



## ● WORK EXPERIENCE

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01/05/2020 – 30/04/2021 – Rome, Italy

**POSTDOCTORAL RESEARCHER** – DEPARTMENT OF ENVIRONMENTAL BIOLOGY, SAPIENZA UNIVERSITY OF ROME

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Researcher in the project titled "Funghi come biorisorse nel biorimedio e biorecovery di metallodi di importanza industriale e strategica: l'arsenico e l'antimonio" (Fungi as bioresources in bioremediation and biorecovery of metalloids of industrial and strategic importance: arsenic and antimony). Bioremediation, biorecovery, fungal tolerance to toxic metalloids, bioleaching, biomineralization.

01/05/2019 – 30/04/2020 – Rome, Italy

**POSTDOCTORAL RESEARCHER** – DEPARTMENT OF ENVIRONMENTAL BIOLOGY, SAPIENZA UNIVERSITY OF ROME

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Researcher in the project titled "Coltivazione sostenibile della piante medicinale *Hypericum perforatum*(L.): funghi saprotrofi del suolo per la promozione della crescita e l'induzione della resistenza" (Sustainable cultivation of the medicinal plant *Hypericum perforatum* (L.): soil saprotrophic fungi for growth promotion and resistance induction). Isolation and identification of fungi, fungal metabolism, fungal physiology, applied mycology, plant-fungus interactions, plant-growth promotion, bioresources, environmental sustainability

01/03/2018 – 28/02/2019 – Rome, Italy

**POSTDOCTORAL RESEARCHER** – DEPARTMENT OF ENVIRONMENTAL BIOLOGY, SAPIENZA UNIVERSITY OF ROME

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Researcher in the project titled "Plant defence strategies against toxic metals involve auxin-nitric oxide interaction and change in thiols metabolism. The case study of rice root system". Plant-fungus interactions, plant/fungal metabolism, plant/fungal physiology, applied mycology

30/11/2018 – 30/11/2018

**MEMBER OF ORGANIZING COMMITTEE** – DEPARTMENT OF ENVIRONMENTAL BIOLOGY, SAPIENZA UNIVERSITY OF ROME

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Member of organizing committee for the Workshop "Matching fungal conservation in Italy: the current state and future challenges".

01/07/2016 – 30/06/2017 – Rome, Italy

**POSTDOCTORAL RESEARCHER** – DEPARTMENT OF ENVIRONMENTAL BIOLOGY, SAPIENZA UNIVERSITY OF ROME

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Researcher in the project titled "Isolamento di specie fungine da differenti matrici di ecosistemi naturali ed antropizzati, studio dei loro profili metabolici e delle potenzialità applicative in campo ambientale" (Isolation of fungal species from different matrices of natural and antropized ecosystems, study of their metabolic profiles and of the applicative potentialities in environmental field).

Isolation and identification of fungi, fungal bioremediation, biodegradation of hexachlorocyclohexane/lindane/DDT (pesticide), fungal metabolism, fungal physiology, applied mycology, fungal biodiversity, fungal conservation

01/05/2015 – 30/04/2016 – Rome, Italy

**POSTDOCTORAL RESEARCHER** – DEPARTMENT OF ENVIRONMENTAL BIOLOGY, SAPIENZA UNIVERSITY OF ROME

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Researcher in the project titled "Funghi saprotrofi del suolo nel biorimedio di siti contaminati dagli isomeri dell'esaclorocicloesano: aspetti metabolici, enzimatici e chimici associati" (Saprotrophic soil fungi in bioremediation of contaminated sites with hexachlorocyclohexane isomers: metabolic, enzymatic and chemical aspects related). Isolation and identification of fungi, fungal bioremediation, biodegradation of hexachlorocyclohexane/ lindane (pesticide), fungal metabolism, fungal physiology, applied mycology

2008 – 2015

### SCIENCE TEACHER SECONDARY SCHOOL

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Organization of seminars and environmental projects of environmental education on important environmental themes (e.g. water, waste management) for primary and secondary in collaboration with Associazione Italiana Scienze Ambientali (AISA - Italian Association of Environmental Science)

2009 – 2009

### WWF ENTERTAINER – PANDA AVVENTURE

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Entertainer for kids in WWF camps.

2008 – 2008

### BOTANICAL GUIDE – PIERRECI

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Guide as botanist for scientific tours in Rome's Villas for tourists, students and common people

## ● LANGUAGE SKILLS

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**Mother tongue(s):** ITALIAN

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	B1	B1	B1	B1	B1
<b>CHINESE</b>	A1	A1	A1	A1	A1
<b>PORTUGUESE</b>	A1	A1	A1	A1	A1
<b>RUSSIAN</b>	A1	A1	A1	A1	A1

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

## ● EDUCATION AND TRAINING

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27/10/2017 – 31/10/2022

**APR PILOT ATTESTATION (ISSUED IN ACCORDANCE WITH REMOTELY PILOTED AERIAL VEHICLES REGULATION) – AE RO CLUB ROMA ENAC.CA.APR.038**

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31/05/2021 – CURRENT

**NATIONAL SCIENTIFIC QUALIFICATION TO FUNCTION AS ASSOCIATE PROFESSOR (II FASCIA) - COMPETITION  
SECTOR: BOTANY CODE: 05/A1 – National Committee**

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31/05/2030 | <https://abilitazione.miur.it>

10/07/2018 – 13/07/2018

**INTERNATIONAL SUMMER SCHOOL – Turin University and Italbiotech Consortium**

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International Summer School on Contaminated soil: Management and Remediation (10-13 July 2018) sponsored by Life BIOREST project and organized by Turin University and Italbiotech Consortium.

