

Curriculum Vitae

PERSONAL INFORMATIONS

Name: VIVIENNE

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EDUCATION/TITLES:

On 16/07/2002 – Master's Degree in Biological Sciences with honors from the University of Palermo, discussing a thesis entitled "Spettro cromatico della flora sicula".

On 2003 – Licensed to practice as a biologist with a grade of 150/150.

From 1/2/2003 to 31/1/2004 – Research Fellow in the biological area at the "Centro Interdipartimentale di Ricerche sulla Interazione Tecnologica-Ambiente (C.I.R.I.T.A.)" of the University of Palermo.

On 18/5/2004 – Teaching Habilitation for cl. 60/A (Natural Sciences, Chemistry, Geography and Microbiology) at S.I.S.S.I.S. (Scuola Interuniversitaria Siciliana di Specializzazione per l'Insegnamento Secondario) in Palermo, with a grade of 80/80.

On 12/4/2004 – PhD in "Plant Resources" with a thesis entitled "Studio biologico ed etnofarmacobotanico di *Helleborus bocconei* subsp. *intermedius* (Ranunculaceae)".

Since 31/1/2005 – University Researcher for the Scientific Disciplinary Sector BIO/15 (Pharmaceutical Biology) at the University of Palermo.

On 31.1.2008 – Confirmation in the role of University Researcher (D.R. 2738).

On 2013 – National scientific qualification for the position of Associate Professor for the Concurrent Sector O5/A1 – Botany

Since 16/9/2015 – Position as Associate Professor for the Scientific Disciplinary Sector BIO/02 (Systematic Botany) – Area O5/A1-Botany, at the University of Palermo.

TEACHING ACTIVITIES:

From 2002 to the present, teaching activities have covered the Undergraduate and Master's Degree Courses activated at the Faculties of Pharmacy and MM. FF. NN. Of the University of Palermo, the Specialization Courses at the S.I.S.S.I.S. of the same University, the Postgraduate Specialization Course and IFTS Courses in various municipalities of the region, as listed below:

A.Y. 2002/2003 – **Regional Medicinal Flora** [BIO/15] (4 CFU) for the Degree Course of "Herbal Techniques" (Decentralized Pole); **Systematic Botany and Laboratory** [BIO/02] for the Degree Course of "Environmental Sciences"; **Biology and Taxonomy of Phanerogams** [BIO/02] (3 CFU) and **Laboratory of Phanerogamy** [BIO/02] (2 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole)

A.Y. 2003/2004 - **Regional Medicinal Flora** [BIO/15] (4 CFU) for the Degree Course of "Herbal Techniques" (Decentralized Pole); **Systematic Botany and Laboratory** [BIO/02] for the Degree Course of "Environmental Sciences"; **Biology and Taxonomy of Phanerogams** [BIO/02] (3 CFU) and **Laboratory of Phanerogamy** [BIO/02] (2 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole)

A.Y. 2004//2005 - **Regional Medicinal Flora** [BIO/15] (4 CFU) and **Toxic Plants** [BIO/15] (2 CFU) for the Degree Course of "Herbal Techniques" (Decentralized Pole); - **Principles of Plant Systematics and Taxonomy** [BIO/02] (4 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole)

A.Y. 2005//2006 - **Pharmacognosy** [BIO/14] (5 CFU) e **Toxic Plants** [BIO/15] (8 CFU) for the Degree Course of "Herbal Techniques" (Decentralized Pole); **Principles of Plant Systematics and Taxonomy** [BIO/02] (4 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole)

A.Y. 2006//2007 - **Principles of Plant Systematics and Taxonomy** [BIO/02] (4 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole); - **Fundamentals of Systematic Botany** [BIO/02] (4 CFU) for the Degree Course of "Biological Sciences"; **Medicinal and Toxic Plants** [BIO/15] (3 CFU) for the Degree Course of "Plant Biology and Ecology"

A.Y. 2007//2008 – **Pharmaceutical Botany** [BIO/15] (8 CFU) for the Degree Course of "Herbal Techniques"; **Principles of Plant**

Systematics and Taxonomy [BIO/02] (4 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole)

A.Y. 2008//2009 - **Pharmaceutical Botany** [BIO/15] (6 CFU) for the Degree Course of "Pharmacy"; **Medicinal Plants and Ethnobotany** [BIO/15] (3 CFU) for the Degree Course of "Conservation and Enhancement of Biodiversity" (Decentralized Pole)

A.Y. 2009//2010 - **Pharmaceutical Botany** [BIO/15] (6 CFU) for the Degree Course of "Pharmacy"; **Toxic Plants** [BIO/15] (8 CFU) for the Degree Course of "Herbal Techniques"; **Elements of Naturalistic Museology** [BIO/03] (2 CFU) for the Degree Course of "Science and Technology for Cultural Heritage" (Decentralized Pole)

From A.Y. 2010 to A.Y. 2018 – **Module of Pharmaceutical Botany** [BIO/15] (8 CFU) of the teaching: *Pharmaceutical Botany and Pharmacognosy C.I.* (16 CFU) for the Degree Course of "Pharmacy"

