



Direzione Ricerca,
Innovazione e
Internazionalizzazione

**UNIVERSITÀ
DI TORINO**

ID

VP_165_STF

Visiting Professor Program Academic Year 2025/2026

TEACHING COMMITMENT: 16 hours

COURSE TITLE

Advances in Food Metabolomics

TEACHING PERIOD

II semester

SCIENTIFIC AREA

Food Chemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

Provide students with principles and fundamentals of Food-omics - strategies and platforms. Food omics analytical platforms for in-depth characterization of food (LC-HRMS and GC-HRMS). Sensometabolomics and Nutrimetabolomics principles and strategies. Chemometrics through case studies.

LEARNING OBJECTIVES

The objective of the course is acquiring specific knowledge on the following topics:

- understand the interconnection between chemistry and biology behind food properties;
- acquire the correct language and basic skills related to food metabolomic investigation approaches and techniques;
- understand the role of advanced analytical chemistry in the context of food quality and nutritional assessment.

OTHER ACTIVITIES BESIDE THE COURSE

VISITING PROFESSOR PROFILE

The Visiting Professor should have a strong background in analytical chemistry and active research experience in food metabolomics. Teaching experience in Third Level Academic training would be positively considered as well as active teaching to Master Degree Levels in Analytical Chemistry, Food Chemistry, Advanced Sample Preparation, Food metabolomics

CONTACT REFERENT

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