



Alessandro Pellis

Fixed-term assistant professor

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Education and training

2016

Doktor der Bodenkultur (Doctor rerum naturalium technicarum-Dr. nat. techn.)

Enzymatic synthesis and functionalization of bio-based polyesters - 1/1 with distinction

University of Natural Resources and Life Sciences Vienna - Vienna - AT

2012

Laurea Magistrale in Biotecnologie mediche - curriculum medicina molecolare

Sintesi biocatalizzata di poliesteri rinnovabili mediante lipasi - 110/110 with distinction

Universita' degli Studi di Trieste - Trieste - IT

2010

Laurea di Primo Livello in Biotecnologie

Valutazione degli effetti molecolari dei farmaci 5-azacitidina e lenalidomide nella linea di epatocarcinoma umano JHH6 - 110/110 with distinction

Universita' degli Studi di Trieste - Trieste - IT

Academic experience

2021 - ONGOING

Assistant Professor

Universita' degli Studi di Genova - Genova - IT

2020 - 2021

Senior Scientist

University of Natural Resources and Life Sciences Vienna - Tulln an der Donau - AT

Project management principal investigator/project leader scientific publications and projects writing RD activities companies engagement supervision of MSc and PhD students

2019 - 2020

Senior Post Doctoral Fellow

University of Natural Resources and Life Sciences Vienna - Tulln an der Donau - AT

- Project management principal investigator/project leader scientific publications and projects writing RD activities companies engagement supervision of MSc and PhD students

2017 - 2019

Post Doctoral Fellow

University of York - York - GB

- Project management principal investigator/project leader scientific publications and periodic report writing chemo-enzymatic synthesis of polyesters and their post-functionalization lecturer and workshop organizer in the Green Chemistry MSc course supervision of undergraduate and graduate students (MSc and MChem)

2016 - 2017

Post Doctoral Fellow

University of Natural Resources and Life Sciences Vienna - Tulln an der Donau - AT

- Task manager of the Horizon 2020-EU project Resyntex writing of periodic project reports and scientific publications responsible for conducting RD activities in a research lab supervisor of a team of students and co-workers main contact for several companies and research institutions in addition leading the search for new grants and project opportunities

2016 - 2017

Scientific Writing Lecturer

Fachhochschule Wiener Neustadt - Tulln an der Donau - AT

Tutoring students on the basis of scientific writing in theses and peer-reviewed publications through theoretical and practical training (2 ECTS 40 students over one academic semester). I designed and delivered the course on the basis of University and international standards.

2013 - 2016

Doctoral candidate scientific coworker

University of Natural Resources and Life Sciences Vienna - Tulln an der Donau - AT

Responsible for conducting RD activities in a research lab instruments maintenance students supervision responsible for the periodic reporting of the FP7-EU project REFINE writing scientific publications

Work experience

2021

Senior Scientist

Austrian Centre of Industrial Biotechnology - Tulln an der Donau - AT

Project management principal investigator/project leader scientific publications and projects writing

Language skills

Italian

Mother tongue

English

Proficient

German

Independent

Spanish

Independent

Teaching activity

Undergraduate teaching:

2016-2017

Role: Lecturer

Institution: University of Applied Sciences Wiener Neustadt

Degree: Biotechnical processes

Course: Scientific writing

Hours/CFU: 20 (2.5 CFU)

2020-2021

Role: Assistant lecturer

Institution: University of Natural Resources and Life Sciences, Vienna

Degree: Various

Course: Bachelor's thesis seminar (code: 970100)

Hours/CFU: 2 CFU

Graduate teaching:

2017-2019

Role: Assistant lecturer

Institution: University of York

Degree: MSc Green Chemistry and Sustainable Industrial Technology

Course: Lecture in polymer biotechnology

Hours/CFU: 2h

2018-2019

Role: Assistant lecturer

Institution: University of York

Degree: MSc Green Chemistry and Sustainable Industrial Technology

Course: Catalysis workshop

Hours/CFU: 4h

2019-2021

Role: Assistant lecturer

Institution: University of Natural Resources and Life Sciences, Vienna

Degree: Various

Course: Biotechnology for sustainable processes and environmental protection (code: 970305)

Hours/CFU: 4 (0.5 CFU)

Role: Assistant lecturer

Institution: University of Natural Resources and Life Sciences, Vienna

Degree: Various

Course: Seminar in Environmental Biotechnology (code: 970309)

Hours/CFU: 3 CFU

Role: Assistant lecturer

Institution: University of Natural Resources and Life Sciences, Vienna

Degree: Various

Course: Practical course in environmental biotechnology (code: 970310)

Tipologia

Corso di laboratorio

Hours/CFU: 40 (3 CFU)

2020-2021

Role: Assistant lecturer

Institution: University of Natural Resources and Life Sciences, Vienna

Degree: Various

Course: Resource efficiency and bioeconomy of bio-based materials course (code: 970020)

Hours/CFU: 4 (0.5 CFU)

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

2016-2021

Supervisor of the laboratory activities (6 students) and co-advisor of PhD thesis (3 students) at the University of Natural Resources and Life Sciences, Vienna.

Research interests

A highly motivated and hardworking researcher and lecturer, focusing on chemo-enzymatic synthesis of bio-based, functional and aromatic polymers, surface functionalizations and hydrolytic/oxidative processing of various plastics. Particularly sophisticated knowledge of enzymology, polymer-related analytical techniques and alternative reaction systems. An open minded person, who excels at promoting my own, and my host institution's international profile. Holding a proven track record of winning prestigious grants and internationally recognized publications. Capable of independent thinking, whilst also enjoying working as part of a team. Provable sound experience of team leading and student supervision, covering both theoretical and practical subjects.

Grants

2021 - ONGOING

Sustainable Plastics for the Food and Drink Packaging Industry (UPLIFT)

EU Research Innovation Actions (RIA) CE BIOTECH 09 2020 - AT
600000 EUR - Participant

EU Research & Innovation Actions.

2020 - 2021

Enzymatic production of brown algae derived polyol diacids

Biomass Biorefinery Network (BBNet) (Project ID PO03-Nov19-Gomez-01) - GB

50000 GBP - Participant
Proof of Concept Funds.

2018 - 2019

Sweet Polymers Production of Galactarate Polyesters from Pectin Waste via a Solely Enzymatically Catalysed Pathway

Lignocellulosic Biorefinery Network (LBNet) (Grant Agreement ISCF05Dec17 Gomez) - GB

50000 GBP - Participant
Proof of Concept Funds.

2017 - 2020

Chemo-Enzymatic Synthesis of Functional Bio-Based Polyesters (CESBP)

Austrian Science Fund (Grant Agreement J4014-N34) - AT

165000 EUR - Principal investigator
Erwin Schrödinger Individual fellowship awarded by the Austrian Science Fund (FWF).

2016

Enzymatic synthesis of bio-based polyesters

EU EUBIS Cost Action (COST Action TD1203) - GB

2000 EUR - Participant
Short Term Scientific Mission (STSM)

Editorial activity

Member of the editorial board of scientific journals:

- 2019-on Member of the Reviewer Board of journal MDPI Polymers.
- 2019-on Review Editor for the journal Frontiers in Biotechnology and Bioengineering, section Industrial Biotechnology.
- 2019-on Review Editor for the journal Frontiers in Chemistry, section Green and Sustainable Chemistry.

Activities as Guest editor:

2021 Guest editor for the special issue: "Advances in biodegradation of plastics" for the journal MDPI Polymers.