

## **Academic Curriculum**

- 1990-2001: Research Assistant of Applied Microbiology, University of Perugia (Italy)
- 2002-2016: Associate Professor of Applied Microbiology, University of Perugia (Italy)
- 2017-today: Full Professor of Applied Microbiology, University of Perugia (Italy)

## **Leadership/Coordination of Research Groups**

- 2009-today: Scientific Coordinator of the Industrial Yeasts Collection DBVPG ([www.dbvpg.unipg.it](http://www.dbvpg.unipg.it)), University of Perugia (Italy)
- 2011-today: Scientific Coordinator of the Research Unit of Microbiology, Dept. of Agricultural, Food and Environmental Sciences, University of Perugia (Italy)

## **Direction of Departments/Research Centres**

- 2015-2021: Director of the Inter-University Centre for The Research on Environment and Pollution "Felli" (CIRIAF), University of Perugia, Italy ([www.ciriaf.it](http://www.ciriaf.it))
- 2019-today: deputy-Director of the Dept. of Agricultural, Food and Environmental Sciences, University of Perugia, Italy (<http://dsa3.unipg.it/it/>)

## **Member of Evaluation Commissions**

- 2018-2021: Member of the ASN National Commission (National Scientific Qualification), Sector: 07/I1 - Agricultural Microbiology

## **Invited Lectures at international Congresses/Symposia (last 10 years)**

- 2012: Invited Lecture: Taxonomy, physiology and ecology of psychrophilic yeasts isolated from South European glaciers. 13rd International Congress on Yeasts ICY13, Madison, WI, USA, August 26-30.
- 2016: Invited Lecture: Diversity and ecology of cold-adapted yeasts in South European glacial habitats. 43rd Annual Conference on Yeasts (ACY), Smolenice, Slovak Republic, May 10-13.
- 2016: Invited Lecture: Diversity, ecology and biotechnology of psychrophilic yeasts. Workshop on non-conventional yeasts – International Congress on Yeasts (ICY14). Nara, Japan, September 11-15.
- 2018: Invited Lecture: “Biodiversity of yeasts and fungi in Antarctic ecosystems via next generation sequencing”, “International Conference “Non-conventional Yeasts: from Basic Research to Application”, Rzeszow, Poland, May 15-18 May.
- 2019: Invited Lecture: “Polar and non-polar cold areas: a little explored habitats for fungal life”, "International Specialized Symposium on Yeasts (ISSY35)", Antalya, Turkey, October 21-25.

## **Convener/Member of Scientific Committees of International Congresses/Symposia (last 10 years)**

- 2013: Member of Scientific Advisory Board of the 4th Symposium of Enzymes & Biocatalysis (SEB), Nanjing, China, April 25-27.
- 2015: Convener of the 32nd International Specialized Symposium on Yeasts (ISSY32), Perugia, Italy, September 13-17.
- 2016: Member of the International Scientific Committee of the International Congress on Yeasts (ICY14). Nara, Japan, September 11-15.

- 2017: Member of the Scientific Advisory Board of the 33th International Specialized Symposium on Yeasts (ISSY33), Cork, Ireland, June 26-29.
- 2018: Member of the International Scientific Committee of the International Conference “Non-conventional Yeasts: from Basic Research to Application” Rzeszow, Poland, 15-18 May 2018.
- 2018: Member of the International Scientific Committee of the 34th International Specialized Symposium on Yeasts (ISSY34), Bariloche, Argentina, October 1-4.
- 2019: Member of the International Scientific Committee of the "International Specialized Symposium on Yeasts (ISSY35)", Antalya, Turkey, October 21-25.

### **Member of Editorial Committees of ISI Journals**

- 2014-today: Member of the Editorial Board of the Journal “Annals of Microbiology”, Springer, (<http://www.springer.com/life+sciences/microbiology/journal/13213>)
- 2021-today: Member of the Editorial Board of the Journal “Frontiers in Microbiology”, Section: Extreme Microbiology, Frontiers Research Foundation (<https://www.frontiersin.org/journals/microbiology#editorial-board>)

### **Editing of international books**

- Buzzini P, Margesin R. Cold-Adapted Yeasts. Biodiversity, Adaptation Strategies and Biotechnological Significance, Springer, 2014, ISBN 978-3-642-39681-6
- Buzzini P, Lachance MA, Yurkov A. Yeasts in Natural Ecosystems. Ecology, Springer, 2017, ISBN 978-3-319-61575-2
- Buzzini P, Lachance MA, Yurkov A. Yeasts in Natural Ecosystems. Diversity, Springer, 2017, ISBN 978-3-319-62683-3

### **International Scientific Assignments**

- 2009-today: Commissioner for Italy in the International Commission on Yeasts ([www.iums.org/index.php/87-icy/138-international-commission-on-yeasts](http://www.iums.org/index.php/87-icy/138-international-commission-on-yeasts)), affiliated to the International Union of Microbiological Societies.

