

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **AVELLONE, Giuseppe**
Address **32, via Archirafi, 90123, Palermo, Italy**
Telephone **09123891950** Mobile [REDACTED]
Fax
E-mail **beppe.avellone@unipa.it**
Nationality Italy
Date of Birth [REDACTED]
Gender [REDACTED]

WORK EXPERIENCE

- Dates (from - to) 07/10/2022 -today
- Name and address of the employer University of Palermo Dip. STEBICEF
- Type of business or sector Food chemistry & Mass spectrometry applications (CHIM/10)
- Occupation or position held Associate Professor -Food chemistry (CHIM/10).
- Main activities and responsibilities Associate Professor SSD Food Chemistry (CHIM / 10) at the University of Palermo. He currently carries out his research and teaching activities at the Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF) in the field of Food Science. Having acquired and matured considerable skills over the years in the field of mass spectrometry and its applications (GC / MS, LC / MS, MALDI / MS, etc) in addition to the knowledge of the most common and/or innovative extraction techniques. Prof. Avellone has undertaken various lines of research applied to food, and food matrices, especially in determining contaminants and xenobiotics in agro-food products and by-products of the agro-food industry, thus being able to summarize the activities in the food chemistry & mass spectrometry applications. In addition, other applications fall within the scope of environmental science and technology, always with the aid of mass spectrometry, using qualitative and quantitative analytical methods
The fruit of this scientific activity sees Prof. Giuseppe Avellone author of:
80 articles in international scientific journals, of which 70 with Impact Factor (source Scopus and WoS)

PUBLICATION INDEXES

2 chapters in a book with national circulation;
75 communications at national and international conferences.
By Scopus: 1.318 Citations and 20 h-index.
All publications can be found on Scopus at this link:
<https://www.scopus.com/authid/detail.uri?authorid=7004436466>
Scopus ID: 7004436466

RESPONSIBILITIES

Head of Lab .Mass Spectrometry of Dip. STEBICEF and Head of Lab. Mass Spectrometry of Aten Center both of them of University of Palermo.

EDUCATION AND TRAINING

- Dates (from - to) 1999 - gets the PhD degree in Pharmaceutical Sciences (X Cycle)

- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

1988 -1994 University of Palermo gets the degree in "Pharmaceutical chemistry", July 1994
 2003-today University of Palermo, Professor in numerous national degree courses, masters and training courses, and specialization schools; member of the teaching staff of national and international Ph.D.

Food chemistry and Mass spectrometry applications specially in Food Science and Environmental

Associate Professor-Food chemistry (CHIM/10).

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PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas..

fire-fighting expert and first aid course

MOTHER TONGUE
 OTHER LANGUAGES

ITALIAN
ENGLISH

SOCIAL 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 and sports), etc.

He has a wide relationship skills and has always carried out his research activity in groups with Italian and foreign colleagues. For many years he has been able to coordinate work groups and manage research and laboratory activities, especially in the field of food chemistry and the circular economy. Sports enthusiast: costal rowing, Tennis, Male artistic gymnastics, snorkeling; his cultural passions are art history and contemporary art.

ORGANISATIONAL SKILLS AND COMPETENCES

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

Scientific responsibility of international and national research projects and research conventions, always in the field of food chemistry and mass spectrometry.

2020-2023 Scientific coordinator of activities at Aten Center for the Project n. 08TP1041100162 - title "Nutraceuticals and Health Foods" (Acronym TRIAL) - CUP G48I18001120007;

- that the PROMISE Department of the University of Palermo is a partner of the aforementioned project and will develop the research activities of the aforementioned project also through the staff working at the PROMISE Department;

- that the PROMISE Department approved with decree n. 69 of 14/11/2019 the Project Action 1.1.5 of the OP FESR SICILIA 2014-2020 - CUP code G48I1800112000 Scientific Responsible, Prof. Maurizio Averna, and has accepted the related funding with a share of 1,577,558.18 euros;

- that ATeN Center is a partner of the aforementioned project and will develop research and analysis activities using its own equipment and laboratories with particular reference to the Mass Spectrometry laboratories;

2019-2022 Scientific coordinator of phase 1 activity of SMILING project POFESR2014-20_Sicilia - Regione Siciliana - PO FESR 2014-2020 2017 CoSMetics from the vineyard branch

Nicola bioloGica - SMILING Scientific director of the project, Vincenzo Arizza at the STEBICEF Department, University of Palermo Cod -Prog. 27384 2017-NAZ-0246.

Activities to be carried out at the ATeN Center of the University of Palermo.

2018-2020 Scientific coordinator of the Scientific Collaboration Convention entitled:

"Study and characterization of organic contaminants (POPs) in water, biota, food, sediments, and soils" agreement between the IAMC-CNR and the STEBICEF Department of the University of Palermo.

