

## Marco Gobbetti - Curriculum vitae

### 1. Personal information

Family name, First name, family name: Marco, Gobbetti

Researcher unique identifier(s): ORCID: <http://orcid.org/0000-0003-0869-2737>.

URL for web site: <http://micro4foodlab.groups.unibz.it>

### 2. Education

1988 PhD, Faculty of Agriculture, Department of Dairy Microbiology, University of Perugia, Italy.

1985 Master, Faculty of Agriculture, Department of Dairy Microbiology, University of Perugia, Italy.

### 3. Current and previous positions

*I'm full professor since 2000.*

2017 - today: Full Professor of Food Microbiology (Agricultural Microbiology AGR/16), Faculty of Science and Technology, Free University of Bolzano, Italy.

2000 - 2016: Full Professor, Department of Soil, Plant and Food Sciences, A. Moro University of Bari, Italy.

1998 - 2000: Associate Professor at the Faculty of Agriculture, University of Foggia, Italy.

1988 - 1998: Tenured Researcher, Faculties of Agriculture, Universities of Molise and of Perugia, Italy.

### 4. Institutional leadership and management competence (networking in the field of higher education and science)

*I have held leadership roles at the university and ministerial levels, and within national authorities as representative and monitoring deputy. This helped me to establish a robust local and national networking, and, at the same time, to achieve skills on the university system.*

2023 – today: **Dean** of the Faculty of Agricultural, Environmental and Food Sciences, Free University of Bolzano, Italy

2021 – 2023: **Dean** of the Faculty of Science and Technology, Free University of Bolzano, Italy.

2016 - today: Member of the Italian Committee on Biosafety, Biotechnology Life Sciences (CNBBSV, advisory body) appointed by the Council of Italian Ministers (**Consiglio dei Ministri della Repubblica Italiana**). Chair of the Food Safety working group.

2015 – 2016: **Pro-Rector** for Internationalization, A. Moro University of Bari, Italy. At that time, the A. Moro University of Bari accounted for an academic staff of more than 2,000 members.

2013 – 2016: **Pro-Rector** for International Cooperation with Developing Countries, A. Moro University of Bari, Italy. At that time the A. Moro University of Bari accounted for an academic staff of more than 2,000 members.

1999 – 2000: **Pro-Rector** for Research, University of Foggia, Italy.

2020 –2021: Member of the Groups of Evaluation Experts (GEV) for the third exercise on Third Mission of the Research Quality Assessment (VQR) by the **National Agency for the Evaluation of the University and Research System (ANVUR)**. After few months from the appointment, it was resigned due to the incompatibility with the position of Dean.

2017 - 2020: Member of the Evaluation Committee (**Nucleo di Valutazione**) of the University of Perugia, Italy.

2015 – 2019: **Member of the University National Council at the Ministry of University and**

**Research (MUR) (Consiglio Universitario Nazionale, CUN)**, as the representative of all the Italian full professors of Agriculture and Veterinary Sciences (ca. 700 professors). At the CUN, having been elected as President of the Agriculture and Veterinary Committee (Area 07) and Vice-President of the Research Commission.

2019: Member of the Italian Committee, as appointed by the **Ministry of University and Research (MUR)**, for selecting members of the National Committee of Guarantors for Research (**Comitato Nazionale dei Garanti della Ricerca, CNGR**).

2015 –2018: Chair of the Committee of Agriculture Sciences at the National Agency for the Evaluation of the University and Research System (**Agenzia Nazionale di Valutazione del Sistema Universitario e della Ricerca, ANVUR**) for the assessment of the professional skills.

2015 – 2017: Member of the Groups of Evaluation Experts (GEV) for the second exercise of the Research Quality Assessment (VQR) by the **National Agency for the Evaluation of the University and Research System (ANVUR)**

2021 – today: Delegate of the Free University of Bolzano (UNIBZ) for **PNRR** initiatives: *Agri-tech* and *Partenariati estesi*. Both the participations of UNIBZ to *Agri-Tech* and *Partenariati estesi* has been successful and funded. Currently, only the role as Delegate for the *Partenariati estesi* has been maintained.