A.Y. 2011//2012 – **Module of Plant Biology** [BIO/15] (6 CFU) of the teaching: *Animal Biology and Plant Biology* (12 CFU) for the Degree Course of "Pharmacy"

From A.Y. 2016 to A.Y. 2023 - **Module of Systematic Botany with Exercises** [BIO/02] (5+1CFU) for the Degree Course of "Biological Sciences"

From A.Y. 2019 to A.Y.2023 – **Module of Analysis of Plant Biodiversity** [BIO/02] (5+1 CFU) for the Bachelor of "Biodiversity and Environmental Biology"

From A.Y. 2021 to A.Y. 2023 – **Module of Plant Biology and Elements of Pharmaceutical Botany** [BIO/15] (5 CFU) for the Bachelor of Science in "Pharmacy"

A.Y. 2022/2023 – **Medicinal and Toxic Plants** [BIO/02] (6 CFU) for the Bachelor of "Biodiversity and Environmental Biology"

For the present A.Y. 2023/24: **Module of Plant Biodiversity and Health** [BIO/02] (5+1 CFU) and **Sicilian Medicinal Flora** [BIO/02] (6 CFU) LM- 6 Biodiversity and Environmental Biology; **Module of Plant Biology** [BIO/02] (3 CFU) LM-13 Pharmacy; **Module of Systematic Botany with Exercises** [BIO/02] (5+1CFU) L-13 Biological Science

OTHER TEACHING ASSIGNMENT:

A.Y. 2005/2006 teaching assignment for the course of **Complements of Plant Biology** at Scuola Interuniversitaria Siciliana di Specializzazione per l'Insegnamento Secondario (S.I.S.S.I.S.) (25 hours)

From 26/9/2020 to 3/10/2020 for the course of **Ethnobotany** at the Postgraduate Course in "Phytotherapy and Mycotherapy of Food and Medicinal Interest" at the University of Palermo

A.Y. 2003/2004 - **Ecology of the Landscape** as part of the I.F.T.S. Courses: "Technician for the conservation and enhancement of environmental resources "; Institute of Higher Education "L. Failla Tedaldi" of Castelbuono (PA) and "Technician for environmental restoration," Institute of Higher Secondary Education "Lorenzo Panepinto" of Bivona (AG)

A.Y. 2004/2005 - **Elements of Plant Taxonomy and Phytognosy** as part of the I.F.T.S. Course: "Technician for the recovery, enhancement and management of parks, historic gardens and monumental trees"; Institute of Higher Education "P. Domina" in Petralia Sottana (PA)

A.Y. 2004/2005 - **Officinal Plants and Ethnobotany** as part of the I.F.T.S. Course: "Higher Technician of catering and the valorization of territorial products and typical productions"; Institute of Higher Education IPSSARCT "Ambrosini" in Favara (AG)

Participation in examination commissions:

President and/or member of examination commissions of the subjects taught by the undersigned and member of others in which she has been involved.

Member of Degree Commissions for the Degree Courses in Pharmacy, Herbal Techniques, Biodiversity Conservation and Enhancement, Biological Sciences and for the Master's/Master's Degree Courses in Plant Biology and Ecology and in Biodiversity and Environmental Biology.

Member of selection committees for public selection procedures based on qualifications and interviews for the awarding of scholarships and/or research grants.

Member of access verification commission for the Master's Degree Course in Biodiversity and Environmental Biology.

Tutor and/or co-tutor of numerous dissertations for the Degree Courses in Pharmacy, Herbal Techniques, Biodiversity Conservation and Enhancement, Biological Sciences, Biodiversity and Plant Ecology.

Tutor of doctoral theses (XXII, XXIV and XXIX Cycles) and internship tutor of students in the Graduate Courses of Herbal Techniques and Biological Sciences.

FINANCED RESEARCHES:

Participation as a component in the following research projects:

University projects (formerly 60%):

- 2004: Taxonomic, ecological and distributional investigations on the Sicilian plant population aimed at its conservation and enhancement (Head: Prof. F.M. Raimondo).
- 2004: Biological, taxonomic, ecological and distributional researches on taxa of the agro-forestry flora of Sicily (Responsible: Prof. R. Schicchi).
- 2005: Biological, taxonomic, ecological and distributional research on taxa of the agro-forestry flora of Sicily (Responsible: Prof. R. Schicchi).
- 2005: Taxonomic, ecological and distributional investigations on the Sicilian plant population aimed at its conservation and enhancement (Responsible: Prof. F.M. Raimondo).
- 2006: Biological, taxonomic, ecological and distributional research on taxa of the agro-forestry flora of Sicily. (Responsible: Prof. R. Schicchi)
- 2006: Taxonomic, ecological and distributional investigations on the Sicilian plant population aimed at its conservation and enhancement (Responsible: Prof. F.M. Raimondo).
- 2007: Biodiversity and systematics in the Sicilian phanerogamic flora. (Responsible: Prof. F.M. Raimondo).
- 2012: Ex situ conservation and morpho-anatomical, ecophysiological and genetic characterization of threatened species of the Italian wild flora (Responsible: Prof. F.M. Raimondo).

