

ONLINE TRAINING COURSE:

METHODS OF MICROORGANISM DETECTION IN SOIL, WATER AND FOOD

DATE: 9 -10, 16 - 17 OCTOBER 2020

FREE
TRAINING COURSE



COURSE DESCRIPTION

How can microorganisms and the microbiome be utilised to increase plant resilience and sustainability throughout the food system? During this SIMBA training course, you will learn about the microbiome, and methods to detect and apply microorganisms in soil, water and food to support more sustainable agriculture and food production through the implementation of novel biofertilizers (microbial consortia), and more efficient delivery methods (biochar, amendments, nanomaterials). This training course is organised as part of the SIMBA project, an EU Horizon 2020-funded project, which explores and utilises land and sea microbiomes to develop numerous innovative solutions to detect microorganisms in soil, water and food. SIMBA aims to provide a holistic approach to the development of microbial solutions for food and nutrition security. The training course will be led by experts from the SIMBA project. In addition to this, international external experts will also provide lectures.

COURSE CONTENT

This course aims to encourage scientists, technologists and practitioners to consider SIMBA project concepts for the development of a more sustainable agriculture and food production through the implementation of novel biofertilizers (microbial consortia) and more efficient delivery methods (biochar, amendments, nanomaterials). All lectures will be conducted online using the University of Parma's videoconferencing platform. The training course will cover four modules:

- **Module 1:** The natural and anthropized worlds of microorganisms
- **Module 2:** Isolation, cultivation and monitoring
- **Module 3:** Into the microbial X-omics
- **Module 4:** Applicability, costs, risk and benefits

For more information on the course content please visit: simbaproject.eu/training-courses/methods-of-microorganism-detection

TARGET AUDIENCE

This course is designed for scientists, technologists, practitioners and industry-related staff working in the European food sector, and in the fields of biology, microbiology, agriculture and food systems, aquaculture and biological food processing, at all levels. This includes postgraduate students, PhD students and postdoctoral researchers.

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COURSE ORGANISERS

University of Parma (UNIPR), SITEIA.PARMA

SCIENTIFIC COORDINATOR



Name:
Nelson Marmiroli
Position:
Professor Emeritus Environmental
Biotechnology
Organisation:
University of Parma, SITEIA.PARMA
Contact details:
nelson.marmiroli@unipr.it

SCHOOL SECRETARY



Name:
Elena Maestri
Position:
Full Professor
Organisation:
University of Parma, SITEIA.PARMA
Contact details:
elena.maestri@unipr.it

COURSE TUTORS

Course tutors include SIMBA partners from ENEA (Italy), NIOZ (the Netherlands), UNIPR (Italy), NIVA (Norway), CCS Aosta (Italy), Luke (Finland) and invited external speakers:

- Prof Henry T. Nguyen, University of Missouri, USA
- Prof François Rineau, Hasselt University, Belgium
- Prof Jason White, Director of Connecticut Agricultural Experiment Station, Connecticut USA
- Invited speaker (tbc), European Food Safety Authority (EFSA), Parma Italy

For details on the SIMBA partner tutors, please [click here](#).

PRACTICAL INFORMATION

Location: Online course. Full details on how to access the course will be provided after acceptance to the course.

Format: This training course is composed of four modules which will involve lectures and discussions. Course material will be distributed to all accepted participants prior to course commencement.

Date & Time: Friday 9th – Saturday 10th October, Friday 16th – Saturday 17th October 2020. Friday modules run from 13:00 – 18:00 (CET). Saturday modules run from 09:00 – 13:00 (CET).

Language of instruction & material: English

Fees: Course registration and participation is **free**, thanks to European Union Horizon 2020 funding.

Maximum number of participants: 30. Selection will be based on suitability, and availability to attend ALL four modules.

Registration: Please email your **registration form** and **GDPR consent form** to elena.maestri@unipr.it and nelson.marmiroli@unipr.it. Please [click here](#) to download both documents. Please note that both forms must be completed in full. Please enter 'SIMBA/ Training Course 1 application' in the email subject line.

REGISTRATION DEADLINE: 21 SEPTEMBER 2020

For more information on the course and details on how to register, please visit
simbaproject.eu/training-courses/methods-of-microorganism-detection