

CURRICULUM VITAE

Personal Information

Name	Benedetta Turchetti
Nationality	Italian
Place and date of birth	Perugia, 4 December 1977
email	benedetta.turchetti@unipg.it
Phone	+39(0)75 585 6487
Fax	+39(0)75 585 6470
website	www.dbvpg.unipg.it

Studies and Qualifications:

1 December 2017	Associated professor position at Department of Agricultural, Food and Environmental Sciences, University of Perugia, Italy - Sector: agricultural microbiology.
From 2013 to 2017	Member of the teaching college of the PhD in "Agricultural, Food and Environmental Science and Biotechnology", University of Perugia, Italy.
From January 2009	Curator of DBVPG Industrial Yeasts Collection (www.agr.unipg.it/dbvpg). The Collection DBVPG is affiliated with the following international organizations: ECCO (European Culture Collection Organization) and WFCC (World Culture Collections Federation) and provides conventions and services (microbiological analysis, identification of strains, patent filing, delivery logs, etc..) to public and private, and Italian and foreign institutions.
From September 2007 to June 2008	Stage for study and research reasons of at the Centraalbureau voor Schimmelcultures (CBS - Fungal Biodiversity Centre, Yeast Research Group - Utrecht, Netherlands - supervisor Dr. Teun Boekhout), in order to develop the research argument "Characterization of psychrophilic yeast isolated from glacial environments."
From 2006 to 2013	Member of the teaching college of the PhD in "Biologia vegetale e Biotecnologie Agroambientali" University of Perugia, Italy.
From 2006	Member of the Italian Society of Agricultural, Environmental and Food Microbiology.
1 November 2005	University research scientist position at the Department of Applied Biology, Section of Microbiology, Faculty of Agriculture, University of Perugia, Italy - Sector: agricultural microbiology.
November 2005	PhD in " Biotechnology of Fungi" (XVII cycle) at Department of Applied Biology, Faculty of Agriculture, University of Perugia - Italy.
July 2003	Participation to the "van Uden International Advanced Course on Molecular Ecology, Taxonomy and identification of Yeasts" Universidade Nova de Lisboa, Lisbon, Portugal Organizers: Dr. Alvaro Fonseca, Dr. Josè Paulo Sampaio - Coordinator: Prof. Isabel Spencer-Martins.
7 November 2001	Master Degree in Agricultural Sciences and Technologies, Specialization in plant production and protection and genetic biotechnologies, Faculty of Agriculture, University of Perugia - Italy.

Teaching activity at University of Perugia

Three-year and Master Degree Courses

From 2018-19 till today	Microbial Biotechnology - Bachelor Degree: Agricultural and Environmental Sciences
From 2012-13 till today	Environmental Microbiology - Master Degree: Agricultural and Environmental Biotechnology

2012-13 Conservation and management of Microbial Biodiversity – Master Degree: Sustainable Agriculture

from 2008-09 to 2011-12 Applied Microbiology – Bachelor Degree: Technology of Animal Productions

Second level Master Degree Courses and Scientific School

8-11 May 2019 Microbial Biodiversity Scientific School - Porto Conte Ricerche, Tramariglio (Alghero), Italy

2016-17 Environmental Impact of sheep and goat livestock - II Level Master - Health and Production Management of sheep and goat livestock - University of Perugia

2006-07 Food microbiology - II Level Master – Food technology (Te.Tra.P.Ag.) – University of Perugia

Other teaching activities

from 2016-2017 until today Co-tutor of Dr. Giorgia Tasselli for the PhD in Research in Energy and Sustainable Development - Tutor Prof. Franco Cotana

2014-15 Microbiology applied to food industries and food quality - Active Training Internship (TFA) II cycle, class A057 - Food Science

2014-15 Microbiology of food of animal origin - Active Training Internship (TFA) II cycle, class A074 - Food Science

From 2008 until now Constant participation in Degree Course Councils

From 2004 until now Constant participation in examinations of profit, preparation of thesis (as supervisor or co-supervisor) and member of degree commissions

Research activities

Research fields

Current research field

- Study of the distribution and ecology of unculturable fungi (yeasts and filamentous fungi) in cold environments by means of Next Generation Sequencing (NGS).
- Exploration of the yeast environmental biodiversity (isolation and identification) for the selection of strains of biotechnological interest.
- Metabolic characterization of isolated yeast strains and conservation within the DBVPG Industrial Yeast Collection.
- Screening of the metabolic properties of yeasts of biotechnological interest (oleaginous yeasts).
- Isolation, identification and characterization of *Prototheca* spp. isolated from bovine milk and from environmental samples of positive farms.
- Use of experimental designs for the management of fermentation processes.

Internships Abroad

15 September 2007 – 30 June 2008 Leave for reasons of Study and Research at the Centraalbureau voor Schimmelcultures (CBS - Fungal Biodiversity Centre, Yeast Research Group - Utrecht, Netherlands - supervisor Dr. Teun Boekhout), in order to develop the research argument "Characterization of psychrophilic yeast isolated from glacial environments."

4 February 2008 - 28 March 2008 Fellowship Synthesys (European Union-funded Integrated Infrastructure Initiative grant) for the period February 4, 2008 - March 28, 2008. Project Title: "The disappearing glacial ecosystem. Isolation, identification and characterization of yeast strains from Italian glaciers as a contribution to the conservation of microbial biodiversity"

September 2007 – December 2007 Research Fellowship sponsored by FEMS - Federation of European Microbiological Society. Project Title: "Characterization of psychrophilic yeasts isolated from glacial environments"

Involvement in research projects funded by international organizations

- 2018-2020 Scientific and Technological Cooperation "MIUR-DAAD Joint Mobility Program" - 2° edition Italy-Germany. Title: "Physiological capabilities of necrar yeasts and their interactions with pollinators" (Italian Scientific coordinator: Benedetta Turchetti - German Scientific coordinator: Andrey Yurkov).
- 2017-2019 Scientific and Technological Cooperation MAE Italy-Argentina - Project for "Researchers mobility". Research area: Environment and Energy. Title of the project "Oleaginous yeasts isolated from cold habitats: screening e evaluation of the lipids production from effluents of the brewing industry" (Italian Scientific coordinator: Benedetta Turchetti – Argentinian Scientific coordinator: Diego Libkind).
- 2012-2017 EU project "European Strategy Forum on Research Infrastructures, ISFRI" Microbial Resources Research Infrastructure (Mirri) Preparation phase: 2012-2014, Construction phase: 2014-2017, Operation phase: 2014 onwards.
- 2012-2015 FCT (Fundacao para a Ciencia and Technology - Ministry of Educacao and Ciencia, Portugal) PTDC/BIA-EVF/118618/2010: Out of Gondwana - a phylogeographic hypothesis for the radiation of Saccharomyces (coordinator Jose Paulo Sampaio).
- 2006-2007 Scientific and Technological Cooperation MAE Italy -Albania. Sector: New Technologies Applied Food Industry Transformation. Title of the project: "Biodiversity of industrial microorganisms isolated from fermented products Aspects and Their biotechnological for the improvement of quality and nutritional value of foods "(Italian scientific coordinator: Pietro Buzzini; Albanian scientific responsible: L. Shabani, University of Tirana).

