

CURRICULUM VITAE

Personal Information

Last Name	ATTANZIO	
First Name	ALESSANDRO	
Contact	09123862434	EMAIL: alessandro.attanzio@unipa.it

Current Position

2024- Associate Professor in the S.S.D. BIOS-07/A “Biochemistry” at the Department of Biological, Chemical and Pharmaceutical Sciences and Technologies, University of Palermo.

Education

2012- PhD in Pharmaceutical Sciences with a dissertation entitled: “*The Phytochemical Indicaxanthin Prevents Oxidative Stress, Cell Cycle Arrest, and 7-Ketocholesterol-Induced Apoptosis in Cultured Human Monocyte-Derived Macrophages.*” Department of Molecular and Biomolecular Sciences and Technologies, Section of Pharmaceutical and Biological Chemistry – University of Palermo.

2008- Licensed Biologist – Authorized to practice the profession of Biology.

2008- Master’s Degree in Biomedicine (Class 6/S, Specialized Degrees in Biology) – Graduated with **110/110 cum laude**, with a thesis entitled: “*Effects of Camptothecin on Human Osteosarcoma MG-63 Cells*” – University of Palermo.

2005- Bachelor’s Degree in Biological Sciences, Biosanitary Curriculum (Class 12, Degrees in Biological Sciences) – Graduated with **110/110 cum laude**, with a thesis entitled: “*Biomolecular Investigations on Salmonella Strains Isolated from Food with Reference to Antibiotic Resistance*” – University of Palermo.

Research Areas

Assessment of the Biological Effects of Natural and Synthetic Molecules on Cell Cultures, with particular focus on apoptotic, inflammatory, and eryptotic mechanisms. Scientific collaborations with multiple national and international research groups.

Editorial Activities

Editorial Board - International Journal of Molecular Sciences.

Topic Editor of Molecules.

Guest Editor - International Journal of Molecular Sciences - Special Issue on “The Role of Phytochemicals in Neurological Disorders”.

Guest Editor - Nutraceuticals - Special Issue on “Pigments in Food: Chemistry, Biological Activities and Therapeutical Potential of a Rainbow for Human Health”.

Guest Editor - Molecules - Special Issue on “Cytotoxic Activity of Plant Extracts – 2nd Edition”.

Guest Editor - Molecules - Special Issue on “Natural Products: Biological and Pharmacological Activity”.

Guest Editor - Cells - Special Issue on “Cellular Senescence in Age-Related Diseases: Molecular Bases and Therapeutic Interventions II”.

Guest Editor - International Journal of Molecular Sciences - Special Issue on “Molecular Research on Eryptosis”.

Guest Editor - Beverages - Special Issue on “Fruit Juices: Technology, Chemistry, and Nutrition 2.0”.

Editorial

Attanzio A, Garcia-Llatas G, Cilla A

Fruit Juices: Technology, Chemistry, and Nutrition 2.0. *Beverages*. **2022**. ISSN: 23065710 doi: 10.3390/beverages8020026

Guest Editor - Frontiers in Cellular Neuroscience - Special Issue on “Cellular Stress Response and Inflammation: Novel Actors and Strategies For Neuroprotection in Aging, Neurodegenerative Disorders and Longevity”.

Guest Editor - Cells - Special Issue on “Cellular Senescence in Age-Related Diseases: Molecular Bases and Therapeutic Interventions”.

Editorial

Buoso E, **Attanzio A**, Biundo F

Cellular Senescence in Age-Related Diseases: Molecular Bases and Therapeutic Interventions. *Cells*. **2022**. ISSN: 20734409 doi: 10.3390/cells11132029

Guest Editor - Oxidative Medicine and Cellular Longevity - Special Issue on “New Therapeutic Approaches against Inflammation and Oxidative Stress in Neurodegeneration”.

