

First Frederician Euro-Mediterranean days

An Intercultural Journey

October 17th 2025
Afternoon Session

Piazzale Tecchio - Naples
Aula Massimilla
Department of Engineering

Food and Health

Workshop President: **Giulia Guerriero**, Coordinator of MUNA on the Board of Coordinators

15:00 Workshop - From Soil and Water to Health: Interdisciplinary Insights into Food Quality, Environment, and Human Wellbeing

Session Chairs: **Domenico Pirozzi**, C.I.R.A.M., UniNa (I) and **Fagr Kh. Abdel-Gawad**, Environment and Climate Change Research Institute, NRC (EGY)

Greetings

Antonio Marzocchella, Director Dept. of Chemical, Materials and Industrial Production Engineering, DICMaPI, UniNa, **Gionata De Vico**, Director Dept. of Biology, UniNa, **Gilberto Sammartino**, MUNA General Coordinator, UniNa, **Giulia Guerriero**, Interdepartmental Research Center for the Environment, IRCEnv (C.I.R.A.M.) Director, UniNa, **Abdelraouf A. Moustafa**, International Union for Conservation of Nature, IUCN (EGY), **Maria Vittoria Cubellis**, Italian Mission at UNESCO.

Session 1 - Environment and Natural Matrices

15:20 - The fate of drugs in environmental matrices

Anna De Marco & Armando Zarrelli - Dept. of Pharmacy & Dept. of Chemistry, UniNa

15:35 - The role of geophysics in modern food production

Ahmed Abbas A. Mahmoud - Dept. of Earth, Environment and Resource Sciences, UniNa

Session 2 - Soil, Food and Health

16:00 - From soil quality to food quality: what impact on human health?

Maria Rao - Dept. of Agricultural Sciences, UniNa

16:15 - Metagenomics and the microbiome: linking environment, food, and human health

Eduardo Pasolli - Dept. of Agricultural Sciences, UniNa

Session 3 - Animal Resources, Climate and Nutrition

16:40 - Nutritional quality of cow's milk from local and imported breeds in the Eastern Algerian agglomeration

Fadila Khaldi - Dept. of Biological Sciences, FNLS, MUNA Delegate of Mohamed Cherif Messaadia Univ. (DZ)

16:55 - Fish, Climate, and Food Safety: Decoding the biological warnings

Fagr Kh. Abdel-Gawad - MUNA Coord. of NRC (EGY)

Session 4 - Mediterranean Diet and Wellbeing

17:20 - Mediterranean diet and metabolic flexibility

Giovanna Trinchese - Dept. of Biology, UniNa

17:35 - Functional foods: a key to better health and wellbeing

Paola Vitaglione - Dept. of Agricultural Sciences, UniNa