Involvement in research projects funded by national organizations

- 2019-2021 Participation to the Italian Program for Antarctic Research (PNRA) - PNRA D.D. 1314 del 25/05/2018 (PNRA18_00186 - E). Title: "Interactions between permafrost and ecosystems in Continental Antarctica". (Coordinator of the project: Prof. Forte Emanuele; Coordinator of the R.U.: Prof. Benedetta Turchetti).
- 2017-2019 PRIN: Research Projects for significant National interest - Announcement 2015 - granted by Italian Ministry for University and Research. Title: "Response of alpine ecosystems to climatic changes (RESACC)" (Coordinator of the Project: Prof. Silvano Onofri; Coordinator of the R.U.: Prof. Pietro Buzzini).
- 2017-2019 Participation to the Italian Program for Antarctic Research (PNRA) - PNRA D.D. 651 del 05/04/2016 (PNRA16_00194 - A1). Title: "Climate change and crust ecosystem in continental Antarctica" (Coordinator of the Project: Prof. Mauro Guglielmin; Coordinator of the R.U.: Prof. Pietro Buzzini).
- 2017-2019 Participation to the Italian Program for Antarctic Research (PNRA) - PNRA D.D. 651 del 05/04/2016 (PNRA16_00006 - A1). Title: "Antarctica: study of the cryptoendolitic microflora diversity in order to evaluate climate change and life limit" (Coordinator of the Project: Prof. Laura Selbmann; Coordinator of the R.U.: Prof. Pietro Buzzini).
- 2015-2016 University Fund for Basic Research 2014 - DSA3 funded by the University of Perugia. Title: "Study of the adaptation of fungi (yeasts and phytopathogenic fungi) grown outside their chosen habitat through DNA methylation analysis" (Project coordinator: Benedetta Turchetti).
- 2015-2017 2014 Research Project - Experimental Zooprofylactic Institute of Umbria and Marche - General Diagnostic Area and Animal Welfare. Title: "Preliminary survey on the presence of the emerging pathogen Prototheca spp. In dairy cows: epidemiological, histopathological and molecular characterization" (Coordinator of U.O .: Prof. Pietro Buzzini) (code RC001201).
- 2014-2016 Research Project granted by Italian Ministry for University and Research: National Technology Cluster of Green Chemistry - BIT3G: Bioraffineries of III generation Integrated in local areas (2014 - 2016). Objective: trigger the development of biobased industries in Italy, through an holistic approach to innovation, aimed at revitalising Italian chemistry in the name of environmental, social and economic sustainability. (Coordinator of the R.U. Prof. Pietro Buzzini) (CTN01_00063_49295).

- 2014-2016 Italian Program for Antarctic Research (PNRA). Project: Biodiversity and distribution of microbial epibiotic communities to studying limits for life in Victoria Land, Antarctica (0022585.24-09-2013). (Coordinator of the Project: Prof. Laura Selbmann; Coordinator of the R.U.: Prof. Pietro Buzzini (2013/AZ1.19).
- 2010-2011 Project OIGA (Observatory for Youth Entrepreneurship in Agriculture) D.M. 18829/2009 Ministry of Agricultural, Food and Forestry Policies. Title: "ICLAVA: Isolation and Characterization of Autochthonous Yeasts for Wines with a high content of Aromas" (Coordinator Prof. Pietro Buzzini).
- 2010-2011 Project "Foundation CRP 2009. Title "Influence of the practice of soil conditioners with manure on the turnover of organic matter and microbial populations of arable soil, 2009 (coordinator Prof. Pietro Buzzini).
- 2004-2005 PRIN: Research Projects for significant National interest. Title: "Sustainable use of wood species of the Mediterranean maquis for the enhancement and certification of natural parks" (Coordinator: Prof. Innocenza Chessa; Head of U.R. : Prof. Pietro Buzzini).

International workshop

- 20 and 21 April 2015 Chair of the Session "Taxonomy proposals on Pucciniomycotina" during the Workshop "Yeast Taxonomy", CBS Fungal Biodiversity Centre, Utrecht, The Netherlands (Organizers: Dr. Teun Boekhout & Dr. Marizeth Groenewald, CBS Fungal Biodiversity Centre).

Reviewer activities

- 2019 Reviewer for research projects: XXV Concurso Nacional de Proyectos de Investigación Científica y Tecnológica Antártica. Chilean Antarctic Science Program (PROCIEN), Chilean Antarctic Institute (INACH)
- 2016 Reviewer for research projects: Application for Funding of research projects, Internal research funds, Freie Universität Bozen, Italy
- 2014 Reviewer for research projects: Joint Projects, University of Verona, Italy
- 2013 Reviewer for research projects: BRAIN-be Belgian Research Action through Interdisciplinary Networks founded by BELSPO (Belgian, federal Administration for Research and Science Policy)
- 2012 Reviewer for research projects: Portuguese Foundation for Science and Technology (FCT)

Reviewer from 2011 until today for the following international journals
 Antonie van Leeuwenhoek – Springer, Antarctic Science – Cambridge University Press, Current Microbiology – Springer, Microbial Ecology – Springer, SpringerPlus – Springer, Annals of Microbiology – Springer, Journal of Basic Microbiology - Wiley, Polar Biology – Springer, Medical Mycology - Oxford Academic, Extremophiles - Springer, Yeast - Wiley, Trends in Microbiology - Elsevier, eLife - Howard Hughes Medical Institute, Frontiers in Plant Science - Frontiers Media, Archives of Microbiology - Springer, Fungal Diversity - Springer

Member of the commission for PhD Defense

- 16 May 2014 PhD in "Biological and biochemical evolution" University of Tuscia, Viterbo, Italy
- 4 April 2018 PhD in "Biotechnology" University of Perugia, Perugia, Italy
- 25 May 2018 PhD in "Mountain Environment and Agriculture" Free University of Bozen, Bozen, Italy

Institutional activities in University of Perugia

- From 2016 until today Member of the Career Guidance Commission of the Department of Agricultural, Food and Environmental Sciences of the University of Perugia
- Dal 2014 until today Member of the Tutoring Commission of the Department of Agricultural, Food and Environmental Sciences of the University of Perugia