IRIS ID: 2018-COMM-0050

2018-2020 Scientific coordinator of the Scientific Collaboration Convention entitled:

Scientific coordinator of the 2018 Scientific Collaboration Convention "Development and validation of non-target / multi-target methods for the identification and determination of substances for poly-fluoroalkyls (PFAS) in the chain, for the purpose of risk assessment"

The Ministry of Health - General Secretariat, ex DSVET with note prot. n. 18913-P of 09/08/2017 authorized the IZS Sassari Lead Partner Institute

IRIS ID: CON-0030

From 2013-2016 Scientific Head of the Unit of the Department of Molecular and Biomolecular Sciences and Technologies (STEMBIO) University of Palermo of the SIGLOD project Intelligent System to support the management and localization of waste dumps "PON Research and competitiveness 2007-2013. AXIS II and AXIS III D.D. Smart cities and communities and social innovation.

2013-2016 Scientific director of the C.O.R.I. 2013 entitled: Characterization of olive oils through mass spectrometry methodologies (LC-MS / MS and GC / MS) for the determination of nutritional health components.

Collaboration with the Mass Spectrometry Laboratory, Institute of Organic Chemistry, Research Center for Natural Sciences of the Hungarian Academy of Sciences. Budapest - Hungary International Cooperation for Training and Research Research and Development Area - University of Palermo

AA. 2013/14 Coordinator of didactic activities; (282 h) Training project PONA3_00273 / F1 "Mediterranean Center for Human Health Advanced Biotechnologies" (Med-CHHAB), Objective 4: "Mass spectrometry methodologies and applications NATIONAL OPERATIONAL PROGRAM - "RESEARCH AND COMPETITIVENESS" 2007/2013. Axis I - SUPPORT FOR STRUCTURAL CHANGES. Operational Objective 4.1.1.4 - I Action. PROJECT Mediterranean Center for Advanced Biotechnologies for Human Health (Med-CHHAB). (Project Identification Code: PONA3_00273 - MIUR Notice D.D. n. 254 / Ric dated 18/05/2011): Coordination of didactic activities, Member of commissions for: selection of external teachers; selection selection trainees,

2013-2016: Research project "Di.Me.Sa." Enhancement of typical products of the Mediterranean Diet and their use for health and nutraceutical purposes. PON R&C 2007-2013 Notice Prot. N. 713 / Ric. Axis I - I Action Development / Strengthening of High Technology Districts PON02_00667 - PON02_00451_3361785 AgroBio Technological District and environmentally friendly Fishing S.C.a R.L. 1.2 Sector / Field: HUMAN HEALTH AND BIOTECHNOLOGIES / AGRI-FOOD.

TECHNICAL SKILLS AND COMPETENCES

*With computers, specific kinds of
equipment, machinery, etc.*

He has extensive experience in the management and maintenance of scientific instrumentation especially mass spectrometers and chemical laboratory equipment.

MOST RELEVANT PUBLICATIONS

1. Pagliaro, Mario; Lino, Claudia; Pizzone, Daniela Maria; Mauriello, Francesco; Russo, Mariateresa; Muscolo, Adele; Ciriminna, Rosaria; Avellone, Giuseppe
Amino Acids in New Organic Fertilizer AnchoisFert
ChemistrySelectVolume 7, Issue 4719 December 2022 Article number e202203665
2. Indelicato, Serena; Di Stefano, Vita; Avellone, Giuseppe; Piazzese, Daniela; Vazzana, Mirella; Mauro, Manuela; Arizza, Vincenzo; Bongiorno, David
HPLC/HRMS and GC/MS for Triacylglycerols Characterization of Tuna Fish Oils Obtained from Green Extraction.
FoodsOpen AccessVolume 12, Issue 6March 2023 Article number 1193
3. Gambino, Giuditta; Giglia, Giuseppe.; Allegra, Mario; Di Liberto, Valentina; Zummo, Francesco Paolo; Rappa, Francesca; Restivo, Ignazio; Saiano, Filippo; Palazzolo, Eristanna; Avellone, Giuseppe; Ferraro, Giuseppe
Golden" Tomato Consumption Ameliorates Metabolic Syndrome: A Focus on the Redox Balance in the High-Fat-Diet-Fed Rat.
AntioxidantsOpen AccessVolume 12, Issue 5May 2023 Article number 1121
4. Bongiorno, David, Di Stefano, Vita ;Indelicato, Serena; Avellone, Giuseppe; Ceraulo, Leopoldo
Bio-phenols determination in olive oils: Recent mass spectrometry approaches
Mass Spectrometry ReviewsOpen AccessVolume 42, Issue 4, Pages 1462 - 1502July/August 2023.
5. Giosuè C., D'Agostino F, Maniaci, . Avellone G., Sciortino M., De Caro, V., Bonanno A., Ponte, M., Alabiso M., Di Grigoli, A.. Persistent Organic Pollutants and Fatty Acid Profile

