

Vincenzo Musolino

PhD, Research Fellow. Pharmaceutical Biology

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Catanzaro, Italy

EDUCATION:

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PhD in Pharmaceutical Sciences at the University of Magna Graecia of Catanzaro

Master's Degree in Industrial Biotechnologies at the University of Milano-Bicocca.

Bachelor's Degree in Molecular Biotechnologies at the University of Milano-Bicocca

SKILLS and COMPETENCES :

High expertise in all the research phases related to medicinal plants, from the collection to the processes of extraction, purification of bio-compounds, phytochemical analyses, and *in vitro* and *in vivo* evaluations to assess the biological properties of the plant extracts.

Co-authors of 113 publications in international scientific journals. In the Scopus database there are 3694 citations and an *H-Index* of 36 (June 2026).

PhD in Pharmaceutical Sciences at the University "Magna Graecia" of Catanzaro. During the PhD period, he attended for one year the laboratories of the Charité – Universitätsmedizin Berlin in Germany. Master's Degree in Industrial Biotechnology at the University of Milano-Bicocca. During his studies, he carried out one year of the experimental thesis at the KU Leuven University, in the Functional Biology laboratories, working on humanized yeast (*S. cerevisiae*) models of proteopathies.

EXPERIENCE:

Research

Pharmaceutical Biology Laboratory, Department of Health Sciences, Institute of Research for Food Safety and Health (IRC-FSH), University Magna Graecia of Catanzaro.

My research activity is focused on the botanical, phytochemical and pharmacognostic evaluation of medicinal plants, aimed at the phytochemical characterization and biological activity of their active constituents as well as the selection of those potentially exploitable for therapeutic purposes. The main research topics focus on:

- Quality control of medicinal plants drugs.
- Phytochemical investigations.
- Optimization of extraction methods.
- Toxicological evaluations of plant extracts *in vitro*.
- Biological analysis of medicinal plant drugs and their extracts.

Teaching Activity

Department of Health Sciences, School of Pharmacy and Nutraceuticals
Master's degree in Pharmacy

- Plant biology and pharmaceutical botany
Bachelor's degree in Cosmetic Sciences and Technologies and Wellbeing Products.

- Pharmacognosy of wellbeing products

Bachelor's degree in Animal Science and Technology.

- Botany