List of publications

Papers in peer-reviewed journals

1. P. Buzzini, S. Berardinelli, B. Turchetti, G. Cardinali, A. Martini (2003) Fingerprinting of yeasts at the strain level by differential sensitivity responses to a panel of selected killer toxins. *Systematic and Applied Microbiology*; 26, 466-470.
2. P. Buzzini, B. Turchetti, A. Martini (2004) Assessment of discriminatory power of three different methods based on killer toxin sensitivity for the differentiation of *Saccharomyces cerevisiae* strains. *Journal of Applied Microbiology*; 96, 1194-1201.
3. P. Buzzini, L. Corazzi, B. Turchetti, M. Buratta, A. Martini (2004) Characterization of the in vitro antimycotic activity of a novel killer protein from *Williopsis saturnus* DBVPG 4561 against emerging pathogenic yeasts. *FEMS Microbiology Letters*; 238, 359-365.
4. P. Buzzini, B. Turchetti, R. Facelli, R. Baudino, F. Cavarero, L. Mattalia, P. Mosso, A. Martini (2004) First large-scale isolation of *Prototheca zopfii* from milk produced by dairy herds in Italy. *Mycopathologia*; 158, 427-430.
5. P. Buzzini, B. Turchetti, G. Diolaiuti, C. D'Agata, A. Martini, C. Smiraglia (2005) Culturable yeasts in melt waters draining from two glaciers in the Italian Alps. *Annals of Glaciology*; 40, 119-122.
6. B. Turchetti, P. Pinelli, P. Buzzini, A. Romani, D. Heimler, F. Franconi (2005) In vitro antimycotic activity of some plant extracts toward yeast and yeast-like strains. *Phytotherapy Research*; 19, 44-49.
7. P. Buzzini, S. Romano, B. Turchetti, A. Vaughan, U. M. Pagnoni, P. Davoli (2005) Production of volatile organic sulfur compounds (VOSCs) by basidiomycetous yeasts. *FEMS Yeast Research*; 5, 379-385.
8. P. Buzzini, A. Martini, M. Gaetani, B. Turchetti, U. M. Pagnoni, P. Davoli (2005) Optimization of carotenoid production by *Rhodotorula graminis* DBVPG 7021 as a function of trace element concentration by means of response surface analysis. *Enzyme and Microbial Technology*; 36, 687-692.
9. A. Romani, S. Menichetti, P. Arapitsas, C. Nativi, B. Turchetti, P. Buzzini (2005) O-methylglucogalloyl esters: synthesis and evaluation of their antimycotic activity. *Bioorganic Medicinal Chemistry Letters*, 15, 4000-4003.
10. P. Buzzini, C. Gasparetti, B. Turchetti, M. R. Cramarossa, A. Vaughan-Martini, A. Martini, U. M. Pagnoni, L. Forti (2005) Production of volatile organic compounds (VOCs) by yeasts isolated from the ascocarps of black (*Tuber melanosporum* Vitt.) and white (*Tuber magnatum* Pico) truffles. *Archives of Microbiology*; 184, 187-193.
11. C. Gasparetti, P. Buzzini, M.R. Cramarossa, B. Turchetti, U.M. Pagnoni, L. Forti (2006) Application of the response surface methodology (RSM) for optimizing the production of volatile organic compounds (VOCs) by *Trichosporon moniliiforme*. *Enzyme and Microbiology Technology*; 39, 1341-1346.
12. A. Romani, F. Ieri, B. Turchetti, N. Mulinacci, F. F. Vincieri, P. Buzzini (2006). Analysis of condensed and hydrolysable tannins from commercial plant extracts. *Journal of Pharmaceutical and Biomedical Analysis*; 41, 415-420.
13. S. Brizzio, B. Turchetti, V. de García, D. Libkind, P. Buzzini, M. van Broock (2007). Extracellular enzymatic activities (EEA) of basidiomycetous yeasts isolated from glacial and subglacial waters of northwest Patagonia (Argentina). *Canadian Journal of Microbiology*; 53, 519-525.
14. P. Buzzini, B. Turchetti, A.E. Vaughan (2007). The use of killer sensitivity patterns for biotyping yeast strains: the state of the art, potentialities and limitations. *FEMS Yeast Research*; 7 749-760.
15. P. Buzzini, M. Innocenti, B. Turchetti, D. Libkind, M. van Broock, N. Mulinacci (2007). Carotenoid profiles of yeasts belonging to the genera *Rhodotorula*, *Rhodospiridium*, *Sporobolomyces* and *Sporidiobolus*. *Canadian Journal of Microbiology*; 53, 1-8.
16. B. Turchetti, P. Buzzini, M. Goretti, E. Branda, G. Diolaiuti, C. D'Agata, C. Smiraglia, A. Vaughan-Martini (2008). Psychrophilic yeasts in glacial environments of Alpine glaciers. *FEMS Microbiology Ecology*; 63, 73-83.
17. C. Ponzone, C. Gasparetti, M. Goretti, B. Turchetti, U. M. Pagnoni, M. R. Cramarossa, L. Forti, P. Buzzini (2008). Biotransformation of acyclic monoterpenoids by *Debaryomyces* sp., *Kluyveromyces* sp. and *Pichia* sp. strains of environmental origin. *Chemistry and Biodiversity*; 5, 471-483.
18. P. Buzzini, S. Menichetti, C. Pagliuca, C. Vighianisi, E. Branda, B. Turchetti (2008). Antimycotic activity of 4-thioesters of flavonoids towards yeasts and yeast-like microorganisms. *Bioorganic and Medicinal Chemistry Letters*; 18, 3731-3733.
19. P. Buzzini, B. Turchetti, E. Branda, M. Goretti, M. Amici, P.E. Lagneau, L. Scaccabarozzi, V. Bronzo, P. Moroni (2008). Large-scale screening of the in vitro susceptibility of *Prototheca zopfii* towards polyene antibiotics. *Medical Mycology (Short Communication)*; 46, 511-514.
20. C. Forzato, G. Furlan, P. Nitti, G. Pitacco, E. Valentin, E. Zangrando, P. Buzzini, M. Goretti, B. Turchetti (2008). Chemoenzymatic and yeast-catalysed synthesis of diastereomeric ethyl c-phenyl and c-(n-pyridyl)paraconates. *Tetrahedron: Asymmetry*; 19, 2026-2036
21. L. Scaccabarozzi, B. Turchetti, P. Buzzini, G. Pisoni, L. Bertocchi, N. Arrigoni, P. Boettcher, V. Bronzo, P. Moroni (2008). Isolation of *Prototheca* spp. strains from environmental sources of dairy herds. *Journal of Dairy Science*; 91, 3474-3478.
22. P. Buzzini, P. Arapitsas, M. Goretti, E. Branda, B. Turchetti, P. Pinelli, F. Ieri, A. Romani (2008). Antimicrobial and antiviral activity of hydrolysable tannins. *Mini-Reviews in Medicinal Chemistry*; 8, 1179-1187.
23. A. Romani, P. Vignolini, L. Isolani, S. Tombelli, D. Heimler, B. Turchetti, P. Buzzini (2008). In vitro radical scavenging and anti-yeast activity of extract from leaves of *Aloe* species growing in Congo. *Natural Product Communications*; 3(12), 2061-2064.

