



# Curriculum Vitae

## Europass



### 1. PERSONAL INFORMATION AND EDUCATION

#### Personal Information

Name	<b>Antonio Fiorentino</b>
Address	Dipartimento di Scienze e Tecnologie Ambientali Biologiche e Farmaceutiche - DiSTABiF Università degli Studi della Campania LUIGI VANVITELLI Via Vivaldi 43, I-81100, Caserta, Italy
Telephone	+39 0823 274576
Fax	+39 0823 274571
E-mail	<a href="mailto:antonio.fiorentino@unicampania.it">antonio.fiorentino@unicampania.it</a>
Nationality	Italian
ORCID ID	<a href="https://orcid.org/0000-0002-9439-7074">0000-0002-9439-7074</a>
Scopus Author ID	<a href="https://www.scopus.com/authid/detail.uri?authorId=7005112089">7005112089</a>
Web of Science ResearcherID	<a href="https://www.webofscience.com/webofscienceplatform/record/W-3531-2018">W-3531-2018</a>
IRIS	

#### Position Held

Full Professor in Organic Chemistry at Università degli Studi della Campania “Luigi Vanvitelli”  
Head of Dept of Environmental Biological and Pharmaceutical Sciences and Technologies

#### Employment History

Date	from October 29, 2015 do date
Position	Full Professor in Organic Chemistry - SSD CHIM/06
Name and Address of Employer	Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche – Università della Campania Luigi Vanvitelli (formerly Second University of Naples –SUN) Caserta
Date	from November 1 <sup>st</sup> , 2002 to October 28, 2015
Position	Associated Professor in Organic Chemistry - SSD CHIM/06
Name and Address of Employer	Facoltà di Scienze Matematiche, Fisiche e Naturali - Seconda Università degli Studi di Napoli Dipartimento di Scienze della Vita - SUN
Date	from November 1 <sup>st</sup> , 1995 to October 31, 2002
Position	Assistant Professor in Organic Chemistry - SSD CHIM/06
Name and Address of Employer	Facoltà di Scienze Matematiche, Fisiche e Naturali Seconda Università degli Studi di Napoli Dipartimento di Scienze della Vita - SUN

#### Education

Date	July 1994
Degree	PhD in Chemistry (SSD CHIM/06)
Title of the thesis	“Structure and reactivity of steroids and triterpenoids from plants with potential allelopathic activity”
University	University of Naples “Federico II”

<b>Professional Duties and Achievements</b>	
Date	from August 31, 2018 to date Director of Dipartimento di Scienze e Dipartimento di Scienze Ambientali Biologiche e Farmaceutiche (DISTABiF) dell'Università degli Studi della Campania "Luigi Vanvitelli"
Date	from December 31, 2018 to date Member of Academic Senate of Università degli Studi della Campania "Luigi Vanvitelli" years 2018/2021.
Date	from November 2016, to date Member of the Board of Directors of CRAA – Center for Applied Research in Agriculture.
Date	from October 31, 2016 to October 30, 2018 Component of National Scientific Qualification (art.16 of the law 30 December 2010, n.240) for the University Professor position recruitment (SC 03/C1 Organic Chemistry – 2016-2018).
Date	from December 22, 2015 to August 30, 2018 Vice-director of Dept Environmental Biological and Pharmaceutical Sciences and Technologies
Date	from November 20, 2015 al to July 23, 2018 Coordinator of the Degree Course in Pharmacy 2015.
Date	from november 2013 to November 2015 President of the Teacher-Student Parithetic Committee of the Dept. of Environmental Biological and Pharmaceutical Sciences and Technologies
Date	From July 19, 2013 to date Component of the Area Panel for the Research of the University for the Chemistry Area (03) since July 2013
<b>Scientific society</b>	
	SCI (Società Chimica Italiana) IAS (International Allelopathy Society) PSE (Phytochemical Society of Europe)

## 2. TEACHING ACTIVITY

<b>Teaching at BS and MS courses</b>	
Date	a.y. 2023/24 Organic Chemistry (15 CFU) for the MS degree course in Pharmacy
Date	from a.y. 1999/2000 to a.y. 2022/23 Basic and advanced courses within the S.S.D. CHIM/06 (Organic Chemistry, Natural Product Chemistry, Bio-organic Chemistry, General Chemistry, Organic Chemistry in Food) at the degree course in <i>Biological Sciences</i> , at BS courses in <i>Biological Sciences, Biotechnology</i> , and <i>Pharmaceutical Scientific Informant</i> , at MS courses in <i>Biology</i> , in <i>Industrial and Food Biotechnology</i> and at the MS course in <i>Pharmacy</i> .
<b>Teaching at PhD Courses</b>	
Date	from August 20, 2013 to date Advisory Board of the PhD course in "Biomolecular Sciences"
Date	from 2010 to 2012 Advisory Board of the PhD course in "Cell and Molecular Biology"
Date	from 1999 to 2009 Advisory Board of the PhD course in "Biological Processes and Biomolecules"

