

Microorganisms at the service of environmental and human health

Place: Torino. Orto Botanico, Dipartimento di Scienze della vita e biologia dei sistemi
Università degli studi di Torino, Viale Mattioli 25, Aula Magna

Time: 9.30 – 12.00

Sector: Health, agrifood, industry

Audience: secondary schools, university, reaserch, biotech companies

For more information: marta.vallino@ipsp.cnr.it; silvia.perotto@unito.it

Microorganisms are generally considered as not desirable or detrimental agents. Actually, they may have a very important role in various environments and they can also be useful for mankind. Four seminars will introduce some examples of microorganisms that can be used in different fields, such as agriculture, industry, medicine, in order to improve environmental, plants and human health.

❖ 9.30 – 9.45

Marta Vallino (Istituto per la Protezione Sostenibile delle Piante – CNR)

Welcome and presentation of the program

❖ 9.45 – 10.00

Silvia Perotto (Dipartimento di Scienze della Vita e Biologia dei Sistemi e Piano Lauree Scientifiche-Università di Torino)

Biology e Biotechnology: counseling on university courses

❖ 10.00 – 10.30

Massimo Turina (Istituto per la Protezione Sostenibile delle Piante – CNR; Viroplant, Progetto Europeo Horizon 2020)

Useful viruses? Can viruses help us in plant diseases control?

❖ 10.30 – 11.00

Sergio Favero Longo (Dipartimento di Scienze della Vita e Biologia dei Sistemi e Centro Interdipartimentale Scansetti per lo Studio degli Amianti e di altri Particolati Nocivi - Università di Torino)

From mummies to asbestos: lichens use in past, present, future days.

❖ 11.00- 12.30

Emanuela Noris (Istituto per la Protezione Sostenibile delle Piante – CNR)

Plant viruses: small machinery for the production of molecules useful for human health.

❖ 11.30- 12.00

Cristina Varese (Dipartimento di Scienze della Vita e Biologia dei Sistemi e Mycotheca Universitatis Taurinensis - Università di Torino)

Fungi, MICRO-organisms for BIG success: from new drugs production to polluted environments remediation.

Organizer: Dipartimento di Scienze della vita e biologia dei sistemi (Università di Torino); Istituto per la protezione sostenibile delle piante – CNR

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Place: Torino. Orto Botanico, Dipartimento di Scienze della vita e biologia dei sistemi
Università degli studi di Torino, Viale Mattioli 25, Aula Magna

Time: 14.00 – 18.00

Sector: Health, agrifood, industry

Audience: secondary schools, university, reaserch, biotech companies, families

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Microorganisms are generally considered as not desirable or detrimental agents. Actually, they may have a very important role in various environments and they can also be useful for mankind. With posters, experiments, microscope observations, we will introduce some examples of microorganisms that can be used in different fields, such as agriculture, industry, medicine, in order to improve environmental, plants and human health. Posters will describe plant viruses, how they act and how they can be studied, will show methods on detection of genetically modified organisms, will describe soil fungal symbionts. There will be a “night garden”, a small dark room with fluorescent plant showing how viruses move in plants. Small experiments will be done on isolation, observation and identification of soil fungi. You will see plant colonized with fungi... also those producing truffles!
Schedule: 2 p.m. – 6 p.m.

Organizer: Dipartimento di Scienze della vita e biologia dei sistemi (Università di Torino); Istituto per la protezione sostenibile delle piante – CNR