

Soil organisms as bioindicators: methods, applications, and current research priorities

Location: University of Neuchâtel, UniMail, Aula Louis-Guillaume (building F, 2nd floor)

updated 9.6.2010

Thursday, June 17		Speakers
8:30 AM	Registration	
8:55 AM	Soil protection in Switzerland: current situation and perspectives	Elena Havlicek, FOEN
9:35 AM	Soil organisms as bioindicators: current challenges	Edward Mitchell
9:45 AM	Soil biodiversity and methods for its assessment	Sina Adl
10:15 AM	Coffee break	
10:35 AM	Community profiling of bacteria	Franco Widmer
11:25 AM	Nematodes as biological indicators in soil	Bryan Griffiths
11:55 AM	Lunch break (cafeteria UniMail, at your own expenses)	
1:00 PM	Protozoa/Macroinvertebrates/Spiders as bioindicators in soils	Sina Adl
1:30 PM	Cryptic species diversity and potential implication for bioindication - 1. Protists	Enrique Lara / Thierry Heger / Edward Mitchell
2:00 PM	Student presentations:	
	Protozoa/Nematodes/Macroinvertebrates/Spiders as bioindicators in soils: 2 presentations	Hana Nabil / Bertrand Fournier
	Species identification and cryptic species	Anush Kosakyan + Fatma Gomaa
	Impact of agriculture on soil organisms	Cameron Wagg
3:00 PM	Coffee break	
3:20 PM	Impact of agriculture practices on soil organisms (from forest soils to tilled soils)	Sina Adl
3:50 PM	Discussion (6 students/speaker)	
4:35 PM	Discussion and concluding remarks	
4:50 PM	Apéro	
7:00 PM	Dinner (optional, dinner must be paid by participants). Restaurant Mei-Jing, place de la Gare 2, tel 032 725 1771	Reservation at registration desk in Thursday morning.

Friday June 18		Speakers
8:55 AM	Bioindicators for assessing organic chemical contamination in wetland systems	Gwenaël Imfeld
9:45 AM	Molecular approaches to nematode assemblage analysis	Bryan Griffiths
10:15 AM	Coffee break	
10:35 AM	Earthworm as bioindicators in soils	Sam James
11:05 AM	Student presentations (3 x 15'):	Students
	Response of soil organisms to climate gradients and climate changes: 2 presentations	Leyla Davis / Liddewij Keser
	Impact of agriculture on soil organisms	Dev Sarranganadane
11:50 AM	Lunch break (cafeteria UniMail, at your own expenses)	
12:50 PM	Measuring pollutant bioavailability using bacteria bioreporter assays	Jan van der Meer
1:40 PM	Student presentations (4 x 15'):	Students
	Bacteria as biosensors	Xavier Alexis Walter
	Impact of agriculture on soil organisms	Saskia Bindschedler + Daniel Bravo
	Response of soil organisms to soil pollution	Emily Clark
	Response of soil organisms to natural ecological gradients	René Amstutz + Sun Yan
2:40 PM	Coffee break	
3:00 PM	Soil microbial community shifts in response to a warmer and drier climate: implications for biogeochemical processes	Konstantin Gavazov
3:15 PM	Cryptic species diversity and potential implication for bioindication - 2. Invertebrates	Sam James
3:45 PM	Discussion (6 students/speaker)	
4:15 PM	Concluding remarks	Organisers

Trains from Basel: 7.03-8.35 / Bern: 7.54-8.27 / Genève: 7.14-8.22 / Lausanne: 7.45-8.25 / Zurich: 7.04-8.32

Trains to Basel: 17.27-18.53 / Bern: 17.01-17.52, 17.33-18.06 / Genève: 17.37-18.46 / Lausanne: 17.34-18.15 / Zurich: 17.24-18.56