Editorial

Buoso E, Biundo F, **Attanzio A**

New Therapeutic Approaches against Inflammation and Oxidative Stress in Neurodegeneration. *Oxidative Medicine and Cellular Longevity*. **2022**. ISSN: 19420900 doi: 10.1155/2022/9824350

Guest Editor - Molecules - Special Issue on “Cytotoxic Activity of Plant Extracts”.

Guest Editor - Beverages - Special Issue on “Fruit Juices: Technology, Chemistry, and Nutrition”.

Lead Guest Editor - Oxidative Medicine and Cellular Longevity - Special Issue on “Oxidative Stress and Cognitive Function: Focus on the Interplay between Immune and Nervous System in Neurodegenerative Diseases”.

Guest Editor - Journal of Food Quality - Special Issue on “Fruit and Vegetable Derived Waste as a Sustainable Alternative Source of Nutraceutical Compounds”.

Editorial

Attanzio A, Tesoriere L, Poojary M.M, Cilla A

Fruit and Vegetable Derived Waste as a Sustainable Alternative Source of Nutraceutical Compounds. *Journal of Food Quality*. **2018**. ISSN: 01469428 doi: 10.1155/2018/8136190

Patents and Spin-Off Ownership

Founding Member of the Academic Spin-Off MEDCHEMBIO SICILY S.R.L.

Granted Patent for Industrial Invention entitled: “*Composition Comprising Indicaxanthin for the Prevention and Treatment of Type 2 Diabetes Mellitus, Obesity, Oxidative Stress, and Inflammatory Diseases*” – No. 102021000015167. **Inventors:** Mario Allegra, Antonella Amato, Alessandro Attanzio, Flavia Mulè, Simona Terzo, Luisa Tesoriere.

Granted Patent for Industrial Invention entitled: “*Process for the Purification of Impure Manna and Obtaining Enriched Manna, and Its Use*” – No. 102015000061706. **Inventors:** Alessandro Attanzio, Luisa Tesoriere, Maria Antonia Livrea.

National and International Awards and Recognitions for Research Activities

THEOPHRASTOS AWARD, International Foundation Pro Herbario Mediterraneo, for biochemical and molecular nutraceutical studies on organic products extracted from Mediterranean plants, particularly for developing purification methodologies for impure manna obtained from incisions of trunks and branches of cultivated species and varieties of the genus *Fraxinus* (Oleaceae).

Organization or Participation as Speaker at Scientific Conferences and Congresses in Italy and Abroad

Speaker and member of the organizational and scientific committees of various national and international conferences and congresses.

Participation in Research Projects

Assignment for Industrial Research and/or Experimental Development under the PON Project F/250008/01-04/X50 entitled “*SCORELINE – Efficient Use of By-Products in Olive and Wine Enterprises*”, CUP: B79J23000020005 – PRJ-0413.

Assignment for Industrial Research and/or Experimental Development under the PON Project ARS01_00432 entitled “*PROGEMA – Green Processes for the Extraction of Active Compounds and the Purification of Waste and Non-Waste Matrices*”, CUP: B66C18000280005, RNBA-COR 597051.

Participation in Final PhD Examination Committees as an International Member

International Member of the Examination Committee for the **PhD in Food Science** – Department of Preventive Medicine and Public Health, Food Science, Toxicology and Forensic Medicine, Faculty of Pharmacy, University of Valencia, for the evaluation of the doctoral thesis presented by Gabriel López García, entitled “*Bioactivity in Systemic and Intestinal Therapeutic Targets of a Functional Beverage Containing β -Cryptoxanthin, Plant Sterols, and Galactooligosaccharides.*”

International Member of the Examination Committee for the **PhD in Food Science** – Department of Preventive Medicine and Public Health, Food Science, Toxicology and Forensic Medicine, Faculty of Pharmacy, University of Valencia, for the evaluation of the doctoral thesis presented by Andrea Alvarez-Sala Martin, entitled “*Bioavailability and Biological Effects of Sterols in Functional Beverages.*”

Scientific Publications

Scopus page <https://www.scopus.com/authid/detail.uri?authorId=55312200300>
h-index: 30; Documents: 79 Citations: 2140