PRIN, 2007: Criteria for selection of threatened plant accessions for ex situ conservation and analysis of their genetic diversity (Responsible: Prof. F.M. Raimondo).

ROP, 2011: Center for the preservation of plant biodiversity of traditional agrosystems of Sicily (cenbios) (Responsible: Prof. F.M. Raimondo).

FP7 European project, 2013: MEditerranean MOntainous LAndscapes: an historical approach to cultural heritage based on traditional agrosystems (Responsible: Prof. G. Bazan).

Responsible for the University Project, 2007: Pharmacobotanical and phytochemical research on representative genera of the Sicilian flora.

POSITIONS / CONSULTANCIES:

She was a member of the Board of the Department of Environmental Biology and Biodiversity (DAB) at which she was afferent and now merged into the current afferent STEBICEF Department.

She was a member of the Teaching Committee of the Bachelor of Science in Pharmacy.

She was a member of the Scientific Committee of the C.I.R.I.T.A. (Interdepartmental Research Center on Technology-Environment Interaction) of the University of Palermo

From 2007 to the present, member of the Doctoral teaching board in **Plant Resources** (Cycle XXII), in **Plant Biodiversity and Landscape Ecology** (Cycle XXIV), in **Environmental Biology and Biodiversity** (Cycles XXV-XXVI-XXIX), and in **Molecular and Biomolecular Sciences** (Cycles XXXV-XXXVI-XXXVII-XXXVIII and XXXIX) at the University of Palermo.

Since 2016: Member of the Board of Auditors of the International Foundation pro Herbario Mediterraneo in Palermo.

From 2016 to 2020: Member of the Regional Commission for Complementary Medicines (D.A .n.1715, 19.09.2016).

Full member of the Commission of State Examinations for Licensing to practice as a Biologist - first and second session 2019.

Since 2023, Member of the QA (Quality Assurance) Committee for the Bachelor of Science in Biodiversity and Environmental Biology.

SCIENTIFIC ASSOCIATIONS:

Since 2002, member of the Italian Botanical Society (S.B.I.), OPTIMA (Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area) and the Sicilian Society of Natural Sciences (S.S.S.N.).

CONGRESSES:

She has participated actively and continuously, producing original contributions, in national and international congresses organized, on an annual (SBI) or triennial (OPTIMA) basis, by the Scientific Societies to which she belongs. She has also taken part in other congresses of ethnobotanical, ethnomedical, phytochemical and food interest such as, SILAE (Italian-Latin American Society of Ethnomedicine), ALIMED (Mediterranean Nutrition), FITOMED (Medicinal Plants) Congresses, as well as congresses of phytogeographical and vegetational nature such as, those of Biogeography, Silviculture and SISV (Italian Society of Vegetation Science).

PUBLICATIONS:

Since 2000 to date, author/co-author of more than 150 scientific papers, including articles, scientific notes, abstracts of posters and communications at national and international congresses, covering both the floristic-systematic and the biological-pharmaceutical fields.

The updated list of publications is available at: <https://www.unipa.it/persone/docenti/s/vivienne.spadaro/?pagina=curriculum>

SCIENTIFIC ACTIVITIES:

Since 2000, scientific activity carried out both in the floristic-taxonomic and in the biological-pharmaceutical fields at the Laboratories of Systematics and Phytogeography and of Pharmaceutical Biology of the afferent Department of the University of Palermo.

RESEARCH AREAS:

The research activity covers the following topics: taxonomic and chorological research on Sicilian plants including those of medicinal interest; experience on the acclimation and spread of exotic medicinal plants in Sicily; phytochemical and pharmacobotanical investigations on plants of the Sicilian flora; research on endophytic micromycetes of *Ranunculaceae* of medicinal interest; investigations on traditional uses of plants indigenous to Sicily; research on toxic plants of the indigenous and cultivated Sicilian flora.

SCIENTIFIC COLLABORATIONS:

Department of Ecological and Biological Sciences, University of Tuscia, Viterbo, Italy.

Department of Chemical, Biological, Pharmaceutical and Environmental Sciences, University of Messina, Italy.

Department of Health and Drug Sciences, University of Catania, Italy.

Wayne State University, Detroit, USA.

Department of Pharmacognosy, Faculty of Pharmacy, Medical University of Sofia, Bulgaria.

OTHER ACTIVITIES:

Organization of international scientific events

Component Organizing Committee of the 17th Italian-Latin American Congress of Ethnomedicine "Bernardino D'Ucria" (SILAE) September 16-21, Palermo (Sicily-Italy).

Component Organizing and Scientific Committee of the International Meeting "ADVANCES IN WILD AND CULTIVATED PLANTS - Plants and Fungi, as Sustainable Food and Source of Health Benefits" - October 21- 22, 2022, Corleone (Sicily-Italy).

Member Organizing and Scientific Committee of the 17th OPTIMA Meeting, September 20-23, 2023, Erice (Sicily-Italy).