

Paola CETERA

October 2021
present
*Sassari, Sardinia -
ITALY*

**University of Sassari, Department of Agricultural Sciences Researcher type-A)
in Wood Technology and Cork transformation (AGRI-03/C exAGR/06)**

- Effects of climate change on wood extractives
- Comparison of the antioxidant activity among different wood species
- Antifungal test by using natural compounds

ACADEMIC EDUCATION

July 2024
ITALY

Italian National Scientific Qualification
**Qualified as Associate Professor in Science and Technology of Tree and Forest
Systems (07-B2) [02/07/2024 - 02/07/2036]**

February 2019
*University of
Basilicata - ITALY*

Doctor of Philosophy in “Agriculture, Forest and Food Science”
Curriculum Land, Environmental and Forest Sciences (LEFS) - XXXI cycle
Academic discipline: “AGR/06 - Wood Technology and Forestry Operations”
Anti-oxidative activity of extractives from thermally modified Mediterranean
hardwoods

- Effects of extractives from thermally treated wood on non-durable wood
surfaces
- Antioxidant activity of wood extractives
- Antimicrobial activity of wood extractives

University of Basilicata
School of Agricultural, Forestry, Food and Environmental Science “SAFE”

July 2014
*University of
Basilicata - ITALY*

MSc - Master degree in Forestry and Environmental Science
Comparative investigation and dendroecological significance of co-occurring *Acer
pseudoplatanus* L. and *Alnus cordata* Desf. growing in the National Park of Pollino
(Southern Italy)
Vote: 110/110 cum laude
University of Basilicata
School of Agricultural, Forestry, Food and Environmental Science “SAFE”

October 2012
*University of
Basilicata - ITALY*

BSc - Bachelor in Forestry and Environmental Science
Assessment of thermo-treated bonded wood performance: Comparisons among
Norway spruce, common ash, and turkey oak.
Vote: 100/110
University of Basilicata
School of Agricultural, Forestry, Food and Environmental Science “SAFE”

June-September 2012
*University of
Basilicata - ITALY*

Internship
Evaluation of the wood characteristics with resistivity georesistivity meter, by using
electrical method
Vote graduation: 30/30
University of Basilicata
School of Agricultural, Forestry, Food and Environmental Science “SAFE”

2007
*Marconia di Pisticci
(MT) - ITALY*

Agricultural expert
Institute of Tecnico Agrario Statale “G. Cerabona”
High school

RESEARCH EXPERIENCE

August 2020 -
October 2021
Trento, ITALY

National Research Council (CNR), Institute of BioEconomy (CNR-IBE), ex-IVALSA

Post doctoral research fellow

Supervisor: dr. Martino Negri

“TALENTED – La fibra dell’agri-selvicoltura trentina” Project

- New packaging by using wood residues
- Characterization of mechanical properties of different ties making
- 3D print of wood filaments

December 2019 -
July 2020
Rome, ITALY

Council for Agricultural Research and Economics (CREA), Research Centre for Engineering and Agro-Food Processing (CREA-IT)

Researcher

Supervisor: dr. Luigi Pari

- Industrial energy crops and characterization of biomass for energetic uses

June 2019 -
December 2019
Florence, ITALY

University of Firenze, Department of Agriculture, Food, Environment and Forestry (DAGRI)

Research fellowship

Supervisor: prof. Marco Fioravanti

ROCKWOOD Project

- Effects of the thermal treatment of the Paulownia wood
- Mechanical properties of Paulownia wood

October - December
2018
Potenza - ITALY

University of Basilicata, School of Agricultural, Forestry, Food and Environmental Science “SAFE”

Tutor for teaching of Botany

Supervisor: prof. Simonetta Fascetti

- Support students for preparation of the Botany exam
- Collection of different vegetal species
- Implementation of the herbarium

April 2014 -
July 2015
Potenza - ITALY

University of Basilicata and Lykos s.r.l. Company

Post degree fellowship

Supervisor: prof. Severino Romano

- Physical characterization of wood material and pellet
- “Solid biofuels - Fuel specifications and classes - Part 2: Graded wood pellets”, according to UNI EN ISO 17225-2

July 2014
Potenza - ITALY

University of Basilicata and Lykos s.r.l. Company

Post degree fellowship

Supervisor: prof. Luigi Todaro

- Valorization of native wood species, (Turkey oak, Chestnut, Beech) by using thermal treatment process
- Effects of thermal treatment on different wood aspects (photodegradation, bonding, ...)

