First Announcement

Research Centre for Toxic Compounds in the Environment (RECETOX), Masaryk University, together with the Secretariat of the Stockholm Convention and the Ministry of the Environment of the Czech Republic, and with the EU COST action CYANOCOST: Cyanobacterial blooms and toxins in water resources: Occurrence, impacts and management organize

11th Summer School on Toxic Compounds in the Environment 2015

Date: 15–20 June 2015
Venue: RECETOX, Kamenice 753/5 (building A29), Masaryk University, Brno, Czech Republic

General topic:
Toxic compounds in the environment
- their sources, levels, transformations and long-range transport;
- sampling and analytical techniques;
- toxic and ecotoxic effects on biota, biotests and biomonitoring;
- risk assessment, data analysis and modelling (including GIS).

Special topic of this year (co-organized with the EU COST action CYANOCOST):
Toxic cyanobacterial blooms in freshwaters
- causes and adverse impacts on human health and ecosystems;
- exposure and hazard assessment: analytical and toxicological approaches;
- management and remediation.

Programme structure:
- lectures, workshops;
- laboratory exercises;
- field trip;
- social events.

Invited speakers:
Martin Scheringer, Leuphana University of Lüneburg, Germany
Katarína Magulova, Secretariat of the Stockholm Convention
Jussi Meriluoto, Abo Academy University, Turku, Finland
Zorica Svircev, University of Novi Sad, Serbia
Bas Ibelings, University of Geneva, Switzerland

RECETOX lecturers:
Jana Klánová, Ivan Holoubek, Luděk Bláha, Jakub Hofman, Klára Hilscherová, Pavel Čupr, Kateřina Šebková and others

Registration web page:
https://is.muni.cz/obchod/fakulta/sci/?lang=en

For students:
Summer School will be credited
- 4 ECTS credits for theoretical part,
- 4 ECTS credits for practical exercises.

More information:
- RECETOX web pages:
- Full registration fee is CZK 15,500
  (€ 550) (covering lectures and practical exercises, background materials, field trip, accommodation with breakfasts, lunches)
- Early bird registration fee is CZK 14,000
  (€ 500)
- Participants cover their travel expenses and health insurance.

Important dates:
Registration will be open on 15 February 2015
Early bird registration: 15 April 2015
Registration deadline: 1 June 2015

For details contact Dr. Petra Ružičková
(ruzickova@recetox.muni.cz)
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Outline of the whole Summer School

**Group A (general group)**
open for registration

**Group B (special group)**
closed for registration where programme will be focused on data processing using the newly developed GMP data warehouse, this part will be organized in the co-operation with the Secretariat of the UN Stockholm Convention and Czech Ministry of Education, Youth and Sports

**Monday 15.6. – group A+B**

Introduction
Overview lectures on Environmental Chemistry, Ecotoxicology, Risk Assessment, Modelling

**Tuesday 16.6.**

Group A: Special focus: TOXIC BLOOMS
Lectures and "workshop" on toxic blooms
Group B: GMP
Lectures on Environmental Data – Available methods, Trends Analysis

**Wednesday 17.6.**

Group A: Special focus: TOXIC BLOOMS
Laboratory demonstrations and field trip to Brno reservoir
Group B: GMP
Lectures on Data standardization processes – from files to databases, Managing Environmental Data in Each Institution

**Thursday 18.6. - group A+B**

General topics of Environmental Chemistry and Ecotoxicology
Lectures and laboratory exercises - Environmental sampling, Chemical analyses, Ecotoxicological bioassays

**Friday 19.6. - group A+B**

Field trip to Košetice observatory, Czech Hydrometeorological Institute monitoring station

**Saturday 20.6. - group A+B**

Work at computers (environmental data processing, GIS, risk assessment)