

Joint Conference

Proceedings of

International Conference on

ENVIRONMENTAL MICROBIOLOGY & MICROBIAL ECOLOGY

&

International Conference on

ECOLOGY AND ECOSYSTEMS

September 18-20, 2017 Toronto, Canada



Exhibitor



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Conference Hall

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09:00-09:30

Opening Ceremony

Keynote Forum

- Introduction**
- 09:30-10:10 **Title: Cautionary tales from the microbiome: Finding what is real and reproducible**
 Gregory B Gloor, University of Western Ontario, Canada
- 10:10-10:50 **Title: A road map to finding microbiomes that most contribute to plant and soil health**
 George Lazarovits, A&L Biologicals, Canada

Panel Discussion

Networking & Refreshment Break 10:50-11:10

- 11:10-11:50 **Title: Tick-borne diseases: Challenge in diagnostics and therapies of chronic multiple infections**
 Armin Schwarzbach, ArminLabs, Germany

Panel Discussion & Group Photo

Workshop

- 11:50-12:20 **Title: Analyzing 'omics data using compositional data analysis**
 Gregory B Gloor, University of Western Ontario, Canada

Sessions:

Microbial Ecology | Soil Microbiology | Microbial Genetics | Plant- Microbe Interaction

Session Chair: Lars Mogren, Swedish University of Agricultural Sciences, Sweden

Session Co-chair: Shimaila Ali, A&L Biologicals, Canada

- 12:20-12:50 **Title: Identification of the relationship between chemical and biological factors impacting corn productivity**
 Saveetha Kandasamy, A&L Biologicals, Canada
- 12:50-13:20 **Title: Functional interaction of plant and its microbiome: What are these bacteria doing?**
 Shimaila Ali, A&L Biologicals, Canada

Panel Discussion

Lunch Break 13:20-14:00

- 14:00-14:30 **Title: Microbial biodiversity in Brazilian semiarid**
 Fernanda Matias, Rural Semiarid Federal University, Brazil
- 14:30-15:00 **Title: Safe salad—Is it possible to produce safe baby leaves?**
 Lars Mogren, Swedish University of Agricultural Sciences, Sweden

Sessions:

Environmental Microbiology | Agroecology | Microbial Symbiosis

Session Chair: Lars Mogren, Swedish University of Agricultural Sciences, Sweden

Session Co-chair: Shimaila Ali, A&L Biologicals, Canada

- 15:00-15:30 **Title: Secondary metabolites with pesticide activity from plant pathogenic**
 Kumudini M Meepagala, USDA-ARS, USA
- Title: Diel cycle of the tropical air microbiome**
- 15:30-16:00 **Elena S Gusareva**, Singapore Centre for Environmental Life Sciences Engineering (SCELSE), Singapore

Panel Discussion

Networking & Refreshment Break 16:00-16:20

- 16:20-16:50** Title: *In vitro* co-culture of commensal *Escherichia coli* strains enhances Stx2a production by the German *E. coli* O104:H4 outbreak strain
Yongxiang Zhang, National Microbiology Laboratory at Lethbridge, Canada
- 16:50-17:20** Title: Prospect of biofuel in Bangladesh: Bioethanol and biodiesel production at local condition
Mohidus Samad Khan, Bangladesh University of Engineering and Technology, Bangladesh
- 17:20-17:50** Title: Cattle Jaguar (*Panthera onca*) attack distribution in Miranda, Pantanal
Julio Souza, Federal University of Paraná, Brazil

Panel Discussion

Day 2 September 19, 2017

Conference Hall

Keynote Forum

- 09:30-10:10** Title: Biotreatment of textile wastewater with continuous biofilter solutions and the associated microflora
Jorgen Forss, Linnaeus University, Sweden
- 10:10-10:50** Title : The ecology of tree intercropping systems in southern Ontario, Canada
Andrew M Gordon, University of Guelph, Canada

Panel Discussion

Networking & Refreshment Break 10:50-11:10

Special Session

- 11:10-11:40** Title: Reference-free shotgun metagenomics for the microbial ecologist
Nikolaj Sørensen, Clinical-Microbiomics, Denmark

Sessions:

Biodiversity | Ecology | Ecosystems | Antimicrobials | Forest Microbiology | Microbial Biofilms

Session Chair: Carole Ayoub Moubareck, Zayed University, United Arab Emirates

Session Co-chair: Bibiana Coppotelli, Centro de Investigación y Desarrollo en Fermentaciones Industriales, Argentina

- 11:40-12:10** Title: Exploring the gut microbiota of Lebanese preterm infants with or without necrotizing enterocolitis
Carole Ayoub Moubareck, Zayed University, United Arab Emirates
- 12:10-12:40** Title: Effects of bacterial inoculants on soil microbiomes and biodegradation in hydrocarbon contaminated soils
Bibiana Coppotelli, Centro de Investigación y Desarrollo en Fermentaciones Industriales, Argentina
- 12:40-13:10** Title: Pantanal bird species and their distribution in the Americas
Julio Souza, Federal University of Paraná, Brazil

Panel Discussion

Lunch Break 13:10-14:00

- 14:00-14:30** Title: In-situ regeneration of carbon based injectants with endemic biofilms
Dennis Owens, Sustainable Water Technology, Canada
- 14:30-15:00** Title: Is offsetting a feasible way to mitigate impacts of coastal reclamation on biodiversity? A case study from China
Shuling Yu, Normal University, China
- 15:00-15:30** Title: Effect of varietal feeding on larval duration and cocoon parameters of six strains of eri silkworm *Samia ricini* Donovan in Nagaland, India
LN Kakati, Nagaland University, India
- 15:30-16:00** Title: Shifting paradigms in coastal restoration: Six decades' lessons from China
Ze Zheng Liu, Normal University, China