### **External Reviewer of research projects on behalf of International Research Institutions**

- 2008: External Research Project Examiner for the Universidad Nacional del Comahue, Centro Regional Universitario Bariloche, Argentina.
- 2012: External Research Project Examiner for the Slovenian Research Agency (SRA), Slovenia.
- 2012: External Research Project Examiner for the Superior Council of the National Fund for Scientific & Technological, CONICYT, Ministerio de Educacion, Gobierno de Chile.

### **PI and Co-PI of Research Projects:**

Projects funded by the Italian Ministry for Foreign Offices (MAE)

- 2004: Italian PI of the project of scientific and technological cooperation Italy-Argentina: Biodiversity and biotechnology of yeasts isolated from glacial environments of North-West Patagonia (Argentina).
- 2008: Italian PI of the project of scientific and technological cooperation Italy-Albania: Exploration and study of the biodiversity of yeasts isolated from cold habitats, Dajti Mountain and their biotechnological potentiality.

#### Projects funded by the Italian Ministry for Agriculture (MIPAAF)

- 2009: PI of the project: "Selection of autochthonous yeasts for producing highly aromatic wines (MIPAF - OIGA 18829/7818 del 05/08/2009).

#### Projects funded by Regional/local Institutions

- 2009: PI of the project funded by the Foundation "Cassa di Risparmio di Perugia" (2009.010.0408): Influence of amendments on turnover of soil organic matter and microbial populations.
- 2018: PI of the project PSR funded by Umbria Region: Total recovery oilseed chain.

#### Projects funded by International Companies

- 2008: PI of the projects funded by GEVO Inc. Pasadena, CA, USA: Exploration of microbial diversity.

#### Projects funded by Italian Ministry for Research and Education (MIUR)

- 2014: Co-PI of the project funded by the Call for the Development of National Technological Clusters, 257 / Ric - May 30, 2012 - Green Chemistry Cluster): Third generation biorefineries integrated into the territory

#### Projects funded by the Call for projects of relevant national interest (PRIN)

- 2004: Co-PI of the project: Sustainable use of Mediterranean wood species (PI I. Chessa, University of Sassari, Italy)
- 2015: Co-PI of the project: Responses of Alpine ecosystems to climate change (RESACC) (PI S. Onofri, University of Tuscia, Italy)
- 2020: PI of the project: Microorganism-plant interactions in the forefield of glaciers: a hotspot for studying the impact of climate change in alpine habitats (MICROPLANTALP)

#### Projects funded by the Call for Antarctic Researches (PNRA)

- 2013: Co-PI of the project (0022585.24-09-2013): Biodiversity and distribution of epi- and endolithic communities to study the limits of life in the Victoria Land in Antarctica (PI L. Selbmann, University of Tuscia, Italy)
- 2013: Co-PI of the project (0022543.23-09-2013): Permafrost ecology in Victoria Land: past, present and future evolution in a context of climate change (PI M. University of Insubria, Italy)
- 2017: Co-PI of the project (PNRA16\_00194 A1): Climatic change and cryotic ecosystems in continental Antarctica (PI M. Guglielmin, University of Insubria, Italy)
- 2017: Co-PI of the project (PNRA16\_00006 A1): Antarctica: study of microbial diversity in endolithic communities to evaluate the effect of climate change and habitability limits (PI L. Selbmann, University of Tuscia, Italy)

#### Projects Seventh Framework Programme (FP7)

- 2012: Co-PI (third part) of the project: FP7-INFRASTRUCTURES-2012-1: Microbial Resource Research Infrastructure - MIRRI (Project No 312251) (PI German Collection of Microorganisms and Cell Cultures GmbH. Research DSMZ)

#### Project Horizon 2020

- 2020: Co-PI (third Part) of the project: H2020-INFRADEV-2018-2020 - Implementation and Sustainability of Microbial Resource Research Infrastructure for 21st Century – IS\_MIRRI21 – no. 871129 (PI Universidade do Minho, Portugal)

### **Bibliometria**

- Co-Author of over 150 papers ISI, 18 book chapters, 1 EU patent (EP 1945237)
- Scopus (September 2024): 156 papers
- 4.898 citations
- H-index = 37

In 2020, 2021 and 2022 he resulted among the World Top 2% scientists according to the ranking by Elsevier BV, Stanford University.

Google Scholar profile

[https://scholar.google.it/citations?hl=it&user=9CR7k1IAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.it/citations?hl=it&user=9CR7k1IAAAAJ&view_op=list_works&sortby=pubdate)

Scopus profile

<https://www.scopus.com/authid/detail.uri?authorId=7003872953>