24. M. Goretti, B. Turchetti, M. Buratta, E. Branda, L. Corazzi, A. Vaughan-Martini, P. Buzzini (2009). In vitro antimycotic activity of a *Williopsis saturnus* killer protein against food spoilage yeasts. *International Journal of Food Microbiology* 131, 178-182.
25. M. Goretti, C. Ponzoni, E. Caselli, E. Marchegiani, M. R. Cramarossa, B. Turchetti, P. Buzzini, L. Forti (2009). Biotransformation of electron-poor alkenes by yeasts: asymmetric reduction of (4S)-(+)-carvone by yeast enoate reductases. *Enzyme and Microbial Technology* 45: 463-468.
26. S.R. Thomas-Hall, B. Turchetti, P. Buzzini, E. Branda, T. Boekhout, B. Theelen, K. Watson (2010). Cold-adapted yeasts from Antarctica and the Italian Alps—description of three novel species: *Mrakia robertii* sp. nov., *Mrakia blollopis* sp. nov. and *Mrakiella niccombsii* sp. nov. *Extremophiles* 14 : 47-59.
27. E. Branda, B. Turchetti, G. Diolaiuti, M. Pecci, C. Smiraglia, P. Buzzini (2010) Yeast and yeast-like diversity in the southernmost glacier of Europe (Calderone Glacier, Apennines, Italy). *FEMS Microbiology Ecology* 72: 354–369.
28. M. Wuczkowski, V. Passoth, B. Turchetti, A. Andersson, M. Olstorpe, A. Laitila, B. Theelen, M. van Broock, P. Buzzini, H. Prillinger, K. Sterflinger, J. Schnürer, T. Boekhout, D. Libkind (2010). Description of *Holtermanniella takashimae* sp. nov., *Holtermanniella* gen. nov. and proposal of the order Holtermanniales to accommodate Tremellomycetous yeasts of the Holtermannia clade. *International Journal of Systematic and Evolutionary Microbiology* 61: 680-689.
29. M. Ricchi, M. Goretti, E. Branda, G. Cammi, C.A. Garbarino, B. Turchetti, P. Moroni, N. Arrigoni, P. Buzzini (2010). Molecular characterization of *Prototheca* strains isolated from Italian dairy herds. *Journal of Dairy Science* 93: 4625-4631.
30. M. Goretti, C. Ponzoni, E. Caselli, E. Marchegiani, M.R. Cramarossa, B. Turchetti, L. Forti, P. Buzzini (2011). Bioreduction of α,β -unsaturated ketones and aldehydes by non-conventional yeast (NCY) whole-cells. *Bioresource Technology* 102: 3993–3998.
31. B. Turchetti, S.R. Thomas Hall, L.B. Connell, E. Branda, P. Buzzini, B. Theelen, W.H. Muller, T. Boekhout (2011). Psychrophilic yeasts from Antarctica and European glaciers: description of *Glaciozyma* gen. nov., *Glaciozyma martinii* sp. nov. and *Glaciozyma watsonii* sp. nov. *Extremophiles* 15:573–586.
32. G. Perretti, S. Floridi, B. Turchetti, O. Marconi, P. Fantozzi (2011). Quality control of malt - turbidity problems of standard worts given by the presence of microbial cells. *Journal of the Institute of Brewing* 117(2), 212–216.
33. L. Zucconi, L. Selbmann, P. Buzzini, B. Turchetti, M. Guglielmin, J. C. Frisvad, S. Onofri (2012) Searching for eukaryotic life preserved in Antarctic permafrost. *Polar Biology* 35: 749-757.
34. G.C. Varese, P. Angelini, M. Bencivenga, P. Buzzini, D. Donnini, M. L. Gargano, O. Maggi, L. Pecoraro, A. M. Persiani, E. Savino, V. Tigini, B. Turchetti, G. Vannacci, G. Venturina, A. Zambonelli (2011). Ex situ conservation and exploitation of fungi in Italy. *Plant Biosystems* 145(4), 997–1005.
35. C. Nativi, O. Francesconi, G. Gabrielli, I. De Simone, B. Turchetti, T. Mello, L. Di Cesare Mannelli, C. Ghelardini P. Buzzini, S. Roelens (2012). Aminopyrrolic synthetic receptors for monosaccharides: a class of carbohydrate-binding agents endowed with antibiotic activity vs. pathogenic yeasts. *Chemistry - A European Journal* 18: 5064 5072.
36. N. Cadez, P. Raspor, B. Turchetti, G. Cardinali, G. Ciafardini, G. Veneziani, G. Peter (2012) *Candida adriatica* sp. nov. and *Candida molendinolei* sp. nov., two novel yeast species isolated from olive oil and its by-products. *International Journal of Systematic and Evolutionary Microbiology* 62: 2296-2302.
37. P. Buzzini, E. Branda, M. Goretti, B. Turchetti (2012) Psychrophilic yeasts from worldwide glacial habitats: diversity, adaptation strategies and biotechnological potential. *FEMS Microbiology Ecology* 82: 217–241.
38. T. Jagielski, P. Buzzini, H. Lassa, E. Malinowski, E. Branda, B. Turchetti, A. Polleichtner, U. Roesler, P.E. Lagneau, S. Marques, E. Silva, G. Thompson, R. Stachowiak, J. Bieleck (2012) Multicentre Etest evaluation of in vitro activity of conventional antifungal drugs against European bovine mastitis *Prototheca* spp. isolates. *Journal of Antimicrobial Chemotherapy* 67(8):1945-7.
39. M. Goretti, E. Branda, B. Turchetti, M.R. Cramarossa, A. Onofri, L. Forti, P. Buzzini (2012) Response surface methodology as optimization strategy for asymmetric bioreduction of (4S)-(+)-carvone by *Cryptococcus gastricus*. *Bioresource Technology* 121: 290-297.
40. O. Maggi, S. Tosi, M. Angelova, E. Lagostina, A.A. Fabbri, L. Pecoraro, E. Altobelli, A.M. Picco, E. Savino, E. Branda, B. Turchetti, M. Zotti, A. Vizzini, P. Buzzini (2013) Adaptation of fungi, including yeasts, to cold environments. *Plant Biosystems* 147: 247–258.
41. B. Turchetti, M. Goretti, E. Branda, G. Diolaiuti, C. D'Agata, C. Smiraglia, A. Onofri, P. Buzzini (2013) Influence of abiotic variables on culturable yeast diversity in two distinct Alpine glaciers. *FEMS Microbiology Ecology* 86: 327-340.
42. M. Goretti, B. Turchetti, M.R. Cramarossa, L. Forti, P. Buzzini (2013) Production of Flavours and Fragrances via Bioreduction of (4R)-(-)-Carvone and (1R)-(-)-Myrtenal by Non-Conventional Yeast Whole-Cells. *Molecules* 18: 5736-5748.
43. L. Selbmann, L. Zucconi, S. Onofri, C. Cecchini, D. Isola, B. Turchetti, P. Buzzini (2014) Taxonomic and phenotypic characterization of yeasts isolated from worldwide cold rock-associated habitats. *Fungal Biology* 118: 61-71.
44. L. Selbmann, B. Turchetti, A. Yurkov, C. Cecchini, L. Zucconi, D. Isola, P. Buzzini, S. Onofri (2014) Description of *Taphrina antarctica* f.a. sp. nov., a new anamorphic ascomycetous yeast species associated with Antarctic endolithic microbial communities and transfer of four *Lalaria* species in the genus *Taphrina*. *Extremophiles* , 18:707–721.

