



ecOTOXicomicYR
Second international webinar of
young microbial ecotoxicology researchers **2023**

Program

13th November, 20th November, and 27th November 2023
Monday afternoon (Paris time zone)

13h00 – 13h15

Opening of EcotoxicomicYR 2023
Caroline de Clerck & Nicolas Gallois

13h15 – 14h00

Keynote Speaker: **Chiho Suzuki-Minakuchi**
Plasmid-chromosome cross-talks to maximize the plasmid-borne catabolic capacity for degradation of aromatic hydrocarbons

Environmental Remediation and Monitoring – Part 1

Chairmen: Caroline de Clerck & Nicolas Gallois

14h00 – 14h45

- **Marta E. Pérez-Villanueva** - Effect of Pesticides on Soil Microbial Food-Web.
- **Roxane Dhommée** - Preventive bioaugmentation of agricultural soils: a concept for a more "sustainable" use of pesticides by reducing environmental contamination.
- **Abel Barré** - Marine biofilms as biological indicators of the seawater chemical quality of Mediterranean French coasts.

14h45 – 15h30

Flash presentations

Maria Kolovou - Pham Mai-Lan - Eleftheria Bachtsevani - Ingrid Rijk



Environmental Remediation and Monitoring – Part 2

Chairmen: Caroline de Clerck & Nicolas Gallois

15h30 – 16h15

- **Lluís Bertrams-Tubau** - A nature-based bioreactor to reduce antibiotic resistance and nitrogen release from urban wastewater treatment plant: a metagenomics approach.
- **Selina Granderath-Miegel** - Microbial ecotoxicology of conventional and biodegradable polymers in soil.
- **Sylvia Thieffry** - Coalescence of microbial communities showing pesticides degradation potential : new tools for bioremediation.

18h00 – all night long

Social event - Gartic Phone



13h30 – 13h35

Introduction of the day
Giulia Cheloni & Lauris Evariste

13h35 – 14h20

Keynote Speaker: **Júlia Rosa de Rezendel**
Long-term biocide efficacy and its effect on a souring microbial community

Microbial Responses to chemical stresses – Part 1

Chairmen: Giulia Cheloni & Lauris Evariste

14h20 – 15h05

- **Carmen Lazaro Sanchez** - Dichloromethane biodegradation in groundwater is mainly impacted by changes in oxygen tension caused by water table fluctuations.
- **Laura J. Müller** - Resistance and resilience of soil ammonia and nitrite oxidizing microorganisms to multiple stressors – effects of pesticides and drought exposure.
- **Sarah Gourgues** - Cobalt effect on prokaryotes communities within freshwater biofilms: Impact over the colonization kinetics, diversity and functional potential.

15h05 – 16h00

Flash presentations

Xuesong Hu - Chami Khalil - Christos Papadopoulos - Caroline Roux - Sakineh Abbasi



16h00 – 16h30

Microbial Responses to chemical stresses – Part 2

Chairmen: Giulia Cheloni & Lauris Evariste

- **Anjela L. Vogel** - Genetic redundancy and substrate-independent transcription complicate nucleic acid-based PAH-degradation activity measurements in marine environments.
- **Joey Allen** - Increased temperature affects the response of aquatic microbial activities to agricultural pollutants.

18h00 – all night long

Social event - Gartic Phone



13h30 – 13h35

Introduction of the day
Clémence Thiour-Mauprivez & Nicolas Gallois

13h35 – 14h20

Keynote Speaker: **Natàlia Corcoll**
Ecotoxicological impacts of pesticides on freshwater algae and microbes: from genes to communities

Environmental Impact of (Emerging) Contaminants - Part 1

Chairmen: Clémence Thiour-Mauprivez & Nicolas Gallois

14h20 – 15h05

- **Amira Yakoubi** - The presence of *Erwinia* strain S9 prevents tetracycline-induced stress in pea plants via antibiogenesis.
- **Gopi Narayanan** - Influence of functionalised polystyrene nanoplastics on accumulation and toxic effects of tetracycline in freshwater microalgae (*Chlorella vulgaris*) in the presence of humic acid.
- **Yinqi Tang** - Responses of soil bacterial communities to additions of contrasting biochars in trace element polluted soil.

15h05 – 15h50

Flash presentations

Silue Foungayeh - Amélie Polrot - Zeina Bourhane



Environmental Impact of (Emerging) Contaminants - Part 2

Chairmen: Clémence Thiour-Mauprivez & Nicolas Gallois

15h50 – 16h35

- **Oriane Della-Negra** - Soil microbial response in terms of antibiotic resistance mechanisms when exposed to increasing concentrations of sulfamethoxazole.
- **Arthur Medina** - Variation of metabolome and photosynthetic yield sensitivity of a periphytic biofilm exposed to a model herbicide: from in situ natural fluctuation to in lab pressure response.
- **Camille Touchet** - Influence of plastics on freshwater microbial communities' tolerance to other environmental pollutants.

16h35 – 16h45

Presentation of EcotoxicoMic 2024 - Natàlia Corcoll

16h45 – 17h00

Award ceremony
Closure of the second international webinar of young microbial ecotoxicology researchers



18h00 – all night long

Social event - Gartic Phone