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Aalto University

School of Engineering

Department of Built Environment

Water and Environmental Engineering

Emerging Micropollutants Removal from Wastewater

*A Hands-on International Summer
School*

20 - 24 May, 2019



REMOVAL OF
PHARMACEUTICALS FROM
WASTEWATER

CONVENTIONAL AND
ADVANCED TREATMENT
TECHNOLOGIES

ANTIBIOTIC RESISTANCE
CRISIS

WASTEWATER-BASED
MICROPLASTICS

TOXICOLOGICAL STUDIES

The Summer School will cover the following topics

1. Wastewater Treatment Plants are the hot-spots for emerging micropollutants
2. Antibiotic Resistance crisis
3. Wastewater-based microplastics
4. Advanced oxidation processes as promising treatment for emerging micropollutants removal and inactivation of antibiotic resistant bacteria
5. Toxicological bioassays as a key tools for monitoring of water quality
6. LC-MS and GC-MS techniques for identification and quantification of emerging micropollutants

Target participants

PhD candidates and advanced MA Students with high interest to the school related topics

Credits

2.5 ECTS

Important dates

Application period will open on **15th of February, 2019**

Applications should be sent by **15th of March, 2019**

Course participants will be notified by **24th of March, 2019**



Applications

Applicants should submit the following documents as a single pdf file:

- Curriculum Vitae (max 3 pages)
- motivation letter (max 1 page)
- short abstract of a proposed thesis topic presentation (max 250 words)

Applicants are selected on the basis of their motivation and research topic relevance.

Applications should be sent to the following address: emwwschool@aalto.fi

Participation expenses

There is **NO** registration fee for the Summer School.

Coffee with small snacks will be offered by the organizers as well as welcome and farewell dinners. Participants are responsible for their travel and accommodation costs, including health insurance and main daily meals.

The organizers will provide suggestions for convenient student accommodations.

More information

<https://www.aalto.fi/department-of-built-environment/emerging-micropollutants-removal-from-wastewater>



Organizers

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