December 2013 -
February 2014
Naples - ITALY

University of Naples Federico II, Department of Agriculture

Research contract

Supervisor: prof. Salvatore Faugno

- Physical analysis and determination of the calorific value of biomass from forest tree species and herbaceous species for energy purposes within the Project P.O.N. "Development of environmentally friendly energy production processes and bio-chemicals from renewable sources and development of the area"

November 2012 -
March 2013
Potenza - ITALY

University of Basilicata, School of Agricultural, Forestry, Food and Environmental Science "SAFE"

Research collaboration

Supervisor: prof. Luigi Todaro

- Evaluation of calorific value, ash content and humidity of forestry biomass

PROFESSIONAL WORK EXPERIENCE & INTERNSHIPS

February 2021 -
present
Nuoro, Sardinia -
ITALY

University of Sassari, Department of Agricultural Sciences

Teaching in Wood Technology and Forestry Operations

Cork oak cultivation and cork transformation

- Main wood and cork properties
- Anatomical and physico-mechanical wood and cork properties
- Cultivation of trees of cork oak
- Transformation of cork material

March 2017
Zagreb, Croatia

University of Zagreb, Faculty of Forestry

Short-Term Mission

Prof. Hrvoje Turkulin

- Visit Laboratory for wood in construction

April 2016
Vantaa, Finland

Natural Resources Institute Finland "LUKE"

Training School

- "Life Cycle Assessment – steps and role in product development"

February - November
2014
Potenza - ITALY

Legambiente Basilicata ONLUS

Civil Service, within the Project "The civil protection for the protection of land 2013"

- Environmental education in schools
- Collaboration with public and private institutions
- Writing projects

February - April 2013
Potenza - ITALY

OPAL, Associazione Osservazione per l'Ambiente

Professional collaboration

- Reliefs dendro-auxometrici, stational and vegetation for to write the management forestry plan of Abriola, POTENZA

SCHOLARSHIP AWARD

September 2016 -
June 2017

Wien, Austria

PhD - ERASMUS+ scholarship - Fundend by European Union programme

September 2011 -
February 2012

Brno, Czech Republic

BSc - ERASMUS+ scholarship - Fundend by European Union programme

HONORS AND AWARDS

11 December 2016

Pratovecchio Stia

(AR), Italy

Nardi Berti 2016 Award 1st Ed. Best scientific article of Wood Technology and Forestry Operations (AGR/06)

Paola Cetera, L. Todaro, T. Lovaglio, N. Moretti, A. Rita (2016). Steaming treatment decreases MOE and compression strength of turkey oak wood. Wood Research

October 2019

StartCup Basilicata 2019, Business plan competition "Extra-Attivi".

Maria Roberta Bruno, **Paola Cetera**, Valentina Lo Giudice e Luigi Todaro

15 November 2019

Palermo, Italy

SISEF 2019 award "150° Anniversario dell'Educazione Superiore nel Settore Forestale in Italia", con il patrocinio del MIPAAF e dell'Accademia Italiana di Scienze Forestali, Best PhD thesis SSD AGR/06 – Wood Technology and Forestry Operations

Paola Cetera "Anti-oxidative activity of extractives from thermally modified Mediterranean hardwoods"

NOTABLE ACADEMIC PROJECTS

2022-2024

"Extrattivi di Sardegna" Project – Fundend by Fondazione di Sardegna, University of Sassari

2021

"TALENTED – T.A.F./17 Trentino Agriculture-Forestry" Project – Fundend by Trentino Alto-Adige Region

2013

"CerrRov" Project - Fundend by Basilicata Innovazione and University of Basilicata

2010

"Legno Lucano Termotrattato-TW.Lucania" Project - Fundend by Basilicata Innovazione and University of Basilicata

EDITORIAL BOARD

- January 2024 – present: Subject editor for iForest journal
- May 2020 – present: Editorial board of BioProducts Business (BioBus) journal of the Society of Wood Science and Technology (SWST)
- 2021 – present: Researcher associate at the National Research Council (IBE-CNR) of San Michele all'Adige (TN)
- 2010 – present: Member of Italian Society of Silviculture and Forest Ecology (SISEF)
- 2010 – present: Member of work team “Chain of wood” of the SISEF
- 2010: Coordinator of Department, ADI Basilicata, National Researchers Association

PUBBLICATION

See my personal ORCID record “<https://orcid.org/0000-0002-7568-2718>”

