

**Edoardo Pedani**

Nationality:

**CONTACT**

## 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 cultures 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 between *Sorgum 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

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*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