



## Natalia Ceccotti Vlas

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**Gender:** Female **Date of birth:** 31/12/1993 **Nationality:** Italian

### ABOUT ME

*PhD student in Ecology and Sustainable management of environmental resources.*

### WORK EXPERIENCE

[ 01/11/2023 – Current ]

**PhD student in Ecology and Sustainable management of environmental resources.**

*Department of Ecological and Biological Science (DEB), Università degli studi della Tuscia.*

**City:** Viterbo

**Country:** Italy

Research and development of nutraceutical principles for functional foods.

[ 01/11/2022 – 31/10/2023 ]

**Research fellow**

*Net4science SRL*

**City:** Catanzaro

**Country:** Italy

Research and experimental development in biotechnology field: valorization of phenolic compounds in olive mill wastewater as a natural pesticides and for cosmetics formulation.

[ 01/12/2021 – 30/01/2022 ]

**Curricular internship**

*GENTOXchem SRL*

**City:** Viterbo

**Country:** Italy

Design of synthetic photo-biocatalytic methodologies for the preparation of bioactive molecules phenolic based.

### EDUCATION AND TRAINING

[ 2022 ]

**Graduation 110/110 cum laude in Industrial Biotechnology for Health and Well-being (LM-8)**

*Università degli studi della Tuscia*

**City:** Viterbo

**Country:** Italy

**Thesis:** "Photobiocatalytic synthesis of Pummerer's ketones driven by Blue- LED photons for oxidative coupling of substituted phenols"

[ 2018 ]

**Bachelor degree in Biological Science (L-13)**

*Università degli studi della Tuscia*

**Thesis:** "Il glifosato: azione, effetti, tossicità sull'ambiente e sull'uomo"

### LANGUAGE SKILLS

**Mother tongue(s):** Italian



**Other language(s):**

**English**

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

**Romanian**

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

**Russian**

LISTENING A1 READING A1 WRITING A1

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

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

**DIGITAL SKILLS**

Professional use of Windows software, TopSpin, ChemDraw, BioRender and Photoshop.

**PUBLICATIONS**

[ 2023 ]

[Biosynthesis of Novel Ascorbic Acid Esters and Their Encapsulation in Lignin Nanoparticles as Carriers and Stabilizing Systems](#)

[ 2023 ]

[Blue-LED Synthesis of Pummerer's Ketones by Peroxidase-Lignin-Catalyzed Oxidative Coupling of Substituted Phenols](#)

**PROJECTS**

[ 01/11/2022 – Current ]

**"Natural multi-targeting agents as nutraceuticals and protectors against olive fly"**

Regione Calabria- Programma di sviluppo rurale (PSR) 2014-2020, misura 16.01.01

Topic: development of food (drink) and non-food products (creams, ointments) through the identification of bioactive molecules with nutraceutical action.

**COMMUNICATION AND INTERPERSONAL SKILLS**

**Soft skills**

Verbal communication, written communication, collaboration, curiosity, self-management, observation, teamwork, public speaking, planning, focus, team building, and critical observation.

**TECHNICAL SKILLS AND COMPETENCES**

**Job-related skills**

Professional use of Nuclear Magnetic Resonance (NMR) spectroscopy, Gas Chromatography– Mass Spectrometry (GC-MS), High Performance Liquid Chromatography (HPLC), Infrared spectroscopy FT-IR, and UV-Vis spectrophotometer.

**Other skills**

Laboratory experience in chemical synthesis, analysis and characterization of natural compounds.

*I authorize the processing of my personal data pursuant to Legislative Decree 30 June 2003, n.196 "Code regarding the protection of personal data".*

Viterbo, 06/02/2024