

Master's Degree LM-07

PLANT BIOTECHNOLOGY FOR FOOD AND GLOBAL HEALTH



UNIVERSITÀ
DEGLI STUDI DELLA
TUSCIA

DIPARTIMENTO DI SCIENZE AGRARIE
E FORESTALI

PLANT BIOTECHNOLOGY FOR FOOD AND GLOBAL HEALTH

Master's Degree

The Master's Degree in **Plant biotechnology for food and global health** aims at training graduates with indepth knowledge of the scientific aspects related to biotechnology intended at the development and improvement of organisms of agricultural interest, the control of the quality and healthiness of raw materials and agri-food products as well as their improvement and enhancement of nutritional and health value also through the study of natural organic substances contained in food products and agro-industrial waste, as well as their use as food ingredients and in nutraceutical and pharmaceutical preparations.

Today's global economic context asks the agri-food sector not only to meet the growing demand and safety of food and biomolecules, but also to produce them with **environmentally sustainable systems** and with a high-quality standard in nutritional and health terms, respecting the principles of safety and traceability, starting from renewable resources, and favoring biotechnological processes. Human and environment health and well-being are therefore among the central themes of the training process.

The articulation of the course includes a peculiar highly specialized training, which favors graduates in acquiring the knowledge and skills of different biological and agri-food systems to understand, design and develop solutions in a rational, innovative and sustainable way. Optional and choice exams/activities are intended to support student inclinations and interests. A high number of credits is dedicated to the experimental thesis aimed to introduce students in a full immersion research experience.

INFO AND CONTACTS



LM-07
Agricultural
biotechnologies

Years: 2
ECTS: 120

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