

Curriculum Vitae
Maria Daglia



Prof. Maria Daglia PhD
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Personal information
Date of birth: **25th June 1965**
Marital status: **Married**

Academic record

Since 2019 – Full professor of Food Chemistry at the Department of Pharmacy – University of Naples Federico II -

Since 2019 – Visiting Professor at the International Research Center for Food Nutrition and Safety, Jiangsu University, 212013 Zhenjiang - CHINA

2015 – 2019 - Associate professor in Food Chemistry at the Dept. of Drug Sciences, University of Pavia

2002 – 2015 –Assistant professor in Food Chemistry, Dept. of Pharmaceutical Chemistry, University of Pavia.

1998 – VII level technician in Pharmaceutical Chemistry, Dept. of Pharmaceutical Chemistry, University of Pavia.

1996 –1997 – Post doc position, Dept. of Pharmaceutical Chemistry, University of Pavia.

1995 – degree (50/50) at the Specialization School of “Farmacia Industriale”, University of Pavia.

1993 – Ph.D. degree in Pharmaceutical Chemistry and Technology at the University of Pavia.

1989 – degree (110/110 cum laude) in Pharmaceutical Chemistry and Technology at the University of Pavia.

Scientific activity

M.D.'s scientific activity has developed along two lines of research:

- 1) the study of biological properties of components that are either naturally present or also induced following thermo/technological treatments in foods, useful in food and pharmaceutical fields;
- 2) the development of analytical spectrophotometric and chromatographic methods useful in the identification and determination of biological active compounds occurring in foods.

More recently, further research has been carried out, including i) the investigation of the mechanism at the molecular level through which foods with nutraceutical activity and / or their components perform beneficial effects in Humans, with particular reference to polyphenols, secondary metabolites of plants widely distributed in all categories of foods, from current foods to food supplements, and ii) the study of components with nutraceutical activity to be used in the health products industry, with *in vitro*, *in vivo* model systems and clinical studies.

Her research activity is documented by scientific 235 papers (H-index: 55; citations: 11216(Scopus 5/04/2022))

<https://www.scopus.com/authid/detail.uri?authorId=6602560687&eid=2-s2.0-84890468694>) and more than 100 communications to national and international congresses and 4 book chapters.

Awards

2002 – Co-author of the poster entitled: "Attività antiradicalica del caffè verde e tostato" (authors: A. Papetti, M. Racchi, C. Lanni, M. Daglia, S. Govoni, G. Gazzani) presented at "FAFS- Food Authenticity and Food Safety National Conference: Advanced analytical methods applied to authentication and food safety" (Novara, 17-18 October 2002) awarded by GICA (Interdivisional Group of Food Chemistry of the Italian Chemical Society).

2017 – Winners of the 2017 Tanners Award for the Most Cited Articles of 2014: "Curcumin and Liver Disease: from Chemistry to Medicine. Compr Rev Food Sci Food Saf 13(1):62–77 (Cited 69 times).

2021 - Highly cited researchers. <https://publons.com/researcher/3183881/maria-daglia/>

National and international awards for research activity

2002 – First author of the research article: "Antiadhesive effect of green and roasted coffee on *Streptococcus mutans*' adhesive properties on saliva-coated hydroxyapatite beads" (Daglia M., Tarsi R., Papetti A., Grisoli P., Dacarro C., Pruzzo C., Gazzani G (2002). *Journal of Agricultural and Food Chemistry*, 50, 225-1229, ISSN: 0021-8561, doi: 10.1021/jf010958t), the results of which have been reviewed by:

"Chemical and Engineering News" (February 11, 2002)

"Science news" (March 2, 2002).

2011 – by invitation, thanks to the experience acquired in the field of food components with antimicrobial and anticarie activities, Prof.ssa Daglia

– Published, as single author in the journal: *Current Opinion in Biotechnology*, a review entitled: Polyphenols as antimicrobial agents (Daglia M. *Curr. Opin. Biotechnol.* 23, 174-181, 2012. Impact factor 2011: 7.711).

– Participated in the drafting of a review entitled: Food components with anticaries activity (Gazzani G., Daglia M., Papetti A. *Curr. Opin. Biotechnol.* 23, 153-159, 2012. Impact factor 2011: 7.711)

2019 – Cited by the international scientific journal *Plos Biology* in the list of the top 100,000 researchers on the basis of a classification method based on a composite indicator that takes into account citations and scientific impact of the evaluated scientists, comparing the scientific production of about 8 million researchers from Universities and Research Centres around the world, divided into the various disciplines (22) and sub-disciplines (176) of science assessing the impact both of long-term (1996-2019) and short-term, the only scientific production of 2019.

(<https://doi.org/10.1371/journal.pbio.3000918>)

2021 – Based on the ranking reported by *Plos Biology*:

- located at the 6th place among the 168 researchers of the University of Naples Federico II on the basis of the scientific production of 2019.

- located at the 22 st. place among the 168 Federician Researchers based on the scientific production of the entire career (<http://www.unina.it/~24789938-168-docenti-tra-i-migliori-ricercatori-al-mondo>)

International and national research projects

M.D.'s research activity has been supported by local grants (Progetto d'Ateneo of Pavia University, Pavia2020 founded by Camera di Commercio di Pavia), by many regional grants (Veneto - Lombardia), by national grants (MURST cofinancing for PRIN projects, MISE), and by EU grant, in which she was involved as a member of the Research Unit or principal investigator of the project.

– Since 2012 M.D. has carried out advice service in the food regulatory field for many pharmaceutical companies for the Department of Drug Sciences of the University of Pavia and then for the Department of Pharmacy of the University of Naples Federico II.

Editorial activities and refereeing

M.D. is member of the Editorial board of: Phytomedicine – Elsevier; Food Frontiers; e-Food - Official Journal of International Association of Food Nutrition and Safety; AIMS Bioengineering; AIMS Public Health.

M.D. is member of the Board of Directors of the International Natural Product Science Taskforce. <https://sites.google.com/view/inpst/home>

M.D. is reviewer of papers for about 40 international Journals.

Since 2014, M.D. has been guest editor for several special issues published in Curr Pharm Biotechnol, Nutrients, Seminars in Cancer Biology, Molecules, International Journal of Molecular Sciences, Current Drug Targets, and Biotechnology Advances.

Teaching activity

2003-2019. M.D.'s teaching activity started in 2003 as supervisor of the courses of “Prodotti Dietetici”, “Chimica degli Alimenti” and “Chimica e Analisi degli Alimenti” for the degrees of the School of Pharmacy at the University of Pavia.

Since 2019, M.D. has run the Course of “Nutraceutical Products” and of “Food Chemistry” for the School of Pharmacy of the University of Naples Federico II.

Since AA 2010-2011 M.D. has been the coordinator of the II level post-degree course, established at the Faculty of Pharmacy, University of Pavia, "Nutraceuticals Products: design, formulation development, control and marketing" and since AA 2019-20, she is the coordinator of the II level post-degree course of "Nutraceuticals Products: from research and development to marketing" at the Department of Pharmacy of the University of Naples Federico II.

2017-2019, M.D. was a member of the Course Board of the PhD School Chemical and Pharmaceutical Sciences of the University of Pavia.

Since 2019, M.D. is a member of the Course Board of the PhD School in Nutraceuticals, Functional foods and Human Health of the University of Naples Federico II.

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Naples, 5 April 2022

(prof.ssa Maria Daglia)

Maria Daglia

