

OGGETTO : INTEGRAZIONE AL BANDO DI CONCORSO PER L'AMMISSIONE AI CORSI DI DOTTORATO DI RICERCA (XL CICLO a.a. 2024/2025), DR n. 325/2024 Prot. N. 0046909 del 28.06.2024

IL RETTORE

VISTO il regolamento in materia di dottorato di ricerca, emanato con DR n.169/2022;

RICHIAMATO il bando di concorso per l'ammissione ai Corsi di Dottorato di Ricerca XL (a.a. 2024/2025) DR. n. 325/2024 Prot. N. 0046909 del 28.06.2024 e ss.mm.;

VISTA la richiesta del Professor Gianni Sagratini del 20/07/2024 per la messa a bando di una borsa di dottorato aggiuntiva cofinanziata nell'ambito del progetto denominato "Centro Europeo Agri-BioSERV" - CUP C43C21000150001 finanziato nell'ambito del Piano Nazionale Complementare (PNC) al PNRR nei territori colpiti dal sisma 2009 – 2016;

RITENUTO OPPORTUNO integrare il bando di cui sopra, in particolare in merito all'ANNEX 1, fermi restando i termini per la presentazione delle domande di ammissione originariamente previsti;

DECRETA

Di integrare l'ANNEX 1 come segue:

- inserimento di un ulteriore progetto di ricerca con borsa di dottorato per il corso in "CHEMICAL AND PHARMACEUTICAL SCIENCES AND BIOTECHNOLOGY" ciclo XL finanziato nell'ambito del progetto e dei fondi di cui alle premesse.

Camerino,

Il Rettore

Prof. Graziano Leoni

**OBJECT: AMENDMENT of the SELECTION PROCEDURE FOR ADMISSION TO PhD PROGRAMMES
(CYCLE 40, Academic Year 2024/2025) Rector's Decree No. 325/2024 Prot. N. 0046909 of 28.06.2024**

THE RECTOR

HAVING REGARD to the Regulations on PhD Programmes, issued with Rector's Decree No. 169/2022;

HAVING REGARD to the NOTICE OF SELECTION PROCEDURE FOR THE ADMISSION TO PhD PROGRAMMES
(CYCLE 40, Academic Year 2024/2025) Rector's Decree No. 325/2024 Prot. N. 0046909 of 28.06.2024;

SEEN the request of Professor Gianni Sagratini dated 20/07/2024 for the announcement of an additional co-funded PhD scholarship within the project named "Centro Europeo AgriBioSERV" - CUP C43C21000150001, funded under the "Piano Nazionale Complementare (PNC) al PNRR nei territori colpiti dal sisma 2009 – 2016";

DEEMED APPROPRIATE to proceed with an AMENDMENT of the SELECTION PROCEDURE above mentioned, in particular regarding ANNEX 1, without prejudice to the terms originally scheduled for the submission of applications;

DECREE

The ANNEX 1 is integrated as follows:

- inclusion of an additional research project with a PhD scholarship for the course in "CHEMICAL AND PHARMACEUTICAL SCIENCES AND BIOTECHNOLOGY" Cycle XL, funded under the project and funds as in the premises.

Camerino,

Il Rettore

Prof. Graziano Leoni

ANNEX 1 (ALLEGATO 1)

AREAS OF RESEARCH

Scholarship code: **CHEM14**

Language of the Phd Program: English

PhD Course and curriculum: **Chemical And Pharmaceutical Sciences And Biotechnology Curriculum: Pharmaceutical, Nutraceutical and Food Sciences**

Leader of the Phd Course: Claudio Pettinari

Lead Partner of the PhD Program: University of Camerino

Partner and operative site of the Phd Student: University of Camerino, Chemistry Interdisciplinary Project (ChIP)

Research Topic and project: **Metabolomic approach for food authentication, traceability and waste valorization**

Food authentication and traceability today represent extremely important areas in the field of food safety, not only to prevent fraudulent operations that can threaten the health of millions of people, but also to guarantee the quality of the food products. This PhD project aims to develop analytical methodologies in the field of "Omic Sciences", in particular that of Metabolomics, with the aim of studying and defining, through an innovative and sustainable approach, biomarkers and metabolites able to define the traceability and authenticity of food. This approach will be applied also to food waste for its characterization, its valorization and its use in nutraceutical and food industry for a circular economy perspective. Through the use of High Resolution Mass Spectrometry (HRMS) it will be possible to perform an "untargeted" screening of the molecules present in food, waste and, through the use of statistical and bioinformatic tools, it will be possible to obtain databases of biomarkers that reflect the molecular composition of the product, its production chain, its authenticity, its unknown secondary metabolites.

Supervisor: Gianni Sagratini
Co-supervisor: Laura Alessandrini

Scholarship co-funded under Project “Centro di ricerca per l'innovazione nel settore agroalimentare - Centro Europeo AgriBioSERV” PNRR- Piano Nazionale Complementare nei territori colpiti dal sisma 2009 – 2016 - CUP C43C21000150001;

Exclusive participation to the project for the entire duration of the scholarship is foreseen.

Duration: **3 years**

Provisional starting date: 1st November 2024 (in any case, no later than December the 13th, 2024).

ECTS credits (within 3 years): 180

The Doctoral program consists of 180 ECTS credits, distributed in the following way, in order to contribute to a better recognition of your title at a European and global level

- 1 Year:
 - 40 ECTS in research activity (with a yearly evaluation)
 - 10 ECTS in mandatory SAS Activities to acquire transferable skills
 - 10 ECTS in curricular related activities: 7 ECTS for participation in thematic option courses ; 3 ECTS for participation in seminars and events
- 2 Year:
 - 40 ECTS in research activity (with a yearly evaluation)
 - 10 ECTS in mandatory SAS Activities to acquire transferable skills
 - 10 ECTS in curricular related activities: 7 ECTS for participation in thematic option courses ; 3 ECTS for participation in seminars and events
- 3 Year:
 - 50 ECTS in research activity (writing and defend the Doctoral dissertation)
 - 10 ECTS in mandatory SAS Activities to acquire transferable skills

The Curricular related activities (seminars and courses in specific topics of interest) are organized by the Scientific Board of the Doctoral course.

Mandatory Period of research mobility abroad: at least 6 months

Special requirements, additional to “standard” ones:

Further aspects related to this topic must comply with the requirements of the funding programme and specific project Centro Europeo AgriBioSERV” PNRR- Piano Nazionale Complementare nei territori colpiti dal sisma 2009 – 2016 - CUP C43C21000150001 on which the position is based.