentations
Day 2: November 18, 2017
Venue: Block 28, Room No. 208

Sr.	Time	Presenter
1.	11:00 -11:10 AM	Kapil K. Sharma. The Challenges of Changing Paradigms of Pest Complex on Potato Seed Crops in Punjab.
2.	11:12- 11:22 AM	Bhupender Singh And Atul Kumar Upadhyay. Mathematical Model Generation for Prediction and Computational Analysis of Epitopes of Common Food and Aero-Allergens.
3.	11:24- 11:34 AM	Anu Bansal, Atul Kumar Upadhyay & Neeta Raj Sharma. <i>Origanum Vulgare</i> - A Potential Medicinal Herb.
4.	11:36- 11:46 AM	Shallu Warwal & Atul Kumar Upadhyay. Comparative Genomics of Different Strains of <i>Bacillus thuringiensis</i>
5.	11:48- 11:58 AM	Jagdev Singh & Anand Mohan. A Comparative Study of Contamination of Vegetables Irrigated by The Sewage and The Industrial Wastewater.
6.	12:00- 12:10 PM	Mukesh Kumar, Harmanjit Singh Dosanjh & Harminder Singh. Adsorption Behavior Study of Fluoride using Sodium Alginate Modified NiFe ₂ O ₄ Beads By Spectrophotometric SPADNS Method.
7.	12:12- 12:22 PM	Ravi Sharma & Ramesh Chandra Thakur. Molecular behaviour of Thiamine hydrochloride in water and binary aqueous mixtures of D-glucose and D-fructose at different temperatures
8.	12:24- 12:34 PM	Rajesh Haldhar, Akhil Saxena & Dwarika Prasad. Corrosion Inhibition Analysis And Adsorption Behaviour Of <i>Papaver Somniferum</i> For Mild Steel In 0.5m H ₂ SO ₄ Solution.
9.	12:36- 12:46 PM	Richa Arora & Sachin Kumar. Bioprocessing of Paddy Straw to Produce Bioethanol using Novel Thermotolerant Yeast.
10.	12:48- 12:58 PM	Poorva Sharma, Pratibha Vyas Development of Functional Fermented Whey and Oat Based Product using Probiotic Bacteria

**Schedule of Scientific Program:****Oral Presentations****Day 2: November 18, 2017****Venue: Block 28, Room No. 308**

Sr.	Time	Presenter
1.	11:00 -11:10 AM	Anupam Kumar, Ravi Kumar, Neeta Raj Sharma & Anand Mohan. An Evaluation Of Gram Negative, Multiple Drug Resistant Bacteria In Wastewater Treatment Plant at Jalandhar City, Punjab, India.
2.	11:12- 11:22 AM	Sana Shafi and Jeena Gupta Therapeutic Role Natural PPAR Agonists in Cancer
3.	11:24- 11:34 AM	Raj Mukhopadhyay & K. M. Manjaiah. Aquatic Arsenic Removal Potentials of Modified Clay Mineral Adsorbents.
4.	11:36- 11:46 AM	Chanchal Kaushik, I S Sandhu, Ak Srivastava & Mansi Chitkara. Measurement of Dose Area Product in The Pelvis and Lumbar Spine Radiographic Examinations.
5.	11:48- 11:58 AM	Puneet, Vikash Bhardwaj, Rattandeep Singh & Atul Kumar Upadhyay. <i>In Silico</i> Analysis of Haptoglobin Gene Polymorphism in Diabetes and Cardiovascular Disease.
6.	12:00- 12:10 PM	Ashvika Pathania & Joydeep Dutta. Menace Of <i>Heterodera</i> Spp. In India and Its Biocontrol.
7.	12:12- 12:22 PM	Pooja Bhadrecha, Manoj Kumar, Madhu Bala & Joginder Singh. Rhizobacteria of Wonder Plant <i>Hippophae Rhamnoides</i> L
8.	12:24- 12:34 PM	Bableen Flora & Anand Mohan. Nanoparticles in Water Purification: Zeolites A Promising Material with Green Synthesis.
9.	12:36- 12:46 PM	Yogender Shokeen, Neeta Raj Sharma, Satish Sanskaran, Sachin Minhas, Mayank Jauhri, Vibha Taneja & Shyam Aggarwal. Analysis of Transforming Growth Factor β -Smad Signalling in Chronic Myeloid Leukemia.
10.	12:48- 12:58 PM	Rachna Khosla Role of Holistic Nutrition in Esophageal Cancer