2011 – 2016: **Mentor** of the Faculty of Science and Technology, and Coordinator of all the Mentoring Groups of all the Faculties at the Free University of Bolzano, Italy.

## **5. National and international commissions of trusts**

*I am and have been member of various committees at the national and European levels, which have enabled me to establish an international network. I have received national and, more importantly, international awards that justify my international reputation.*

2020 – today: Member of the **Advanced Grant ERC** panel LS9, as appointed by the **European Commission**.

2022 – today: Member of the **ERC Synergy** panel LS9, as appointed by the **European Commission**.

2020 – today: Master contact of the Free University of Bolzano for **EIT Food platform co-funded by the European Union**.

2022 – today: Member, as appointed by the **Ministry of University and Research (MUR)**, of the panel LS9 for the evaluation of **National Projects of Relevant National Interest (Progetti di Rilevante Interesse Nazionale, PRIN)**.

2020 – 2021: Member, as appointed by the **Ministry of University and Research (MUR)**, of the panel LS9 for the evaluation of **National Projects of Relevant National Interest (Progetti di Rilevante Interesse Nazionale, PRIN)**.

2020 – 2021: Member of the Committee for the “*Lombardia è Ricerca*” International Prize awards. The Committee only included Top Italian Scientists via Academy as retrieved from the link [Top Italian Scientists Home](#).

2018 – 2020: Member of the Scientific Committee of the Italian Cluster Agri-Food, as appointed by **Federalimentare**.

2013 – 2018: Member of the Consultation Board of the Italian Minister of the University and Scientific Research (**MUR**) for Horizon 2020 SC2.

2013 – 2016: Chair of the Italian Committee for the new research guidelines on food processing (Italian Minister of Agriculture, **MIPAF**).

2015 – 2018: Co-chair of the working group on “Nutrition and Health” of the **Food European**

## **Platform.**

2012 – 2014: **President** of the **Italian Association of the Agricultural Scientific Societies** (*Associazione Italiana delle Società Scientifiche Agrarie*, AISSA) (20 Scientific Societies, ca. 3,500 members). Joining all the Italian Agricultural Scientific Societies has the role of national coordination and represents the main reference for planning research activities.

2011 – 2013: **President** of the **Italian Society of Agriculture, Environmental and Food Microbiology** (*Società Italiana di Microbiologia Agraria, Ambientale e degli Alimenti*, SIMTREA) (affiliated of the Federation of European Microbiological Societies, FEMS, ca. 250 members). The Society has the role of national coordination and represents the main reference for planning research and didactic activities.

2009 – 2012: **Scientific Expert** for (**Italian Minister of Agriculture, MIPAF**) and the **Mediterranean Institute of Agriculture** for organizing event and promoting the technology transfer at the embassies in Tunis (Tunisia) and Damascus (Syria).

2010 – 2017: Member of the Scientific Committee of the **European Platform for Sustainable Chemistry** (ETP SUSCHEM), Section Biotechnology.

2023, included in the list of the **Top Italian Microbiologists** ([World's Best Microbiology Scientists: H-Index Microbiology Science Ranking in Italy 2023 | Research.com](#)): 1<sup>st</sup> Italian position.

2022, included in the list of the **Top Authors in Food Microbiology** (google scholar citations): **1<sup>st</sup> worldwide position** ([Profiles \(google.com.tw\)](#)).

2022, included in the list of the **Top Italian Scientists: 2<sup>nd</sup> position** within Natural & Environmental Sciences Italy ([Top Italian Scientists Home](#)).

## **6. University activities to expand local, national and international visibility**

*For most of the cases (University of Foggia, University of Bari A. Moro, and Free University of Bolzano), I planned, structured, and generated Bachelor's and Master's degree programs, International Center, and national and international Ph.D. in Food Sciences.*

2022 – today: leader of the Competence Center on **International Center on Food Fermentations** (ICOFF).