45. B. Turchetti, L. Selbmann, R.A. Blanchette, S. Di Mauro, E. Marchegiani, L. Zucconi, B.E. Arenz, P. Buzzini (2015) *Cryptococcus vaughanmartinae* sp. nov. and *Cryptococcus onofrii* sp. nov.: two new species isolated from worldwide cold environments. *Extremophiles*, 19:149-159.
46. D. Pezzolla, G. Marconi, B. Turchetti, C. Zadra, A. Agnelli, F. Veronesi, A. Onofri, G.M.N. Benucci, P. Buzzini, E. Albertini, G. Gigliotti (2015) Influence of exogenous organic matter on prokaryotic and eukaryotic microbiota in an agricultural soil. A multidisciplinary approach. *Soil Biology & Biochemistry*, 82:9-20.
47. G. De Francesco, B. Turchetti, V. Sileoni, O. Marconi, G Perretti (2015) Screening of new strains of *Saccharomyces ludwigii* and *Zygosaccharomyces rouxii* to produce low-alcohol beer. *Journal of the Institute of Brewing* 121(1):113-121.
48. F-Z.K. Labbani, B. Turchetti, L. Bennamoun, S. Dakhmouche, R. Roberti, L. Corazzi, Z. Meraihi, P. Buzzini (2015) A novel killer protein from *Pichia kluyveri* isolated from an Algerian soil purification and characterization of its in vitro activity against food and beverage spoilage yeasts Antonie van Leeuwenhoek, 107:961–970.
49. C. Garofalo, A. Osimani, V. Milanovi, L. Aquilanti, F. De Filippis, G. Stellato, S. Di Mauro, B. Turchetti, P. Buzzini, D. Ercolini, F. Clementi (2015) Bacteria and yeast microbiota in milk kefir grains from different Italian regions. *Food Microbiology* 49: 123-133.
50. L. Forti, S. Di Mauro, M.R. Cramarossa, S. Filippucci, B. Turchetti and P. Buzzini (2015) Non-Conventional yeasts whole cells as efficient biocatalysts for the production of flavors and fragrances. *Molecules*, 20, 10377-10398.
51. P. Almeida, R. Barbosa, P. Zalar, Y. Imanishi, K. Shimizu, B. Turchetti, J-L Legras, M. Serra, S. Dequin, A. Coulou, J. Guy, D. Bensasson, P. Goncalves, J.P. Sampaio (2015) A Population Genomics Insight into the Mediterranean Origins of Wine Yeast Domestication. *Molecular Ecology* 24, 5412–5427.
52. A. Rapoport, B. Turchetti, P. Buzzini (2016) Application of anhydrobiosis and dehydration of yeasts for non-conventional biotechnological goals. *World Journal of Microbiology and Biotechnology* 32, 104-114.
53. K.L. Boundy-Mills, E. Glantschnig, I.N. Roberts, A. Yurkov, S. Casaregola, H.-M. Daniel, M. Groenewald, B. Turchetti (2016). Yeast culture collections in the twenty-first century: new opportunities and challenges. *Yeast* 33, 243–260.
54. L. França, C. Sannino, B. Turchetti, P. Buzzini, R. Margesin (2016) Seasonal and altitudinal changes of culturable bacterial and yeast diversity in Alpine forest soils. *Extremophiles* 20, 855–873.
55. L. Mokhtarnejad, M. Arzanlou, A. Babai-Ahari, S. Di Mauro, A. Onofri, P. Buzzini, B. Turchetti (2016) Characterization of basidiomycetous yeasts in hypersaline soils of the Urmia Lake National Park Iran. *Extremophiles* 20, 915–928.
56. L. Bennamoun, S. Hilgsmann, S. Dakhmouche, A. Ait-Kaki, F-Z. K. Labbani, T. Nouadri, Z. Meraihi, B. Turchetti, P. Buzzini, P. Thonart (2016) Production and Properties of a Thermostable, pH–Stable Exo-Polygalacturonase Using *Aureobasidium pullulans* Isolated from Saharan Soil of Algeria Grown on Tomato Pomace. *Foods* 5, 72.
57. S. Filippucci, G. Tasselli, A. Scardua, S. Di Mauro, M.R. Cramarossa, D. Perini, B. Turchetti, A. Onofri, L. Forti, P. Buzzini (2016) Study of *Holtermanniella wattica*, *Leucosporidium creatinivorum*, *Naganishia adeliensis*, *Solicozozyma aeria*, and *Solicozozyma terricola* for their lipogenic aptitude from different carbon sources. *Biotechnology for Biofuels*. 9:259 DOI 10.1186/s13068-016-0672-1.
58. A. Trochine, B. Turchetti, A.B. Vaz, L. Brandao, L. Rosa, P. Buzzini, C. Rosa, D. Libkind (2017) Description of *Dioszegia patagonica* sp. nov., a novel carotenogenic yeast isolated from cold environments. *Int. J. Syst. Evol. Microbiol.* 67(11):4332-4339.
59. T. Jagielski, Z. Bakula, S. Di Mauro, C. Casciari, V. Cambiotti, H. Krukowski, B. Turchetti, M. Ricchi, E. Manuali, P. Buzzini (2017) A comparative study of the in vitro activity of iodopropynyl butylcarbamate and amphotericin B against *Prototheca* spp. isolates from European dairy herds. *Journal of Dairy Science* 100:7435–7445.
60. P. Buzzini, B. Turchetti, A. Yurkov (2018) Extremophilic yeasts: the toughest yeasts around? *Yeast* 35(8):487-497.
61. L. Borruso, C. Sannino, L. Selbmann, D. Battistel, L. Zucconi, M Azzaro, B. Turchetti, P. Buzzini, M. Guglielmin (2018) A thin ice layer segregates two distinct fungal communities in Antarctic brines from Tarn Flat (Northern Victoria Land). *Scientific Reports* 8:6582 | DOI:10.1038/s41598-018-25079-3.
62. B. Turchetti, L. Selbmann, N. Gunde-Cimerman, P. Buzzini, J.P. Sampaio, P. Zalar (2018) *Cystobasidium alpinum* sp. nov. and *Rhodospordiobolus oreadorum* sp. nov. from European Cold Environments and Arctic Region. *Life* 5:8(2). pii: E9. doi: 10.3390/life8020009.
63. G. Tasselli, S. Filippucci S, E. Borsella, S. D'Antonio, M. Gelosia, G. Cavalaglio, B. Turchetti, C. Sannino, A. Onofri, S. Mastrolitti, I. De Bari, F. Cotana, P. Buzzini (2018) Yeast lipids from cardoon stalks, stranded driftwood and olive tree pruning residues as possible extra sources of oils for producing biofuels and biochemicals. *Biotechnology for Biofuels* 11:147.
64. S. Rossi, B. Turchetti, V. Sileoni, O. Marconi, G.I.F. Perretti (2018) Evaluation of *Saccharomyces cerevisiae* strains isolated from non-brewing environments in beer production. *Journal of the Institute of Brewing* 124: 381–388.