- in a Typical Cheese from Extensive Farms: First Assessment of Human Exposure by Dietary Intake. *Animals*, 12(24), 3476 (2022).
6. Bongiorno D., Ceraulo, L., Di Stefano V., Avellone G., Indelicato S., Total petroleum hydrocarbons (TPH) determination in surfactant stabilized marine water emulsions *Arkivoc Volume 2022*, 2, 180 – 190 (2022).
 7. Hannachi A., Nasri A., Allouche M., Aydi A., Mezni A., D'Agostino F., Avellone, G., Gambi C., Beyrem H., Mahmoudi E.. Diuron environmental levels effects on marine nematodes: Assessment of ecological indices, taxonomic diversity, and functional traits. *Chemosphere* 287 -132262 (2022).
 8. D'Agostino F., Avellone, G., Ceraulo L., Di Stefano, V., Indelicato S., La Pica L., Morici S., Vizzini, S., Bongiorno, D.. Groundwater of Sicily (Italy) Close to Landfill Sites: Quality and Human Health Risk Assessment. *Exposure and Health* 13-3 535 – 550 (2021).
 9. Messina C.M., Espinosa Ruiz, C., Regoli F., Manuguerra S., D'Agostino, F., Avellone G., Sprovieri M., Santulli A.. BDE-47 exposure modulates cellular responses, oxidative stress and biotransformation related-genes in *Mytilus galloprovincialis*. *Fish and Shellfish Immunology* 107, 537 – 546(2020).
 10. Sancataldo G., Avellone G., Vetri V.. Nile Red lifetime reveals microplastic identity. *Environmental Science: Processes and Impacts*. 22 -11, 2266 – 2275, (2020).
 11. D'Agostino F., Bellante A., Quinci E., Gherardi S., Placenti F., Sabatino N., Buffa G., Avellone, G., Di Stefano V., Del Core, M.. Persistent and Emerging Organic Pollutants in the Marine Coastal Environment of the Gulf of Milazzo (Southern Italy): Human Health Risk Assessment. *Frontiers in Environmental Science* 818, 117 (2020).
 12. Bongiorno, D., Di Stefano, V., Indelicato, S., Avellone, G., Ceraulo, L. (2021). Phenols determination in olive oils: Recent mass spectrometry approaches. *Mass Spectrometry Reviews*, e21744.
 13. Indelicato S., Orecchio S., Avellone G., Bellomo S., Ceraulo L., Di Leonardo R., Di Stefano V., Favara R., Candela E. G., la Pica L., Morici S., Pecoraino G., Pisciotta A., Scaletta C., Vita F., Vizzini S., Bongiorno D Effect of solid waste landfill organic pollutants on groundwater in three areas of Sicily (Italy) characterized by different vulnerability. *Environ Sci Pollut Res* 24, 16869–16882 (2017)
 14. Indelicato S., Bongiorno D., Pitonzo R., Di Stefano V., Calabrese V., Indelicato S., Avellone G. Triacylglycerols in edible oils: Determination, characterization, quantitation, chemometric approach and evaluation of adulterations. 2017. *Journal of Chromatography A* 1515, 1-16; ISSN:0021-9673
 15. Avellone G., Salvo A., Costa R., Saija E., Bongiorno D., Di Stefano V., Calabrese G., Dugo G. Investigation on the influence of spray-drying technology on the quality of Sicilian Nero d'Avola wines. 2018. *Food Chemistry* 240, 222-230;
 16. Ciriminna R., Bongiorno D., Scurria A., Danzi C., Timpanaro G., Delisi R., Avellone G., Pagliaro M. Sicilian *Opuntia ficus-indica* seed oil: Fatty acid composition and bio-economical aspects. 2017. *European Journal of Lipid Science and Technology* 119, 11, 1700232;
 17. Ciriminna, R., Bongiorno, D., Scurria, A., Danzi, C., Timpanaro, G., Delisi, R., **Avellone, G ***, Pagliaro, M. Sicilian *Opuntia ficus-indica* seed oil: Fatty acid composition and bio-economical aspects (2017) *European Journal of Lipid Science and Technology*, 119 (11), art. no. 1700232. ISSN:1438-7697 DOI: 10.1002/ejlt.201700232
 18. Pecoraino, G., Scalici, L., **Avellone, G.**, Ceraulo, L., Favara, R., Candela, E.G., Provenzano, M.C., Scaletta, C. Distribution of volatile organic compounds in Sicilian groundwaters analysed by head space-solid phase micro extraction coupled with gas chromatography mass spectrometry (SPME/GC/MS) (2008) *Water Research*, 42 (14), pp. 3563-3577. ISSN:0043-1354. DOI: 10.1016/j.watres.2008.07.022.

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

Palermo, 20/11/2023

Prof. Giuseppe Avellone