2018 – today: Leader of the **Micro4Food laboratory**, Free University of Bolzano, Italy.

2017 – today: Coordinator of the **International Ph.D.** on Food Biotechnology and Engineering, Free University of Bolzano, Italy.

2018 – 2022: Leader of the **Research Macro-Area** on Food Sciences, Free University of Bolzano, Italy.

2017 – 2020: Director of the **International Master** on Food Sciences for Innovation and Authenticity, Free University of Bolzano, Italy.

2002 – 2016: Coordinator of the **Ph.D.** on Food Biotechnology, A. Moro University of Bari, Italy.

2002 – 2016: Director of the **Bachelor and Master** on Food Sciences and Technology, A. Moro University of Bari, Italy.

2010 – 2015: President of the **Didactic Committee** of the Agriculture Faculty, A. Moro University of Bari, Italy. At that time the Faculty of Agriculture accounted for an academic staff of 130 members.

2000 – 2003: Coordinator of the **International Ph.D.** (University of Foggia, Italy, and University College Cork, Ireland) on Lactic Acid Bacteria Biotechnology.

## **7. Awards**

2022, **Sparkasse Award** for the Research Activity.

2013 – today, Member of the **Georgofili Academy**, Italy.

2000, **Sima Tessier Award** for Research Activity on Food Microbiology, France.

1999, **Costantino Gorini Award** for Research Activity on Dairy Microbiology/Accademia Scienze di Milano, Italy.

### **8. Local stakeholders (province of Bolzano)**

*Starting from 2017, I had and has fruitful cooperation with almost all the companies, and associations and municipalities of the Bolzano province. This contributed to the development of the local networking with solid repercussions on the territory. Namely, the major cooperation were and are with:*

Assoimprenditori Alto Adige (Unternehmerverband Südtirol) Sezione Alimentare;

Südtiroler Bauernbund;

Rete Industriali di Brunico;

Comune di Merano;

FieraMesse Bozen;

HGV Hoteliers- und Gastwirteverband;

Pan Surlgelati;

Dr. Schär;

Loacker,

Zuegg com,

IPRONA The Fruit Company;

Zipperle spa Merano;

Federazione Latterie Alto Adige (Sennereiverband Südtirol);

Forst;

Cooperative Ortofrutticole Altoatesine VOG,

Markas srl;

Nutramentis;

Consorzio Tutela Speck Alto Adige;

Meraner Mühle;

Vinschger-Bauern-Sauerkraut Lechner Herbert;

Schmidt GmbH;

Mila Südtirol - latte di montagna del Trentino Alto Adige;

Fachschule für Land- und Hauswirtschaft Salern, Vahrn.

*In addition, during my previous and current mandate of Dean I have established fruitful and quite consolidated networking with the Euregio, and in particular with the Universities of Trento and Innsbruck.*

### **9. Public engagement**

*I have paid much attention to public engagement with the aim of fostering interaction between citizens and the university system, both with the purpose of disseminating and making knowledge accessible, and promoting the university in the territory. With this purpose, I have given interviews and written articles in the newspapers, published documentaries, participated and organized events with citizens.*

### **10. Teaching activity (the most recent)**

2017 – 2022: Full Professor – “Food Fermentations”, and “Foods-Human Axis for driving the Gut Microbiome Microbiology” Faculty of Science and Technology, Free University of Bolzano, Italy.

2002 – 2022: ca. 40 Postdoctoral fellows, ca. 50 Ph.D. students and ca. 90 Masters students at the Faculty of Science and Technology, Free University of Bolzano and the Department of Soil, Plant and Food Sciences, A. Moro University of Bari, Italy.