01/11/2011 – 31/10/2014

**PH.D.** – Sapienza University of Rome and University of Dundee

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Ph.D. in Environmental Biology (XXVII cycle) and Geomicrobiology in the context of a joint research project between Sapienza University of Rome and University of Dundee. Applied and environmental mycology, geomicrobiology and geomycology, geochemical modelization, mycoremediation of potentially toxic elements and pesticides (hexachlorocyclohexane, lindane).

**Field(s) of study**

- Environmental Biology and Geomicrobiology

Fungi in the bioremediation of potentially-toxic substances

01/09/2008 – 01/11/2011

**MASTER OF SCIENCE IN MONITORING AND ENVIRONMENTAL REQUALIFICATION** – Sapienza University of Rome

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110/110 with honours

2010 – 2010

**CERTIFICATE FOR SOLAR PANEL AUTOPRODUCTION** – ACS

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2010 – 2010

**COURSE "ESPERTO NELLA CERTIFICAZIONE AMBIENTALE ED ENERGETICA" (EXPERT IN ENVIRONMENTAL AND ENERGY CERTIFICATION) WITH INTERNSHIP IN A COMPANY** – Regione Lazio

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2009 – 2009

**ATTENDANCE CERTIFICATE OF FIRST AID COURSE** – Croce Rossa Italiana/ Italian Red Cross

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01/09/2004 – 01/11/2008

**BACHELOR DEGREE IN ENVIRONMENTAL SCIENCE** – Sapienza University of Rome

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110/110 with honours

09/1998 – 07/2003

**HIGH SCHOOL DIPLOMA** – Liceo Scientifico Statale "C. Cavour"

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100/100

## ● **DIGITAL SKILLS**

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Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Outlook | Google Drive | Google Docs | Zoom | Facebook | LinkedIn | Power Point | Skype | ■ Reference Management softwares Zotero, EndNote, Mendeley | PHREEQC modelling | PHREEPLOT | Geochemist's Workbench | OpenOffice | Gmail | WhatsApp | Internet user | Twitter | Instagram | Research and analytical skills | Image processing programs (ImageJ) | Adobe Photoshop | Adobe Illustrator | Gimp | GIS software: ArcGIS, QGIS | Microsoft Office | Mint Linux | Linux Slackware | R/R Studio/ R Markdown | XLSTAT software | Sigma Plot | Latex Software | C | Knowledge of HTML CSS

## ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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**Teamwork**

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**Empathic listening and assertive communication**

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**Flexibility**

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## ● ORGANISATIONAL SKILLS

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Problem solving

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Multi-tasking

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Time and Energy optimization

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Multidisciplinary and interdisciplinary skills

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Self-improving

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Objective achievement

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## ● MANAGEMENT AND LEADERSHIP SKILLS

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Team coordination and cooperation

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Decision making and responsibility

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Coaching

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Critical and forward thinking

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## ● DRIVING LICENCE

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Driving Licence: A

Driving Licence: B

## ● VOLUNTEERING

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05/2018 – CURRENT

**Collaborator**

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**Collaborator** with the Global Soil Partnership (GSP) of the Food and Agriculture of the United Nations (FAO) as an expert on soil pollution from May 2018 to the present.

- Active participation in the multi-stakeholder working group set up by the GSP in the framework of the implementation of the GSOP18 outcome document;
- Co-author to the development of the Digital Database on Best Practices for Managing and Remedying Soil Pollution, being the lead author of the chapter on the management of sites with mixed pollution.
- Co-author to the chapter on major soil contaminants, part of the Global Assessment of Soil Pollution Report, which has been prepared jointly by FAO, the GSP and UN Environment.

**Invited presentation:** **Ceci A.**, Bioremediation of polluted soils: status and challenges, Global Symposium on Soil Biodiversity, Food and Agriculture Organization (FAO), Global Symposium on Soil Biodiversity, Online, available at: <http://www.fao.org/webcast/home/en/item/5543/icode/>, 19–22 April 2021

**Publication:** Bussian B. M., Eugenio N. R., Wilson S. C. (lead authors), **Ceci A.**, Parelho C., Semenov D., Yahyaabadi M. (contributing authors) Chapter 2. Main soil contaminants and their fate in the soil environment. In FAO and UNEP. 2021. Global assessment of soil pollution: Report. Rome. ISBN: 978-92-5-134469-9 <https://doi.org/10.4060/cb4894en> (available online: <http://www.fao.org/documents/card/en/c/cb4894en>)

- **HOBBIES AND INTERESTS**

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Swimming

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Hiking

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Music and Piano playing

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- **NOTES**

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**Publications, Posters and Oral presentations**

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Dr. Ceci has published several peer-reviewed articles in international journal and realized numerous posters and oral presentations in scientific international/national conferences. Please, find details in *Curriculum studiorum*.