

Edoardo Pedani

Nationality: Italian

CONTACT

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WORK EXPERIENCE

01/2021 – 03/2021 Rome, Italy., Italy

Biochemical Internship Biochemical laboratory of Professor Martino Luigi Di Salvo, Sapienza, Roma.

During this degree i conducted research and experiments on different proteins involved in the metabolism of vitamin B6. This trainship improved my research and analysis skills in molecular biology (basic techniques, cloning, site-specific mutagenesis, sequencing reading, PCR).

01/2023 – 03/2023 Rome, Italy

Plant Biotechnology Internship Plant molecular biology laboratory of Patrizia Brunetti, Sapienza, Roma.

I tested the uptaking of PFOA (PFAS substances) from hydroponical coltures of *Pteris Vittata* and *Arabidopsis Thaliana*. This trainship improved my skills in seed sterilization; planting and growing plants in vitro; preparation of hydroponical culture.

04/2023 – 06/2023 Aarhus, Denmark

Chemical engineer Trainship (Erasmus+) Department of biological and chemical engineer, University of Aarhus.

I prepared a photocatalytic adsorbing system TNTs@BC doped with Indium from contaminated *Pteris Vittata* biomass. The In/TNTs@BC was tested in PFOA absorption and photodegradation (UV irradiation) from contaminated water matrices. This trainship improved my skills in evaluation and processing of LC-MS and "BET surface area" data analysis. The project involves the use of a RHTC 80-230/15 tube furnace and a photoreactor.

10/2023 – CURRENT Rome, Italy

Plant Biotechnology Intership Cellular and plant biotechnology Laboratory of Elisa Brasili, Sapienza, Roma

I'm studying the allelopathic interaction beetween *Sorghum Bicolor* and *Cyperus Rotundus*. The reserch involves morphological and metabolomics Analysis (NMR, HPLC).

EDUCATION AND TRAINING

10/2017 – 07/2021 Rome, Italy

Bachelor in Agro-industrial Biotechnology Sapienza, università di Roma

- Skills in molecular biology (basic techniques, cloning, site-specific mutagenesis, sequencing reading, PCR)
- Seed Sterilization/planting and growing plants in vitro
- Skills in evaluation and processing of LC-MS and "BET surface area" data analysis
- Skills in evaluation and processing NMR spectrum

Final grade 104/110 | **Thesis** Caratterizzazione di proteine coinvolte nel metabolismo della vitamina B6

10/2021 – CURRENT Rome, Italy

Master's degree in Biotechnology and Genomic for Industry and Environment Sapienza, università di Roma.

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

Listening B2

Reading B2

Writing B2

Spoken production B2

Spoken interaction B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office | Microsoft Word | Microsoft Excel | Microsoft PowerPoint