Joint Conference

Proceedings of

International Conference on

ENVIRONMENTAL MICROBIOLOGY & MICROBIAL ECOLOGY

&

International Conference on

ECOLOGY AND ECOSYSTEMS

September 18-20, 2017 Toronto, Canada

Moderator

Thank You for supporting Ecology Ecosystems 2017

Francois-Etienne Sylvain
Laval University, Canada

Exhibitor

arminlabs
DIAGNOSING TICK-BORNE DISEASES

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Day 1 September 18, 2017

08:30-09:00 Registrations

Conference Hall

conferenceseries.com 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

15:30-16:00 **Title: Diel cycle of the tropical air microbiome**
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, Argentia

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, Argentia
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** **Zezheng 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** **Batool 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