65. G. De Francesco, C. Sannino, V. Sileoni, O. Marconi, S. Filippucci, G. Tasselli, B. Turchetti (2018) *Mrakia gelida* in brewing process: An innovative production of low alcohol beer using a psychrophilic yeast strain. *Food Microbiology* 76:354–362.
66. G. Khroustalyova, G. Giovannitti, D. Severini, R. Scherbaka, B. Turchetti, P. Buzzini, A. Rapoport (2019) Anhydrobiosis in yeasts: psychrotolerant yeasts are highly resistant to dehydration. *Yeast* 36(5):375-379.
67. A. V. Kachalkin, B. Turchetti, J. Inácio, C. Carvalho, T. Mašínová, A. Pontes, O. Röhl, A. M. Glushakova, A. Akulov, P. Baldrian, D. Begerow, P. Buzzini, J. P. Sampaio, A. M. Yurkov (2019) Rare and undersampled dimorphic basidiomycetes. Rare and undersampled dimorphic basidiomycetes. *Mycological Progress* 18:945–971.
68. G. Tasselli, S. Filippucci, S. D'Antonio, G. Cavalaglio, B. Turchetti, F. Cotana, P. Buzzini (2019) Optimization of enzymatic hydrolysis of cellulosic fraction obtained from stranded driftwood feedstocks for lipid production by *Solicozozyma terricola*. *Biotechnology Reports* 7:24:e00367.
69. A. M. Yurkov, C. Sannino, B. Turchetti (2019) *Mrakia fibulata* sp. nov., a psychrotolerant yeast from temperate and cold habitats. *Antonie van Leeuwenhoek* Nov 22. doi: 10.1007/s10482-019-01359-4.
70. A. Troilo, G. De Francesco, O. Marconi, V. Sileoni, B. Turchetti, G. Perretti (2019) Low Carbohydrate Beers Produced by a Selected Yeast Strain from an Alternative Source. *Journal of the American Society of Brewing Chemists*, DOI: 10.1080/03610470.2019.1682887
71. L. De Vero, M.B. Boniotti, M. Budroni, P. Buzzini, S. Cassanelli, R. Comunian, M. Gullo, A.F. Logrieco, I. Mannazzu, R. Musumeci, I. Perugini, G. Perrone, A. Pulvirenti, P. Romano, B. Turchetti, G.C. Varese (2019) Preservation, Characterization and Exploitation of Microbial Biodiversity: The Perspective of the Italian Network of Culture Collections. *Microorganisms* 7, 685.
72. C. Sannino, L. Borruso, C. Smiraglia, A. Bani, A. Mezzasoma, L. Brusetti, B. Turchetti, P. Buzzini (2020) Dynamics of in situ growth and taxonomic structure of fungal communities in Alpine supraglacial debris. *Fungal Ecology* 44 (100891).
73. A.-H. Li, F.-X. Yuan, M. Groenewald, K. Bensch, A.M. Yurkov, K. Li, P.-J. Han, L.-D. Guo, M.C. Aime, J.P. Sampaio, S. Jindamorakot, B. Turchetti, J. Inacio, B. Fungsin, Q.-M. Wang, F.-Y. Bai (2020) Diversity and phylogeny of basidiomycetous yeasts from plant leaves and soil: Proposal of two new orders, three new families, eight new genera and one hundred and seven new species. *Studies in Mycology* (In press)

Book chapters

- P. Buzzini, B. Turchetti, D. Heimler, C. Gasparetti, P. Pinelli, A. Romani. Mediterranean plants as a source of antimicrobial compounds active towards yeast and yeast-like microorganisms: a review (2005) In.: *Recent Progress in Medicinal Plants*; Vol. 14, 537-568. (Singh V.K., Govil J.N., Singh G. eds.), Studium Press LLC, Houston, TX, USA.
- P. Buzzini, B. Turchetti, F. Ieri, M. Goretti, E. Branda, N. Mulinacci, A. Romani. Catechins and Proantocyanidins: naturally occurring O-heterocycles with antimicrobial activity. In: *Topics in Heterocyclic Chemistry: Bioactive Heterocycles* (Khan D. ed.), Springer-Verlag, Berlin, Germany; pp 239-263, 2007.
- P. Buzzini, A. Osimani, B. Turchetti; Cap.2: Organizzazione del lavoro in un laboratorio didattico. P. Buzzini e B. Turchetti; Cap. 4: Tecniche di sterilizzazione. P. Buzzini e B. Turchetti; Cap. 8: Tecniche per la valutazione dello sviluppo microbico. P. Buzzini e B. Turchetti; Cap. 10: Osservazione dei caratteri fisiologici e metabolici nelle colture microbiche. In: A. Vaughan, P. Buzzini, F. Clementi. *Laboratorio Didattico di Microbiologia*, Casa Editrice Ambrosiana, Milano, 2008.
- P. Buzzini, M. Goretti, E. Branda, B. Turchetti. Basidiomycetous yeasts for production of carotenoids. In: *Encyclopedia of Industrial Biotechnology* (Flickinger M. ed), Vol.1, Wiley & Sons, New York, NY, USA, 2010.
- P. Buzzini, P. Vignolini, M. Goretti, B. Turchetti, E. Branda, E. Marchegiani, P. Pinelli, A. Romani. Green tea catechins: a class of molecules with antimicrobial activity. In: *Handbook of Green Tea and Health Research* (McKinley H. and Jamieson M. eds), Nova Science Publishers Inc., New York, NY, USA, 2009.
- P. Buzzini, M. Goretti, C. Ponzoni, E. Caselli, E. Branda, M.R. Cramarossa, B. Turchetti, L. Forti. Asymmetric reduction of (4S)-(+)-carvone catalyzed by enoate reductases (ERs) expressed by non-conventional yeast (NCY) whole-cells. In: *Practical Methods for Biocatalysis and Biotransformations* (Whittall J., Sutton P. eds.), Wiley, New York, NY, USA, 2012, pp.100-103.
- B. Turchetti, M. Goretti, P. Buzzini, R. Margesin. Cold-Adapted Yeasts in Alpine and Apennine Glaciers. In: *Cold-adapted Yeasts* (Buzzini P., Margesin R. eds.) Springer-Verlag, Berlin, Germany, 2013, pp. 99-122.
- P. Buzzini, S. Di Mauro, B. Turchetti. Yeasts as starter cultures. In: *Starter cultures in food production* (Speranza B., Bevilacqua A., Corbo M.R., Sinigaglia M. eds.), Wiley Blackwell, New York, NY, USA, 2017, pp. 16-49.
- L. Forti, M.R. Cramarossa, S. Filippucci, G. Tasselli, B. Turchetti, P. Buzzini. Nonconventional yeast-promoted biotransformation for the production of flavour compounds. In: *Natural and artificial flavouring agents and food dyes* (Grumezescu A., Holban A.M. eds.), Elsevier Inc. 2017 (in press)
- M. Baeza, J. Alcaíno, V. Cifuentes, B. Turchetti, P. Buzzini. Cold-Active Enzymes from Cold-Adapted Yeasts. In: *Biotechnology of Yeasts and Filamentous Fungi* (Sibirny A.A. ed.) Springer-Verlag, Berlin, Germany, 2017, pp. 297-324.
- G. Tasselli, S. Filippucci, C. Sannino, B. Turchetti, P. Buzzini. Cold-Adapted Basidiomycetous Yeasts as a Source of Biochemicals. In: *Psychrophiles: From Biodiversity to Biotechnology* (second edition) (Margesin R. ed) Springer-Verlag, Berlin, Germany, 2017, pp. 555-584.