### 3. RESEARCH ACTIVITY

<b>Scientific production and impact</b>	<p>Publications in international scientific journals with <i>impact factor</i>: n. 199 Total citations: n. 5620 H-index: 42 Publications in the last 10 years; n. 63 Citations in the last 15 years: n. 2663 H-index in the last 15 years: 31</p>
<b>Research fields</b>	<p>The aim of the research activity has been the isolation, the spectroscopic characterization and the study of new bioactive natural compounds from plant organisms. In particular, it is proposed: a) to enhance knowledge on the bio and chemodiversity of Mediterranean plants, furnishing new data on their ecology, taxonomy, natural product content and bioactivity; b) to investigate the metabolic profiling of foon and officinal plants evaluating and valorizing their nutraceutical and neuro-nutraceutical potential; c) to develop standardized prategies and protocols useful to verify the pharmacological, nutraceutical or herbicide potential of natural products; d) to contribute to the rational chemical design of new drugs or ecofriendly pesticides furnishing lead compounds that could be modified by semisynthesis; e) to contribute to the comprehension the role of secondary metabolites in plant-plant interactions, both in natural or manmade ecosystems. Biotransformation of exogenous substrates by microorganism cultures, as well as studies on degradation, stabilization, and valorization of wastewaters from agro-alimentary industry led to good results and developments in obtainin products of industrial interest.</p>
<b>Research projects</b>	<p>2023 Principal investigator of the project PRIN-PNRR 2022 SMALL - Small Molecule Anticancer Ligands Library from mediterranean plants (MUR)</p> <p>2022 Participant to the project KEDRION - Sviluppo di un nuovo concentrato di Fattore V plasma derivato come farmaco orfano per la terapia della paraemofilia. (MISE)</p> <p>2020 Responsable OR2 of the project PON-MUR "Sviluppo di Nutraceutici da Fonti Naturali – BIONUTRA" PON Ricerca e Innovazione 2014-2020 ARS01_01166 - MUR. Progetti di ricerca industriale e sviluppo sperimentale, area di specializzazione "Agrifood", ID ARS01_01166</p> <p>2020 Participant to the project NUTRABEST - Sviluppo di piattaforme molecolari e cellulari per l'identificazione di prodotti innovativi ad attività NUTRAceutica da Biotrasformazioni mediante organismi ESTremofili (MISE)</p> <p>2019 Principal Investigator and Leader of the project NATURA LATTEA - PSR Campania 2014/2020. Tipologia di intervento 16.1.1 "Sostegno per la costituzione e il funzionamento dei Gruppi Operativi del PEI in materia di produttivita' e sostenibilita' dell'agricoltura" - Bando 16.1 azione 2 "Sostegno ai Progetti Operativi di Innovazione (POI)". Focus Area 3A</p> <p>2019 Principal Investigator of the project GRANATUM - PSR Campania 2014/2020. Tipologia di intervento 16.1.1 "Sostegno per la costituzione e il funzionamento dei Gruppi Operativi del PEI in materia di produttivita' e sostenibilita' dell'agricoltura" - Bando 16.1 azione 2 "Sostegno ai Progetti Operativi di Innovazione (POI)". Focus Area 3A</p> <p>2019 Scientific Responsible of the research unit of the project DICOVALE - Diversità, conservazione e valorizzazione delle specie legnose da frutto autoctone campane. Programma di Sviluppo Rurale Campania 2014 - 2020. Misura10 -Pagamenti agro - climatico - ambientali Sottomisura 10.2 - Sostegno per la conservazione - uso e sviluppo sostenibile delle risorse genetiche in agricoltura. Tipologia di intervento 10.2.1 - Conservazione delle risorse genetiche autoctone a tutela della biodiversità - sotto intervento RGV RISORSE GENETICHE VEGETALI.</p>