### **11. Conferences, editorial and speaker activities (the most recent)**

Chair of more than 20 Scientific and Organizing Committees, the most recent are: 2022, VIII International Symposium on Sourdough, Bolzano, Italy; 2018, VII International Symposium on Sourdough, Cork, Ireland; and 2017, 4<sup>th</sup> International Conference on Microbial Diversity: Drivers of Microbial Diversity, Bari, Italy.

Currently, member of the Editorial Board International Journal of Biochemistry Research & Review; and Associate Editor of Fermentation Technology, International Journal of Microbiology and Current Opinion in Food Science.

Reviewer for various International Research Projects, including at the University of Gant, Belgium; INRA, France; University College Cork, Ireland; Agricultural University of Aas, Norway; Netherlands Organisation for Scientific Research, The Netherlands; and FTC. Eval. Natural. Environmental, Portugal.

Since the last decades, invited as speaker to 2-4 international conferences per year.

### **12. Major didactic and research collaborations (as justified by common publications)**

*P.F. Fox*, *P. McSweeney*, and *D. van Sinderen*, Departments of Food Chemistry and Microbiology, University College Cork, Cork, Ireland; *L. Stepaniak* and *T. Sørhaug*, Department of Food Science, Agricultural Faculty of Norway, Aas, Norway; *S. Buchin* and *D. Sicard*, INRA, Unité de Recherches en Technologie et Analyses Laitières, Poligny Cedex, France; *A. Drake*, Department of Food, Bioprocessing & Nutrition Sciences, North Carolina State University, NC USA; *M. Gaenzle*, Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, Canada; *K. Poutanen*, *K. Katina*, Department of Food and Environmental Sciences, Agnes Sjöbergin Katu, University of Helsinki, Finland; *S. Cappelle*, *B. Genout*, the Centre for Bread Flavour, Puratos, Brussels, Belgium.

### **13. Most relevant research projects (only European and national, the most recent)**

*Currently, my research group is running at the same time 6 European projects, which is very exceptional at the national and international level. Those international projects are accompanied by other national and local projects, and by a very abundant cooperation with food and pharmaceutical companies.*

2022 – 2026: Principal Investigator (PI), “Innovative pulse and cereal-based food fermentations for human health and sustainable diets” (HealthFerm) (HORIZON-CL6-2021-FARM2FORK-01, budget 400.000 €.

2022 – 2025: Coordinator for UNIBZ and Spoke 4 leader, “*Partenariato Estesio* - Research and innovation network on food and nutrition Sustainability, Safety and Security – Working ON Foods” (OnFoods) (MUR) total budget project 1.970.000 €.

2020 – 2024: PI and WP leader, “Smart Protein for a Changing World” (SMARTPROTEIN) (H2020 LC-SFS-17-2019), budget 550.000 €.

2022 – 2026: PI and WP leader, “Promoting Innovation of fermented foods” (PIMENTO) (COST

Action).

2020 – 2023: PI, “Knowledge Hub on Food and Nutrition Security” (Systemic) (JPI, ERA-HDHL-Systemic), budget 20,000 €.

2019 – 2022: PI, “Knowledge Platform on Food, Diet, Intestinal Microbiomics and Human Health” (*FOODMICROHEALTH*) (JPI, HDHL INTIMIC), budget 40.000 €.

2019 – 2023: PI and WP leader “Sourdough biotechnology network towards novel, healthier and sustainable food and bioprocesses (SOURDOMICS) (COST Action).

2019 – 2023: National Coordinator and PI, “Microbiome-tailored food products based on typical Mediterranean Diet components” (Mi.Ta.Me.D) (National Program PRIN), budget 120,000 €.

2020 – 2022: Coordinator and PI, “Development of an eco-sustainable bioprocessing for making low sugar fruit juices” (SMARTJUICE) (ERDF - indirect EU funding), budget 250.000 €.

2022 – 2025: PI and WP leader, “Pasta and Bakery Products: integrity, healthiness and sustainability - Process and product innovation” (INTEGRI) (Ministry of Economy), budget 260.000 €.