12. D. Libkind, P. Buzzini, B. Turchetti, C. Rosa. Yeasts in Continental and Seawater. In: Yeasts in Natural Ecosystems: Diversity (Buzzini P., Lachance M.A. and Yurkov A. eds.) Springer-Verlag, Berlin, Germany, 2017, pp 1-61.
13. P. Buzzini, M. Turk, L. Perini, B. Turchetti, N. Gunde-Cimerman. Yeasts in Polar and Subpolar Habitats. In: Yeasts in Natural Ecosystems: Diversity (Buzzini P., Lachance M.A. and Yurkov A. eds.) Springer-Verlag, Berlin, Germany, 2017, pp. 331-365.
14. C. Sannino, G. Tasselli, S. Filippucci, B. Turchetti, P. Buzzini. Yeasts in Nonpolar Cold Habitats. In: Yeasts in Natural Ecosystems: Diversity (Buzzini P., Lachance M.A. and Yurkov A. eds.) Springer-Verlag, Berlin, Germany, 2017, pp. 367-396.
15. M. Groenewald, K. Boundy-Mills, N. Čadež, R. Endoh, S. Jindamorakot, C. Pohl-Albertyn, C.A. Rosa, B. Turchetti, A. Yurkov. In: Yeasts in Natural Ecosystems: Diversity (Buzzini P., Lachance M.A. and Yurkov A. eds.) Springer-Verlag, Berlin, Germany, 2017, pp. 455-476.
16. C. Sannino, A. Mezzasoma, P. Buzzini, B. Turchetti. Non-conventional Yeasts for Producing Alternative Beers In: Non-conventional Yeasts: from Basic Research to Application (A. Sibirny. ed.) Springer-Verlag, Berlin, Germany, 2019, pp. 361-388.

Patents

1. A. Romani, P. Buzzini, I. Chessa, F. Franconi, P. Pinelli, B. Turchetti, G. Nieddu (2005). Uso di estratti di mirto e di altre piante di macchia mediterranea standardizzati in contenuto polifenolico quali agenti ad attività antimicotica nei confronti di lieviti e di microrganismi lievito-simili. Brevetto Italiano No 0001361973 rilasciato il 18 giugno 2005
2. A. Romani, P. Buzzini, I. Chessa, F. Franconi, P. Pinelli, B. Turchetti, G. Nieddu. Use of extracts of myrtle and other mediterranean plants species, standardized in the content of polyphenol molecules, as a novel active antimycotic agents towards yeast and yeast-like microorganisms of biomedical interest. International Publication number EP1945237 (2008)

Invited and selected speaker in International Conferences

1. B. Turchetti, C. Sannino, S. Di Mauro, S. Filippucci, P. Buzzini. Yeasts culture collections: how to transform sleeping beauties in real opportunities. 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
2. B. Turchetti, C. Sannino, S. Filippucci, G. Tasselli, P. Buzzini. Yeasts Culture Collections: source of diversity for the twenty-first century 43rd Annual Conference on Yeast, Smolenice, Slovakia, 10 – 13 May, 2016.
3. B. Turchetti, E. Albertini, G. Marconi, C. Sannino, P. Buzzini. DNA methylation changes in psychrophilic and psychrotolerant yeasts under cold stress. 14th International Congress on Yeasts (ICY14), Awaji Island, Japan, 11-15 June 2014.
4. B. Turchetti, C. Sannino, A. Mezzasoma, P. Buzzini. New yeast species isolated from worldwide cold environments. XXXVIII Annual meeting European Culture Collections' Organisation (ECCO 2019). Torino (Italy), 12-14 June 2019

Posters in International Conferences

1. B. Turchetti, P. Pinelli, P. Buzzini, A. Romani, D. Heimler, F. Franconi. Antimycotic activity of some galloyl-derivatives extracted from leaves of *Camellia sinensis* towards yeast and yeast-like strains. Proc. XXII Int. Conf. on Polyphenols, Helsinki, 25-28 August 2004.
2. S. Menichetti, A. Romani, P. Pinelli, P. Vignolini, F.F. Vincieri, B. Turchetti, P. Buzzini, C. Nativi (2004) Synthesis of pirogalloyl esters-methylglucosides and evaluation of antioxidant and antimicrobial activity. Proc. XXII Int. Conf. on Polyphenols, Helsinki, 25-28 August 2004.
3. A. Romani, F. Ieri, P. Vignolini, P. Pinelli, B. Turchetti, P. Buzzini. Polyphenols and condensed tannins as antimycotic compounds of vegetable origin. Proc. Int. Congr. Euro Food Chem XIII, Hamburg (Germany), September 21-23, 2005.
4. P. Buzzini, B. Turchetti, C. Gasparetti, G. Diolaiuti, C. D'Agata, A. Vaughan-Martini, C. Smiraglia. Isolation of viable yeasts from subglacial sediments and melting waters of two Italian alpine glaciers. Proc. Int. Conf. on Alpine and Polar Microbiology, Innsbruck (Austria), March 27-31, 2006.
5. P. Buzzini, C. Gasparetti, M.R. Cramarossa, B. Turchetti, L. Forti, A. Vaughan-Martini. Industrial application of culture collections: yeasts of environmental origin as cellular catalysts for the biotransformation of monoterpenoids of agroalimentary interest. Proc. ECCO XXV – Annual General Meeting of the European Culture Collections' Organization, Budapest, June 7-10, 2006.
6. P. Arapitsas, S. Menichetti, P. Buzzini, B. Turchetti, A. Chiarugi, L. Formentini, C. Nativi, F. F. Vincieri, A. Romani. Glucogalloyl derivatives: synthesis, spectroscopic properties, antimycotic and PARG-inhibition activity. Proc. XXIIIrd Int. Conf. Polyphenols, Winnipeg, Manitoba, Canada, August 22-25, 2006.
7. L. Scaccabarozzi, B. Turchetti, G. Pisoni, P. Buzzini, P. Moroni. Environmental sources of *Prototheca* sp. in a dairy herd in Italy. Proc. NMC 46th Annual Meeting, San Antonio, Texas, USA, January 21-24, 2007.
8. A. Romani, F. Ieri, D. Tacconi, L. Borsacchi, P. Pinelli, B. Turchetti, P. Buzzini, G. Cicerone, M. Romani. Biomass from Mediterranean plants as sources of antioxidant, antimycotic extracts and energy. Proc. 15th European Biomass Conference & Exhibition, Berlin (Germany), may 7-11, 2007.
9. C. Ponzoni, M. R. Cramarossa, S. Riva, P. Buzzini, M. Goretti, B. Turchetti, L. Forti. Screening of enoate reductase activity in yeasts: chemoselective whole-cell bioreduction of (4S)-(+)-carvone. Proc. 8th Int. Symposium Biocatalysis Biotransformation, Oviedo (Spain), July 8-13, 2007.
10. M. Goretti, C. Gasparetti, C. Ponzoni, M. R. Cramarossa, P. Buzzini, B. Turchetti, L. Forti. Yeasts of environmental origin as biocatalysts for the asymmetric reduction of electron-poor alkenes. Proc. Int. Conf. Physiology of Yeasts and Filamentous Fungi, Helsinki (Finland), June 13-16, 2007.