Schedule of Scientific Program:
Poster Presentations
Day 2: November 18, 2017
Venue: SDM Auditorium
List of Participants:

1.	Daljit Singh Sustainability of Wetlands in Punjab	Day 2 PP-1
2.	Karnwal A., Bhardwaj V., Bala R. Effect of Microbial Surfactants on Heavy Metal Polluted Wastewater	Day 2 PP-2
3.	Pradeesh Babu, Poornendhu S J, Ajith M, Bipin Nair, Sanjay Pal Resazurin Based Redox Dye as an Indicator for Monitoring Wastewater Biological Activity	Day 2 PP-3
4.	Sreejith M, Akhila P. Reghu, Anandakrishnan K, Gopika P.J, Gregorious Kuriakose, Reshma M.J, Vishnu K, Ajith Madhavan, Sanjay Pal, Bipin G Nair. Screening Potential Antimicrobial Compounds by Resazurin Dye Based Viability Assay	Day 2 PP-4
5.	Vidhya Prakash, Sreetha H, Poornima K H, Lakshmimol K N, Regma R, Hena Fathima, Vishnu T V, Sruthi Venu, Bipin G. Nair, Sanjay Pal Antagonistic Effects of Bacteriocins from <i>Lactobacillus Spp.</i> against Enteric Pathogens	Day 2 PP-5
6.	Suja Subhash, Anu B Kuruvelil, Aswathi PV, Deepasree K, Navyamol CD, Nimisha Das PV, Parvathi Prasad, Sanjay Pal, Bipin Nair Screening of Nematicidal Activities of Biocontrol Fungi <i>Aspergillus Niger</i> and <i>Penicillium Oxalicum</i> using <i>C. Elegans</i> as Model	Day 2 PP-6
7.	Drisy Tharuvana, Asha Sundaresh, Sreelakshmi V J, Arya Das, Bipin Nair, Ajith Madhavan, Sanjay Pal Sand and Charcoal as Matrices for Immobilization of Phages for Wastewater Treatment	Day 2 PP-7
8.	Archana PV, Reshma RN, Bipin Nair, Ajith Madhavan, Sanjay Pal Activity of Probiotic Strains Against Enteric Pathogens	Day 2 PP-8
9.	Abbu Zaid, Hamid Iqbal Tak, Firoz Mohammad, Shabir H Wani Effect of Community Waste Water on Growth and Photosynthetic Attributes of Chickpea Plants Exposed to Cadmium Stress	Day 2 PP-9



10.	Tanvir Kaur, Ashish Vyas, Gaurav Kumar Nanoparticle Based Formulation for Controlling Legionella Biofilms	Day 2 PP-10
11.	Parvinder Kaur, Simranjeet Singh, Ashish Vyas and Joginder Singh. Microbial Diversity of Arbuscular Mycorrhiza Present in Industrially Polluted Soil.	Day 2 PP-11
12.	Megha Prasad, Amrutha V., Anjana R., Lakshmija A., Bipin Nair, Ajith Madhavan, Sanjay Pal Effect of Compost Derived Lytic Agents Against Enteric Pathogens in Wastewater	Day 2 PP-12
13.	Abdulhadi Y., Salisu A., Nimisha Tehri Biosensors – The Rapid Approach for On-Site Detection of Mycotoxins	Day 2 PP-13
14.	Nikunaj Bhardwaj, Prachi Shukla and Divya Sing Water Quality Analysis Of River Hindonin Shimlana, A Specific Region of Saharanpur (UP) India	Day 2 PP-14
15.	Nikunaj Bhardwaj, Aman Singh Yadav and D.K. Chauhan Effect of Heavy Metals in Drinking Water Samples of Shimlana, A Specific Area of Saharanpur (UP), India	Day 2 PP-15
16.	Nikunaj Bhardwaj, Divya Singh and D.K. Chauhan Environmental Pollution of Paper Mill with respect to Human Health Problems	Day 2 PP-16
17.	Nikunaj Bhardwaj, Neha and Divya Singh Analysis of Physical and Chemical Characteristics of Paper Industry Effluents in a Specific Area of Uttar Pradesh (India)	Day 2 PP-17
18.	Nikunaj Bhardwaj and Suman Physicochemical Assessment of Pollutants Release from Paper Mill	Day 2 PP-18
19.	Nitish Arora and Sanjeev Kumar Dye Removal Property from Textile Effluents: Potential Microbes Screening and Characterization	Day 2 PP-19
20.	Arun Chauhan, Simranjeet Singh and Rama Gaur Treatment of Industrial Effluents from Textile Industries using Nanoparticles	Day 2 PP-20



