



Sant'Anna

Scuola Universitaria Superiore Pisa

WORKSHOP

SOIL AND WATER BIOREMEDIATION

Scuola Superiore Sant'Anna | Pisa
Aula Magna
9-10 June 2016

9 June

- 8:30-9:00** Registration
- 9:00-9:20** Welcome address
- 9:20-10:00** **The root endodermis acts as a gateway for vascular transport**
David Salt, Institute of Biological and Environmental Sciences, University of Aberdeen
- 10:00-10:20** **Poplar physiology under heavy metals stress**
Luca Sebastiani, Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa
- 10:20-10:40** **Inorganics phytoextraction from contaminated soil: the case study of boron contamination**
Meri Barbafieri, Institute of Ecosystem Study - CNR, Pisa
- 10:40-11:00** **Physiological, biochemical and molecular mechanisms of plant adaptation to heavy metals: implications for the phytoremediation technology**
Massimo Zacchini, Agroenvironmental and Forest Biology – CNR, Monterotondo
- 11:00-11:30** Break
- 11:30-11:50** **Poplar and organic xenobiotics: uptake and metabolism**
Alessandra Francini, Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa
- 11:50-12:10** **Heavy metal bioremoval from waste waters by using exopolysaccharide-producing cyanobacteria**
Roberto De Philippis, Department of Agrifood Production and Environmental Sciences, Università di Firenze
- 12:10-12:30** Discussion - Moderator: Enrico Pè
- 12:30-13:00** **The experimental site of San Niccolò - Massaciuccoli**
Vittoria Giannini, Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa
- 13:00-14:30** Break
- 14:30-18:30** Visit at the Massaciuccoli experimental site

10 June

- 9:30-10:10** **New phytoremediation techniques and applications in Europe**
Fabio Masi - Iridra srl
- 10:10-10:30** **Phytoremediation technology for soil and sediment decontamination and recovery**
Grazia Masciandaro, Institute of Ecosystem Study-CNR, Pisa
- 10:30-10:50** **Cleaning-up the environment with Salicaceae: the Canadian experience**
Werther Guidi Nissim, Department of Agrifood Production and Environmental Sciences, Università di Firenze
- 10:50-11:10** **Soil buffer effects on secondary treated wastewater estimated through soil column experiments**
Alessio Barbagli, Institute of Life Sciences, Scuola Superiore Sant'Anna, Pisa
- 11:10-11:30** **Phytoremediation and paludiculture**
Nicola Silvestri Department of Agriculture, Food and Environment, Università di Pisa
- 11:30-12:00** Discussion - Moderator: Enrico Bonari

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