11. P. Buzzini, B. Turchetti, M. Goretti, E. Branda, C. D'Agata, G. Diolaiuti, C. Smiraglia. Identification of culturable yeasts isolated from subglacial sediments, ice and melt waters of two Italian Alpine glaciers. XXIV Int. Congr. IUGG, Perugia, July 2-13, 2007.
12. P. Arapitsas, B. Turchetti, S. Menichetti, P. Buzzini, A. Romani. Hydrolisable tannins: Chemistry and antimycotic activity, 3rd International Symposium on Recent Advances in Food Analysis, Prague (Czech Republic), November, 7-9, 2007, 395.
13. E. Branda, B. Turchetti, P. Buzzini, M. Goretti, M. Amici, M. Pecci, G. Diolaiuti, and C. Smiraglia. Identification of culturable psychrophilic yeasts isolated from sediments and melt waters of the Calderone Glacier (Italy). II Int. Conf. Environmental, Industrial and Applied Microbiology, Seville, Spain, 28/11 – 1/12 2007.
14. M. Goretti, C. Ponzoni, E. Caselli, M.R. Cramarossa, E. Marchegiani, B. Turchetti, L. Forti, P. Buzzini. Yeast cells as biocatalysts for bioreduction of activated alkenes. 27th International Specialized Symposium on Yeasts, Paris, France, August 26-29, 2009.
15. E. Marchegiani, M. Goretti, E. Caselli, E. Branda, M.R. Cramarossa, C. Ponzoni, B. Turchetti, L. Forti, P. Buzzini. Psychrophilic yeasts: new biocatalysts for enoate reductase activities. 14th European Congress on Biotechnology, Barcellona, Spain, September 13-16, 2009.
16. B. Turchetti, E. Branda, M. Goretti, P. Buzzini. Studies on psychrophilic yeasts isolated from glaciers and collected in the DBVPG Industrial Yeasts Collection. ECCO XXIX Annual Meeting (European Culture Collections' Organization), Istanbul, Turkey, July 1-2, 2010. (Best poster award)
17. B. Turchetti, E. Branda, M. Goretti, P. Buzzini. Recent studies on the Yeast-like genus *Prototheca* in the Industrial Yeasts Collection DBVPG. ECCO XXX Annual Meeting (European Culture Collections' Organization), Utrecht, The Netherlands, July 16-17, 2011.
18. M. Goretti, E. Branda, B. Turchetti, M.R. Cramarossa, L. Forti, P. Buzzini. Non-conventional yeasts (NCYs) as new biocatalysts for selective biotransformation. Proc. 29th Int. Specialized Symposium on Yeasts, Guadalajara, Mexico, August 29-September 02, 2011, p. 102.
19. B. Turchetti, E. Branda, M. Goretti, P. Buzzini. Taxonomic, physiologic and ecologic characterization of Psychrophilic yeasts isolated from south European glaciers. First International Conference on microbial diversity 2011 - Environmental stress and adaptation, MD 2011, 26-28 October 2011, Milan, Italy.
20. D. Pezzolla, B. Turchetti, P. Buzzini, E. Albertini, A. Agnelli, G. Gigliotti. Organic C balance and dynamic of microbial population in a soil amended with livestock-derived organic materials. 4th International Congress Eurosoil 2012, Bari, Italy, 2-6 July, 2012.
21. P. Buzzini, E. Branda, M. Goretti, B. Turchetti. Taxonomy, physiology and ecology of psychrophilic yeasts isolated from South European glaciers. ICY 13th International Congress on Yeasts, Madison, Wisconsin, USA, August 26-30, 2012.
22. G. Gigliotti, D. Pezzolla, C. Zadra, E. Albertini, G. Marconi, B. Turchetti, P. Buzzini. Dynamics of organic matter and microbial populations in amended soil: a multidisciplinary approach. European Geoscience Union (EGU) General Assembly 2013, Vienna, Austria, April 7-12, 2013.
23. G. De Francesco, B. Turchetti, V. Sileoni, O. Marconi, G. Perretti. Screening of new Yeast Strains of *Saccharomyces ludwigii* and *Zygosaccharomyces rouxii* to producing Low Alcohol Beer. 8th CIGR Section VI - International Symposium on "Advanced Food Processing and Quality Management" – Guangzhou, China, 3-7 November 2013.
24. S. Rossi, B. Turchetti, O. Marconi, L. Sia, G. Perretti, P. Buzzini, P. Fantozzi. Improvement of craft beer quality by using autochthonous yeasts. Advances in Food Processing: Challenges for the Future, Campinas, São Paulo, Brazil, 5-7 November 2014.
25. G. Marozzi, B. Turchetti, D. Donnini, G.M.N. Benucci, G. Bonito, E. Albertini. Why can't white truffles (*Tuber magnatum*) be cultivated? Isolation and characterization of microorganisms that may play a role in truffle mycorrhization and fruitbody production. 8th International Conference on Mycorrhiza (ICOM8). Flagstaff, Arizona, USA, August 3-7, 2015.
26. L. Mokhtarejad, M. Arzanlou, A. Babai-Ahari, P. Buzzini, S. Di Mauro, B. Turchetti. Yeast culturable diversity in the soils of the Urmia Lake National Park, Iran. 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
27. L. Mokhtarejad, M. Arzanlou, A. Babai-Ahari, P. Buzzini, S. Di Mauro, B. Turchetti. Yeast culturable diversity in the soils of the Urmia Lake National Park, Iran. 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
28. F.Z.K. Labbani, B. Turchetti, L. Bennamoun, S. Dakhmouche, R. Roberti, L. Corazzi, Z. Meraihi, P. Buzzini. A novel killer protein from *Pichia kluyveri* isolated from an Algerian soil 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
29. L. Bennamoun, S. Dakhmouche, F.Z.K. Labbani, A. Ait-Kaki, T. Nouadri, Z. Meraihi, B. Turchetti, P. Buzzini, P. Thonart. Utilization of by-products of tomato manufacturing for producing polygalacturonase by a strain of *Aureobasidium pullulans* isolated from Saharan soil. 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.

30. S. Di Mauro, S. Filippucci, B. Turchetti, C. Sannino, P. Buzzini. Functional screening of Non-Conventional Yeasts (NCYs) for their ability to accumulate intracellular lipids. 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
31. F. D'Achille, S. Di Mauro, C. Sannino, S. Filippucci, B. Turchetti, M.R. Cramarossa, P. Buzzini, L. Forti. Functional screening of Non-Conventional Yeasts (NCYs) as biocatalysts for alkenes reduction. 32th International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
32. B. Turchetti, C. Sannino, S. Di Mauro, S. Filippucci, P. Buzzini. The Industrial Yeasts Collection DBVPG (Italy): a one hundred years long history International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015.
33. G. Tasselli, S. Filippucci, E. Borsella, S. D'Antonio, M. Gelosia, G. Cavalaglio, B. Turchetti, S. Mastrolitti, I. De Bari, F. Cotana, P. Buzzini (2017) Basidiomycetous yeasts for producing lipids from 2nd generation carbohydrates. 33th International Specialized Symposium on Yeasts (ISSY33). Cork, Ireland, June 26-29, 2017.
34. K.L. Boundy-Mills, E. Glantschnig, I. Roberts, A. Yurkov, S. Casaregola, H.-M. Daniel, M. Groenewal, B. Turchetti (2017) Role of Yeast Culture Collections in Industry and Biotechnology. 14th International Conference on Culture Collection (ICCC-14), Singapore, 17-22 July, 2017.

Organization of International
Conferences
Scientific Committee of
International Conferences

Member of the Organizing committee of the International Specialized Symposium on Yeasts (ISSY32). Perugia, Italy, September 13-17, 2015

Member of the Scientific Committee del XXXVIII Annal meeting European Culture Collections' Organisation (ECCO 2019). Torino (Italy), June 12-14, 2019

Perugia, 11 February 2020