Panel Discussion

Networking & Refreshment Break 16:00-16:20

- 16:20-16:50 **Title: Insight into the diversity of soil fungi in Changbai mountain by high-throughput sequencing**
Guozhong Lyu, Dalian Nationalities University, China
- 16:50-17:20 **Title: Large variations of salinity and dissolved oxygen and their effects on macrobenthic communities in Lake Sihwa, the west coast of Korea**
Bon Joo koo, Korea Institute of Ocean Science & Technology, South Korea
- 17:20-17:50 **Title: Hexavalent chromium induces testicular dysfunction in small Indian mongoose (*Herpestes javanicus*) inhabiting tanneries areas of Kasur District, Pakistan**
Shaista Andleeb, Shah-Arid Agriculture University, Pakistan
- 17:50-18:20 **Title: Diversity dynamics of cotton infecting *Begomovirus*, a serious threat emerged due to assorted Agro-climate of Pakistan**
Muhammad Javed Iqbal, University of the Punjab, Pakistan

Poster Sessions @ 15:30-16:30

Poster Judge: Jorgen Forss, Linnaeus University, Sweden

- P 01 **Title: Efficiency of using seaweed extracts under varying levels of N-P-K on growth, yield and quality of sweet potato (*Ipomoea batatas* L.)**
Amira Abd El Hamid Helaly Ali, Alexandria University, Egypt
- P 02 **Title: The adaptation of the bacterial plant pathogen *Pseudomonas syringae* onto a novel host through experimental evolution**
Andrew Jamnik, University of Toronto, Canada
- P 03 **Title: Antagonism of *Pseudomonas* sp. EMM-1 and its potential as biocontrol agent**
Catherine Cesa-Luna, Benemerita Universidad Autonoma de Puebla, Mexico
- P 04 **Title: Inhibition activity of probiotics supernatants against the cariogenic *Streptococcus mutans***
María del Pilar Angarita Díaz, Universidad Cooperativa de Colombia, Colombia
- P 05 **Title: Facultative anaerobic bacteria and their relationship to the characteristics of gutta-percha cones**
María del Pilar Angarita Díaz, Universidad Cooperativa de Colombia, Colombia
- P 06 **Title: Cultural ecosystem services of different landscapes in Ugam Chotqol National Nature Park**
Madina Bekchanova, Wageningen University (WUR), Netherlands
- P 07 **Title: Effect of different weed management practices on growth and yield of brinjal**
Summet Singh, Punjab Agricultural University, India
- P 08 **Title: Effect of biofertilizers on nutrient uptake and quality attributes in onion**
Dilpreet Talwar, Punjab Agricultural University, India
- P 09 **Title: Effect of biofertilizers on microbial count in soil, growth and yield attributes of rainy season tomato**
Barinderpal Singh, Punjab Agricultural University, India
- P 10 **Title: Micro-irrigation: Technology for efficient use of water In vegetable cultivation - A review**
Kamalpreet Kaur, Punjab Agricultural University, India
- P 11 **Title: Local uses and management of spices, condiments and non-edible oil crops**
Zufan Nigusu, Addis Ababa University, UAE
- P 12 **Title: Soil salinization and water quality degradation in Bukhara region, Uzbekistan**
Mirkhon Asadov, NGO Ecoinvest, Uzbekistan
- P13 **Title: Antifungal activity of essential oil from *Artemisia campestris* L on fungal species development**
Khaldi A, University of Bechar, Algeria
- P 14 **Title: Antimicrobial activity of *Oliveria decumbens* Vent. extract against isolated microbes from the environment**
Batoool Sadeghi-Nejad, Abadan School of Medical Sciences, Iran
- P 15 **Title: Antimicrobial activity of *Zataria multiflora* extract on *Candida* species isolated from environment**
Nasrin Amir Rajab, Jundishapur University of Medical Sciences, Iran
- P 16 **Title: Population structure and genetic diversity of an endangered and endemic Moroccan tree (*Argania spinosa* L. Skeels) based on AFLP and IRAP markers**
Ouafae Pakhrou, Mohammed V University, Morocco

P 17 **Title: Development of a core collection for Argan tree in Morocco by heuristic search based on SSR markers**

Chaimaa Yatrib, Mohammed V University, Morocco

Panel Discussion

Day 3 September 20, 2017

Conference Hall

Young Researchers Forum

10:00-10:20 Title: Immobilization of murine noroviruses in a cultivated phaeozem soil and its reversibility

Vincent Tesson, INRA, France

10:20-10:40 Title: *Bacillus megaterium*: A potential swimmer and an efficient bio-degrader of an organophosphorus pesticide

Shweta Nistala, Pt. Ravishankar Shukla University, India

Panel Discussion

Networking & Refreshment Break 10:40-11:00

11:00-11:20 Title: You are what you eat: Get mature faster by foraging on your parents, the discus fish example

Francois-Etienne Sylvain, Laval University, Canada

11:20-11:40 Title: Biodiversity monitoring in Sno valley (Georgia, Caucasus)

Eter Abulidze, Ilia State University, Georgia

11:40-12:00 Title: Monoclonal and polyclonal antibodies directed toward *Tsukamurella pulmonis* polysaccharide

Adnan Saeed, Ludwik Hirszfeld Institute of Immunology and Experimental Therapy, Poland

Panel Discussion

Closing and Award ceremony

Lunch Break 12:30-13:15

