

**PERSONAL INFORMATION**

**Maria Grazia Melilli**

Affiliation National Research Council (CNR) Institute of Biomolecular Chemistry  
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 Email Address: [mariagrazia.melilli@cnr.it](mailto:mariagrazia.melilli@cnr.it) Tel: +39 095/7338318  
 Sex: Female Date of birth: 05/12/1975 Nationality: Italy



**CURRENT POSITION**

Senior researcher CNR-ICB- Catania

**RESEARCH FIELD (MAX 1000 characters space included)**

Valorisation and characterization of typical Mediterranean germplasm for food a no food applications/Recovery of molecules from agricultural wastes for food fortification/Novel Foods/Antioxidants/Fructans

**WORK EXPERIENCE**

from 02/10/2023- To date

**Senior researcher**

CNR-ICB- Catania  
 Valorisation and characterization of typical Mediterranean germplasm for food a no food applications/Novel Foods/Nutraceuticals

from 01/01/2021- to 01/10/2023

**Senior researcher**

CNR-IBE- Catania  
 Valorisation and characterization of typical Mediterranean germplasm for food a no food applications/Novel Foods/Nutraceuticals.

01/12/2020- to 30/11/2020

**Researcher**

CNR-IBE- Catania  
 Valorisation and characterization of typical Mediterranean germplasm for food a no food applications/Novel Foods/Nutraceuticals

from 01/03/2014- to 30/11/2020

**Head of Section of Catania**

CNR-ISAFOM- Catania  
 Administrative management of the unit, personnel management, security, Chemical Lab Direction

from 01/09/2011- to 30/11/2020

**Researcher**

CNR-ISAFOM- Catania  
 Valorisation and characterization of typical Mediterranean germplasm for food a no food applications. Supervisor of 3 PhD at the University of Foggia, 2 in Food innovation and management of food with high health value and 1 in 2 Translational medicine and foods: innovations, safety and management. She is tutor of 5 Internship at the University of Catania. PI in 2 national funded project, Leader of WP in 3 national funded project participant in 15 public funded projects and 8 research contracts with companies/universities.

**EDUCATION AND TRAINING**

2000 - 2003

**PhD in Crop Productivity curriculum Biology of Mediterranean species**

University of Catania (Italy)  
 Variabilità del contenuto di inulina negli organi delle piante del genere Cynara, in relazione a fattori genetici, ambientali e tecnici

Feb 2003 - Giu 2003

**Visiting Scientist**

Catholic University of Leuven (Belgium) Faculty of Science, Molecular Physiology of Plants and Micro-organisms Section - Molecular Plant Physiology Lab

2002

**Preliminary English Test**

University of Cambridge

1999

**Degree in Food Science and Technology cum laude**

University of Catania

**PERSONAL SKILLS**

Mother tongue  
 Other language

Italian  
 English

**ADDITIONAL INFORMATION**

Publications and main indexes

Total number of publications in peer-review journals: 86  
 H-Index: 17 (Scopus);  
 Google Scholar Page: <https://scholar.google.com/citations?hl=it&user=g5W0TJIAAAAJ>  
 Scopus: <https://biblioproxy.cnr.it:2301/authid/detail.uri?authorId=6506744352>  
 Publons: <https://publons.com/researcher/3362469/maria-grazia-melilli/>

Relevant publications for the call (max 5)