2018	Participant to the project: "Identificazione, Caratterizzazione e Significato Della Tumorigenesi Nel Colon-Retto: Causa, Prevenzione e Cura – ICURE". POR Campania FESR 2014/2020 Manifestazione di Interesse per la Realizzazione Di Technology Platform nell'ambito della Lotta alle Patologie Oncologiche - DD DG 50-10 N 355 DEL 05/06/2017.
2018	Scientific Responsible of the RU of the research group of the University od Campania L. Vanvitelli of the project entitled: <i>SIMS - Sviluppo e Industrializzazione di integratori personalizzati per le Maculopatie Senili</i> - POR FESR CAMPANIA 2014/2020 - O.S. 1.1 - Progetti di trasferimento tecnologico (Fase 2) coerenti con la RIS 3
2013	Participant to the industrial research project PON01_01226 NUTRAFAST: "Dal nutraceutico al farmaco per strategie integrate".
2013	Participant to the research project POR Campania FERS 2007-2013 -O.O. 2.1 – RETE DELLE BIOTECNOLOGIE IN CAMPANIA - entitled "Bio Industrial Processes (BIP).
2013	Participant to the research project POR Campania FESR 2007–2013 -O.O. 2.1 – RETE DELLE BIOTECNOLOGIE IN CAMPANIA - entitled "Farmabionet Rete integrata per le biotecnologie applicate a molecole ad attività farmacologica"
2014	Scientific Responsible of the project entitled "metabolomic characterization and valorization of olive cultivars of PNCVD" II phase, founded by Ente Pubblico Parco Naz. del Cilento e di Vallo di Diano
2014	Participant to the project CAMPUS - Introduzione e valorizzazione di alimenti salutistici e razionalizzazione produttiva nelle filiere tradizionali della Regione Campania finanziato dal POR CAMPANIA FESR 2007-2013
2012	Scientific Responsible of the project entitled "metabolomic characterization and valorization of olive cultivars of PNCVD" founded by Ente Pubblico Parco Naz. del Cilento e di Vallo di Diano..
2010	Participant to the project "Check-list dei macromiceti del Parco Nazionale del Cilento e Vallo di Diano" founded by Ente Pubblico Parco Naz. del Cilento e di Vallo di Diano.
2005	Participant to the Regional project (Legge 5 Campania, Italy) "Study of the effects of pollutants on the soil activity of Caserta".
2004	Scientific responsible of the reseach group of SUN for the project PRIN founded by MIUR (Ministry of University and of the Research) "Ecotoxicity of drugs and their biotic and abiotic transformation products".
2002	Participant to the project PRIN founded by MIUR "Presence of drugs in effluents of depuration plants and in surface waters: Monitoring, ecotoxicity evaluation and remediation processes.
2002	Scientific responsible of the workpackage: "Characterization of macro and micro-nutrients for the quality certification of Annurca apple" in the framework or the project: " <i>Annurca apple for industry</i> ". Regional Competence Center: Agrifood productions.
2000	Scientific responsible of the reseach group of SUN for the project PRIN founded by MIUR "Toxicity of the organic components of olive oil mill wastewaters".
2000	Participant to the project "Eco-friendly recovery and disposal of phenol residues of agro-alimentary industry by chemical and biological processes" in the framework of the financial incentives aimed at supporting local development (Law 488/1992)
1999	Participant to the project PRIN founded by MIUR "Isolation, characterization, clonation and expression of Ribosome-Inactivating Proteins (RIPs)".
1999	Participant to the interregional project POM B11: Technologic innovations for improvement and the valorization of the Italian dried fig".
1998	Participant to the project PRIN founded by MIUR "Phytotoxic aromatic compounds from agroalimentary wastes. Action on seed germination and seedling growth".
1997	Participant to the project PRIN founded by MIUR "Determination of primary structure of Ribosome-Inactivating Proteins, RIPs)".

## Editorial Board of scientific journals

Editorial Board of the journal *Food Research International* (Elsevier, ISSN 0963-9969) from 01/2012 to 12/2018.

Editorial Board of the journal *The Open Food Science Journal* (Bentham, ISSN 1874-2564) from 07/2007 to 12/2014

Editorial Board of the journal *The Open Natural Product Journal* (Bentham, ISSN 1874-8481) from 01/2008 to 10/2013

Editorial Board of *Journal of Allelochemical Interactions* of the *International Allelopathy Society*.

### Congresses

over 150 oral and poster communications to national and international scientific congresses; invited speaker to National and International Congresses

### International collaborations

US Department of Agriculture – Missisipi (USA)

University of Leiden (Olanda)

Universidad de Cadiz (Spagna)

Universidad de Vigo (Spagna)

King's College of London – Randall Division

WALA Heilmittel GmbH (Germania)

Christian-Albrechts-Universität zu Kiel (Germania)

Université de Bejaia (Algeria)

Karl-Franzens University Graz (Austria)

Max-Plank Institute for Chemical Ecology Jena (Germania)

Université Frères Mentouri Constantine (Algeria)

Caserta, October 1<sup>st</sup>, 2023

[Publication list](#)