2019 – 2021: Coordinator and PI, “Management of breeding systems and environmental drivers for the production and exploitation of natural starter in the cheese making process” (NATCASEI), (Ministry of Agriculture, MiPAAF), budget 100.000 €.

2019 – 2021: PI and WP leader, “Innovations in Italian Dairy Industry for the enhancement of farm sustainability, milk technological traits and cheese quality” (INNOVAMILK), (AGER, Bank Consortia), budget 65.000 €.

#### **14. Technology transfer**

*Since the last decades, I coordinated ca. 200 research projects funded by food, chemical and pharmaceutical companies. Several partners are leader international companies. Almost 20 companies have established long-term cooperation projects. Usually, the budget turnover from these projects is 500,000 euros per year as a constant basis. The output of some of these innovative projects is illustrated by the number of novel foods (e.g., gluten free bread Gusto, probiotic mozzarella cheese), and pharmaceutical products (e.g., Bioequol Bioscalin, Lichena equylibria) that are currently on the market. Examples of cooperation are:*

Puratos (Belgium);

Pepsico (UK);

Nestlé (Switzerland);

Evonik (Germany);

Cerelia (Spain);

Callebaut (Belgium);

Furneo (Belgium)

Ferrero;

Barilla;

Giuliani;

Bonomelli;

Bauli;

Grande Impero;

Pan;

Loacker;

Dr. Schär;

Zuegg;

Sammontana.

Together with Puratos (Belgium), I funded the **start up** LabID, which is located at the NOI Tech Park. Together with Giuliani (Milano), I'm member of the Human Microbiome Advanced Project.

### **15. Research track-record**

My entire publication record, with citations of each article and details on various indexes (h index, i10 index), is available at: [Marco Gobbetti - Google Scholar](#)

In summary, I wrote **780 publications**, which have received ca. **42.507 citations**. The **h index** of all scientific publications is **117**. The number of articles cited more than 10 times (i10 index) is 362. As recorded by SCOPUS ([Gobbetti, Marco - Author details - Scopus](#)), the current **h index** of the entire scientific works is **98**, with above **29,500 citations** per **422 scientific articles**. Ninety-seven percent of the publications since the last 10 years are on Q1 scientific journals of the respective Subject Categories.

I'm also editor of 9 books, 5 of which are international and pressed by Springer.

I'm co-inventor of 15 patents, 10 of which are international. Some allowed products, which are currently into the market.

A list of the publications from the last 5 years is reported in paragraph 19.

### **16. Contributions to early careers of excellent researchers**

*I believe one of the best indicator to qualify the capability of a team leader is the promotion of young talents within the university and/or other public or private institutions.*

Since 2000, I supervised the Ph.D. and Post-Doctoral research activities of many individuals, several of whom now hold permanent positions: Prof. M. De Angelis, Prof. F. Minervini and Prof. P. Filannino, currently Full and Associate Professors at the University A. Moro of Bari, Italy; Prof. C.G. Rizzello currently Full Professor at the La Sapienza University of Rome, Italy; Prof. A. Corsetti, currently Full Professor at the University of Teramo, Italy; Prof. L. Settanni, currently Associate Professor at the University of Palermo, Italy; Dr. R. Coda, currently PI at the University of Helsinki, Finland; Dr. S. M'hir, currently Researcher at the Laboratoire d'Ecologie et de Technologie Microbienne of the INSAT Tunis, Tunisia; and J. A. Curiel, currently PI at the Research Centre of Wine- and Wine-related Science Logroño, La Rioja, Spain. Others (A. Limitone, D. Minervini, D. Di Pinto) have followed a career in industry and are now employed by leading food and pharmaceutical companies. Since 2017, Marco Gobbetti has lead the Micro4Food laboratory at the Free University of Bolzano. Having ready the laboratory and equipment by the end of 2018, currently the research team comprises 2 full professors, 3 RTD junior, 4 post-doc students, 12 PhD students and 1 technician.