- Cardullo, N.; Muccilli, V.; Di Stefano, V.; Bonacci, S.; Sollima, L.; Melilli, M.G. (2022) Spaghetti Enriched with Inulin: Effect of Polymerization Degree on Quality Traits and  $\alpha$ -Amylase Inhibition. *Molecules*, 27, 2482.
- Di Stefano, V., Pagliaro, A., Del Nobile, M.A., Conte, A., and Melilli, M.G. (2021). Lentil Fortified Spaghetti: Technological Properties and Nutritional Characterization. *Foods* 10.
- Garbetta, A., D'Antuono, I., Melilli, M.G., Sillitti, C., Linsalata, V., Scandurra, S., and Cardinali, A. (2020). Inulin enriched durum wheat spaghetti: Effect of polymerization degree on technological and nutritional characteristics. *J. Funct. Foods* 71, 104004.
- Melilli, M.G., Pagliaro, A., Scandurra, S., Gentile, C., and Di Stefano, V. (2020). Omega-3 rich foods: Durum wheat spaghetti fortified with *Portulaca oleracea*. *Food Biosci.* 37, 100730.
- Di Stefano, V., Pitozco, R., Novara, M.E., Bongiorno, D., Indelicato, S., Gentile, C., Avellone, G., Bognanni, R., Scandurra, S., and Melilli, M.G. (2019). Antioxidant activity and phenolic composition in pomegranate (*Punica granatum L.*) genotypes from south Italy by UHPLC-Orbitrap-MS approach. *J. Sci. Food Agric.* 99, 1038-1045.

Presentations at conferences

Over 30 oral presentations on Food and Nutraceuticals related topics at national and international conferences.

Main projects with interest for the call (last 5 years)

- 2022- today PNRR Partenariato Esteso 10- Modelli per un'alimentazione sostenibile "ONFOODS Research and innovation network on food and nutrition. Sustainability, Safety and Security - Working ONFOODS" - Spoke 4 Food Quality and Nutrition.
- 2021- today ALIFUN Sviluppo di alimenti funzionali per l'innovazione dei prodotti alimentari di tradizione italiana. Ruolo svolto: Responsabile Unità Operativa Tipologia finanziamento: DD 1735 del 13 luglio 2017 del PNR 2015-2020.
- 2021- today SIPROFF Soluzioni innovative per la produzione e valorizzazione di Prodotti da forno funzionali Ruolo svolto: Responsabile Unità Operativa Tipologia finanziamento P.O. FESR SICILIA 2014/2020; Azione 1.1.5 - Sostegno all'avanzamento tecnologico delle imprese attraverso il finanziamento di linee pilota e azioni di validazione precoce dei prodotti e di dimostrazione su larga scala
- 2019-today NUTR-AGE Nutrizione, Alimentazione e Invecchiamento Attivo. FOE CNR DISBA
- 2018-2020 BRESOV Accordo di Collaborazione scientifica con l'Università di Catania Di3A nell'ambito del Progetto EU "H2020 - project 77424-Breeding for Resilient, Efficient and Sustainable Organic Vegetable production
- 2018 BOOMERANG Healthier bio-fortified Mediterranean grains PRIMA Call for Section 2. Multi-topic 2018 Topic 1.3.1. Valorizing food products from traditional Mediterranean diet. Type of Action Research and Innovation Action (RIA) (*approved*)

Honours and awards

L'Oréal Italy for women and science edition 2005 with the collaboration of the Italian National Commission for UNESCO"

Memberships and managerial activities

Member of the teaching staff of the Ph.D. in Innovation and Management of foods with a high health effect. University of Foggia XXX; XXXI and XXXII courses  
 Supervisor of 2 Ph.D. thesis in Innovation and Management of foods with a high health effect. University of Foggia XXX and XXXI courses  
 Supervisor of Master's degree thesis at Catania University and Palermo University  
 Member of the Scientific Advisory Board of The Joint Programming Initiative 'A Healthy Diet for a Healthy Life' (JPI-HDHL).  
 Member of Società Italiana di Agronomia (SIA)  
 Member of the International Society of Food Agriculture and Environment (ISFAE)  
 Member of International Society of Horticultural Science (ISHS)  
 Member of Network Nutreff - DISBA CNR  
 Member of Rete Italiana per la Ricerca in Agricoltura Biologica (RIRAB)  
 Assistant Editor for the Journal "Agronomy" MDPI

23/10/2023

Signature

