Plant uptake of chemicals

and application in science and engineering

PhD-course and summer school, 17-21 August 2015, Technical University of Denmark

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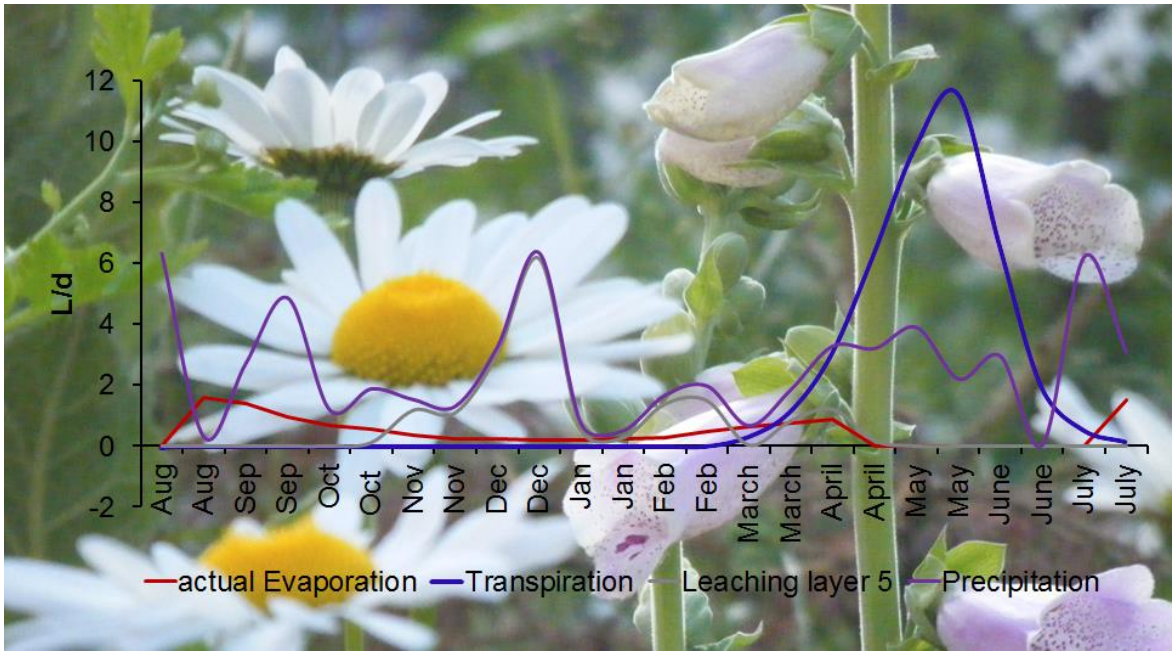
This course deals with the theoretical and practical aspects of chemical uptake into plants, focusing on mathematical modeling, data requirements, data collection and the application in different contexts. Practical examples will be presented from the fields of phytoremediation, phytomonitoring, risk assessment, comparative impact assessment, optimization of pesticide use and urban gardening. Simple and advanced models will be taught, and the source codes with documentation will be available for all course participants. Students will have hands-on exercises with all models. We will also stimulate the exchange of ideas between participants through short presentations of their work.

The course is given at the Technical University of Denmark DTU (course no. 12906) by local and international teachers and is credited with 5 ECTS points. It is open to advanced MSc students, all PhD students as well as scientists and engineers interested in the topic. To complete the course, students will be required to prepare their own model simulation and submit a short report. The course material will be electronically available in advance from the course homepage.

This course is free of charge for registered MSc and PhD students. The course fee for professionals is 1100 €. By providing interesting presentations from their related work, this fee can be reduced. Rooms will be available in the Campus Village. Lunch can be bought in the DTU canteen close by. The Baltic Sea beach is 3 km from Lyngby. DTU student info site: www.dtu.dk/english/Education/International-Student-Guide



Please contact Stefan Trapp sttr@env.dtu.dk for further information or to **sign-up**.

See you this summer in Denmark.