21.	Simranjeet Singh, Arun Chauhan, Joginder Singh and Rama Gaur Finding Nanosolutions to the Problem of Water Pollution	Day 2 PP-21
22.	Gupta G. P., Pandey B. D., Karnwal A. Serological Study of Dengue Viruses in Four Different Hospitals of Nepal	Day 2 PP-22
23.	Narinderjit Kaur, Anand Mohan Heavy Metal Contamination, Their Sources and Effective Management by Phytoremediation- A Green Technology	Day 2 PP-23
24.	Deepika Bhatia, Neeta Raj Sharma, Joginder Singh and Rameshwar S. Kanwar Bio-Decolorization of Disperse Dyes by Using Naturally Bacteria	Day 2 PP-24
25.	Sujata Das, Shalini Singh Application of IoT (Internet Of Things) in the Field of Microbiology and Biotechnology	Day 2 PP-25
26.	Sumaya Farooq and Amit Sehgal Antioxidant Activity of Different Forms of Green Tea: Loose Leaf, Bagged and Matcha	Day 2 PP-26
27.	Deepika Bhatia, Neeta Raj Sharma, Joginder Singh Panwar, Rameshwar. S. Kanwar Continuous Column Studies for The Removal of Disperse Red 167 Dye by Using Low Cost Adsorbent	Day 2 PP-27
28.	Kamaldeep Kaur and Ashish Vyas Water Borne Fungal Pathogens and Their Integrated Management in Punjab	Day 2 PP-28
29.	Ranjana Himalian , Mahendra P Singh Methionine Sulfoxide Reductase A Gene Knockout (Msra KO) Exacerbates Acute Liver Injury Induced by Acetaminophen in Mice	Day 2 PP-29
30.	Aishwarya Laxmi CCDC6 As A Therapeutic Target for Cancer	Day 2 PP-30
31.	Shahnawaz, Devendra Kumar Pandey Genetic Diversity in Stevia Rebaudiana using AFLP Method	Day 2 PP-31

32.	Sandeep Kaur, Anupam Tiwari and Leena Parihar Effects of Microwave Radiations on The Secondary Metabolites of Fenugreek	Day 2 PP-32
33.	Mr. Sandeep kumar, Dr. Yashwant Kumar, Dr. Gaurav Kumar and Dr. Ajay Kumar Tahlan Antimicrobial Resistance Among <i>Salmonellae</i> .	Day 2 PP-33
34.	Gulshan Kumar, Yashwant Kumar, Gaurav Kumar, Ajay Tahlan Detection of Biofilm Producing MDR Intestinal and Extra-Intestinal <i>Escherichia Coli</i>	Day 2 PP-34
35.	Daljeet Singh Dhanjal, Deepika Bhatia, Neeta Raj Sharma, Joginder Singh and Rameshwar S. Kanwar Pre-Treatment of The Municipal Wastewater with Chemical Coagulants	Day 2 PP-35
36.	Atul Kumar Upadhyay and Himanshu Singh Genome-Wide Study of Genes and Proteins Associated with Water Use Efficiency in Rice	Day 2 PP-36
37.	Vikas Kaushik, Arpit Srivastva and Joginder Singh A Comparative Genomics Analysis Between Different Strains of ZIKV	Day 2 PP-37
38.	Ankur Bhardwaj, Gajendra B. Singh Understanding The Diversified Microbial Operon Framework Coupled to Arsenic Transformation and Expulsion	Day 2 PP-38
39.	Saroj Kumar Amar and Ratan Singh Ray Sunscreen Promotes DNA Damage at Environmental UV- Radiation	Day 2 PP-39
40.	Shweta Kaushik, T.G. Thomas and Neeta Raj Sharma Mosquito Larvicidal Properties Of Indigenous Plants: A Review	Day 2 PP-40
41.	Charu Khanna, Shalini Singh & Manish Vyas. A Review on The Applications of Nature's Antimicrobial Boon-Bacteriocin.	Day 2 PP-41