



Corso di Laurea Magistrale in Chimica e Tecnologia Farmaceutiche

Corso di Chimica degli Alimenti [STF0007]

Food Safety and Security - 2 CFU 16 hours

Visiting Professor Program

Academic Year 2020-2021 –First Semester

Web Moodle: <https://elearning.unito.it/dstf/enrol/index.php?id=48>



Visiting Professor

Prof.ssa Giorgia Purcaro

contact: gpurcaro@uliege.be

Giorgia Purcaro is an Analytical Chemistry professor at Gembloux Agro-Bio Tech, University of Liège (Belgium) -

https://www.gembloux.uliege.be/cms/c_4897281/en/portrait-giorgia-purcaro.

She is specialized in advanced analytical techniques in separation science, in particular hyphenated multidimensional techniques such as LC-GC and GC×GC. Her main areas of research application are related to food quality and safety. She has extensive experience in the optimization of novel and hyphenated analytical techniques for contaminants analysis in food, with a particular focus on mineral oil and polycyclic aromatic hydrocarbons.

Course Summary:

The course will present the pillars of food safety within the EU framework and at the international level. Legislation in EU will be described and the role of analytical chemistry highlighted in view of the official control laboratories activities. ISO 17025 standard will be illustrated and discussed to introduce general rules for quality in the analytical measurements. Food security will be also introduced together with its general pillars.

Learning objectives:

Understand food safety actions and network within the EU and International framework.

Understand the interconnection between analytical controls and general activities directed to reinforce food safety and its policies in partner countries. Understand the principles for standardization (ISO 17025) and its application to routine activities within food contamination analysis.

Course Schedule:

Webex live streaming

1) Introduction and Course presentation - October the 8th 2020, 11-13:

<https://unito.webex.com/unito/j.php?MTID=m3a113a44f85b65acae488035efe56767>

2) First Recap, Questions & Answers - November the 25th 2020, 9-11:

<https://unito.webex.com/unito/j.php?MTID=m44a61400fd8848499295dae0c8dd20fa>

3) Conclusions, examination and evaluation modalities - Erasmus possibilities for tranship and thesis - January the 12nd 2020, 9-11:

<https://unito.webex.com/unito/j.php?MTID=mef9c619be39328873e6e7ebb13468cfe>