

9.20 Tue

2:00pm
~ 3:00pm

The 3th floor seminar room
Science Research Building1 Ehime Univ.

The 5th LaMer special seminar

Impact of pharmaceuticals on algal species

Trace amounts of activated pharmaceutical ingredients (APIs) have been reported in aquatic environments worldwide, and their toxicity to non-target organisms is of increasing concern.

Algae are primary producers in aquatic food chains, and as such are very sensitive to external disturbance.

The understanding of the adverse effects on the growth of algal species is vital to understand the risks of APIs in the aquatic environment.

This presentation will therefore focus on three aspects:

1. identification of study substances;
2. comparing the sensitivity of chlorophytes, cyanobacteria and diatoms to selected compounds; and
3. assessment of the risks of mixtures of three veterinary antibiotics in European surface waters.

Lecturer : Jiahua Guo

05/2016 to present:

Visiting Research Fellow in CMES, Ehime (working with Prof. Iwata Hisato)

10/2012 to 03/2016:

PhD in Environment Science, University of York, UK.

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