

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name	VITO ARMANDO LAUDICINA	
Address	UNIVERSITA' DI PALERMO VIALE DELLE SCIENZE, EDIFICIO 4, PALERMO - 90128	
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E-mail	vitoarmando.laudicina@unipa.it	
Nationality	Italian	
Date of Birth	31/12/1971	
Gender	male	

WORK EXPERIENCE

- | | |
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| • Dates (from - to) | 15.01.2024 - today |
| • Name and address of the employer | University of Palermo – Department of Agricultural, Food and Forest Sciences |
| • Type of business or sector | Agricultural Chemistry (AGRI-06/B) |
| • Occupation or position held | Full professor |
| • Main activities and responsibilities | Research and teaching |
| • Dates (from - to) | 01.11.2019 – 14.01.2024 |
| • Name and address of the employer | University of Palermo – Department of Agricultural, Food and Forest Sciences |
| • Type of business or sector | Agricultural Chemistry (AGR/13) |
| • Occupation or position held | Associate professor |
| • Main activities and responsibilities | Research and teaching |
| • Dates (from - to) | 16.02.2005 – 31.10.2019 |
| • Name and address of the employer | University of Palermo – Department of Agricultural, Food and Forest Sciences |
| • Type of business or sector | Agricultural Chemistry (AGR/13) |
| • Occupation or position held | Researcher |
| • Main activities and responsibilities | Research and teaching |

EDUCATION AND TRAINING

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| • Dates (from - to) | 24.06.2008 – 07.11.2008 |
| • Name and type of organisation providing education and training | Scottish Crop Research Institute (Dundee, Scotland, UK) |
| • Principal subjects/occupational skills covered | Temperature sensitivity of key soil biological processes |
| • Title of qualification awarded | OECD fellowship |
| • Dates (from - to) | 01.10.2004 – 31.03.2005 |
| • Name and type of organisation providing education and training | Spanish Ministry of Foreign Affairs – University of Sevilla |
| • Principal subjects/occupational skills covered | Formas de carbono del suelo en ambiente semiaridos y sus implicaciones en el almacenamiento del CO ₂ atmosférico en el suelo |
| • Title of qualification awarded | Post Doc |

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

2000 – 2003
University of Palermo

Primary and secondary carbonates in forest soils: genesis and environmental importance

PhD in Pedology

- Dates (from - to)
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

1990 - 1998
University of Palermo

Bachelor in Agricultural Sciences

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE

OTHER LANGUAGES

ITALIAN

ENGLISH, SPANISH

SCIENTIFIC SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture an30sports), etc.

- Research interests (5 Key words): soil fertility, soil carbon dynamics, greenhouse gases emission, soil quality, urban and agro-industrial wastewater reuse, bio-based and biodegradable mulch films;
- Author of 120 publications on Scientific Journals;
- Lecturer in courses since 1994 (i.e. Agricultural chemistry, Soil fertility, Soil analyses, Soil quality bioindicators, Organic chemistry, Soil chemistry);
- Organizer and/or participant in numerous national and international conferences, also serving as invited speaker on several occasions;
- Supervisor of bachelor theses, master theses, PhD theses.

RELEVANT ROLES AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

- Coordinator of the Research Project of Relevant National Interest, call 2020 (Title of the project: Soil biodegradation of nutrients enriched cellulose- and chitosan-derived mulching films for sustainable horticulture – MULCHING);
- Coordinator of the project Protocolli operativi per la promozione del carbon farming in sistemi agricoli dell'ambiente semiarido Mediterraneo – PROCARBON; PNRR, mission 4, spoke 6;
- Team member of the Horizon 2020: Achieving wider uptake of water-smart solutions – Wider Uptake;
- Team member of the PON I&C 2017: Integrated approach for the development of innovative products in the leading sectors of the Sicilian agri-food sector (AO 5-6);
- Manager of the laboratories (2022-2024) at the Department of Agricultural, Food and Forest Sciences, University of Palermo, and scientific coordinator (since 2016) of the Agricultural Chemistry Laboratory;
- Coordinator of the Bachelor's and Master's degree courses in Agricultural engineering and forest sciences;
- Member of the PhD Board in Agriculture and Forest Biodiversity;
- Member of the Italian Society of Agricultural Chemistry;
- Member of the Italian Society of Soil Science;
- Member of the European Society for Soil Conservation.

PUBLICATION INDEXES (SCOPUS)

- NUMBER OF PUBLICATIONS: 120
- TOTAL NUMBER OF CITATIONS 2667
- H-INDEX: 31

**10 MOST RELEVANT
PUBLICATIONS**
In the last 5 years.

1. August et al., 2025. Widespread slow growth of acquisitive tree species. *Nature*, 640, 395–401;
2. Paliaga et al., 2025. Fertilizer enriched bio-based mulch films increase nitrogen and phosphorus availability and stimulate soil microbial biomass and activity. *Applied Soil Ecology*, 211, 106159;
3. Pampinella et al., 2025. Citrus wastewaters increase soil nitrate and improve nutrient translocation in a copper contaminated soil-lettuce (*Lactuca sativa* L.) system. *Science of The Total Environment*, 982, 179633;
4. Paliaga et al., 2025. Resource recovery from wastewater treatment: Effects of water reuse and slow-release fertilizers on faba bean within Palermo University (Italy) case study. *Journal of Environmental Management*, 373, 123839;
5. Muscarella et al., 2024. Water reuse of treated domestic wastewater in agriculture: Effects on tomato plants, soil nutrient availability and microbial community structure. *Science of the Total Environment*, 928, 172259;
6. Muscarella et al., 2023. Recovering ammonium by treated and untreated zeolitic mixtures: A comprehensive experimental and modelling study. *Microporous and Mesoporous Materials* 349, art. n. 112434;
7. Albert-Belda et al., 2022. Soil biogeochemistry and microbial community dynamics in *Pinus pinaster* Ait. forests subjected to increased fire frequency. *Science of the Total Environment*, 858, 159912;
8. Alfonzo et al., 2022. Cellulolytic bacteria joined with deproteinized whey decrease carbon to nitrogen ratio and improve stability of compost from wine production chain by-products. *Journal of Environmental Management*, 2022, 304, 114194;
9. Laudicina et al., 2021. Relief and calcium from gypsum as key factors for net inorganic carbon accumulation in soils of a semiarid Mediterranean environment. *Geoderma* 398, 115115;
10. Ioppolo et al., 2020. Wastewaters from citrus processing industry as natural biostimulants for soil microbial community. *Journal of Environmental Management* 273, 111137;

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Palermo, 03.12.2025

Signature

**Firmato digitalmente da: Vito
Armando Laudicina
Data: 03/12/2025 16:35:11**