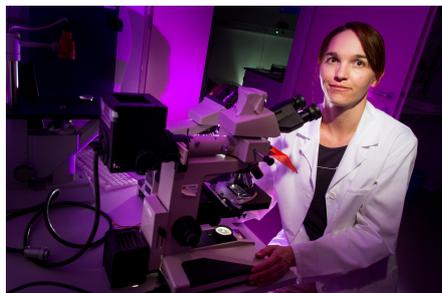


# Curriculum Vitae



## Personal information

Surname / First name **BUTINAR Lorena**  
Address (home) 5A, Rejčeva, 5000, Nova Gorica, Slovenia  
(work) University of Nova Gorica; Wine Research Centre, 8, Glavni trg, SI-5271, Vipava, Slovenia  
Telephone (work) + 386 5 9099 702  
Fax (work) + 386 5 9099 722  
Mobile +386 41 37 01 52  
E-mail lorena.butinar@ung.si  
Nationality Slovene  
Date of birth 02.02.1976  
Gender Female  
Marital/ family status Cohabiting partnership Alan Keber/ daughter Kaja (04.12.2005) and son Enej (20.04.2010)

## Desired employment / Occupational field

Molecular biology of conventional and non-conventional wine yeasts (e.g. *Dekkera bruxellensis*); Wine microbiology (microbiology of grapes, must and wine, spontaneous wine fermentations vs. controlled fermentations, development of novel yeast starters, biocontrol); Extremophilic fungi (taxonomy, systematics, ecology)

## Work experience

**Dates** **November 2001**  
Occupation or position held Curator of the Culture Collection of the National Institute of Chemistry (MZKI)  
Main activities and responsibilities Working on research projects that were a part of the collection activities. Work connected to basic collection activities: accession, preservation and maintenance as well as the constant necessity to check the viability and authenticity of the biological material; managing documentation, preparing and up-dating catalogue and on-line information; providing resource supply and other services to the scientific and industrial community, e.g. identification of microorganisms, public deposit, safe deposit, patent deposit, contract research, consultancy, training courses.  
Name and address of employer National Institute of Chemistry, 19, Hajdrihova, SI-1001, Ljubljana, Slovenia  
Type of business or sector Public research institution  
**Dates** **January 2002 to January 2008**  
Occupation or position held Young Researcher

Main activities and responsibilities	<ul style="list-style-type: none"> <li>– continuing with MZKI activities</li> <li>– the main aim was to take the degree of Doctor in Microbiology, entitled “Biodiversity of halophilic and psychrophilic fungi from natural extremophilic environments” and mentored by Prof. N. Gunde-Cimerman (University of Ljubljana, Slovenia). The theme of the Ph.D. study encompasses knowledge of fungal taxonomy and systematics, especially of yeasts and genera <i>Aspergillus</i> and <i>Penicillium</i> with associated teleomorphs; knowledge and application of classical (different microscopic techniques including scanning electron microscopy, biochemical and physiological tests) and the latest methods for identification of the forementioned fungal groups (chromatographic techniques TLC and HPLC, molecular methods: PCR, sequencing), and knowledge of statistical methods that are relevant for ecological data (multivariate analysis)</li> <li>– cooperation with French partners on Proteus project (principal investigator (PI): Prof. V. Alphanh, Université de la Méditerranée, Marseille; PI in Slovenia: Dr. J. Friedrich, National Institute of Chemistry, Ljubljana), entitled “Fungal Baeyer-Villigerase: research, characterization and application in asymmetric synthesis”. Screening of fungi for Baeyer-Villigerase activity by using gas chromatography (GC) (research filed: organic synthesis, biotechnology)</li> <li>– working on a bilateral project between Slovenia and Portugal, entitled “Yeasts in the hypersaline and cold environments” (PI in Slovenia: Prof. N. Gunde-Cimerman, University of Ljubljana; PI in Portugal: Prof. I. Spencer-Martins, New University of Lisbon, Caparica).</li> </ul>
Name and address of employer	National Institute of Chemistry, 19, Hajdrihova, SI-1001, Ljubljana, Slovenia
Type of business or sector	Public research institution
<b>Dates</b>	<b>January 2008 to March 2009</b>
Occupation or position held	Postdoctoral associate
Main activities and responsibilities	<ul style="list-style-type: none"> <li>– research in wine microbiology (microbial ecology during vinification, with emphasis on spontaneous fermentations) and research directed towards extremophilic fungi (their isolation, taxonomy, phylogeny, ecology).</li> </ul>
Name and address of employer	University of Nova Gorica, 13, Vipavska cesta, Rožna Dolina, SI-5000, Nova Gorica, Slovenia
<b>Dates</b>	<b>April 2009 to July 2014</b>
Occupation or position held	Head of the Wine Research Centre (WRC)
Main activities and responsibilities	Establishment and managing of the WRC at the UNG; Research and pedagogical work, project management (for detailed description see below*)
Name and address of employer	University of Nova Gorica, 13, Vipavska cesta, Rožna Dolina, SI-5000, Nova Gorica, Slovenia
<b>Dates</b>	<b>August 2014 onwards</b>
Occupation or position held	Assistant professor; at the Wine Research Centre

Main activities and responsibilities

**Pedagogical work** at the School for Viticulture and Enology (course principal of Principles of Microbiology and Wine microbiology; lecturer in a part of Principles of Enology and Biochemistry) and at the School of Environmental Sciences (lecturer in a part of Environmental Monitoring and Biology)

**Research work:**

Expert in the field of microbiology, with focus on fungal ecology and taxonomy, especially of yeasts and genera *Aspergillus* and *Penicillium* with associated teleomorphs, by using classical and novel chemotaxonomic and molecular methods. Last few years research work oriented on grape/wine microbiology with focus on biology of yeasts and *Botrytis cinerea*. In last year she started with studies of genes in wine yeasts that are associated with production of aroma compounds in wine. For former she was trained in yeast molecular biology and genetics at the Lund University within Prof Piskurs' group.

**Project management:**

*As principal investigator (PI):*

- International projects:  
INTERREG-EU project »AGROTUR«: Kraški agroturizem (2011-2014) (Lead partner: Agricultural Institute, Ljubljana)

*As investigator:*

- National projects:  
Project RP (ARRS): Genes behind aroma compounds in wine (2011 - 2014) (PI: Prof Jurij Piškur, UNG; from 2014 L. Butinar)  
- International projects:  
Bilateral project Slovenia-Argentina (ARRS): Fungal life and evolution in subglacial environments of Northern (Svalbard, Norway) and Southern Hemisphere (Northwestern Patagonia, Argentina) glaciers (PI: Prof Nina Gunde-Cimerman, BF)  
Bilateral project Slovenia-USA (ARRS): Establishment and dominance of domesticated yeast in fermenting grape must (2013-2014) (PI: Prof Jurij Piškur; from 2014 L. Butinar)  
- Interreg-EU project »HERITASTE«: The streets of knowledge and tastes (2011 - 2014) (Lead partner: Provincia di Udine, Italy)  
- Interreg-EU project »VISO«: Viticulture and sustainable development of local resources in the wine industry (2013 - 2015) (Lead partner: Institute of Applied Genomics, Udine, Italy)

Name and address of employer

University of Nova Gorica, 13, Vipavska cesta, Rožna Dolina, SI-5000, Nova Gorica, Slovenia

**Education**

Dates **2001 – 2007**

Title of qualification awarded Ph.D. in Microbiology

Principal subjects/occupational skills covered Graduate study in Biomedicine

Name and type of organisation providing education and training Faculty of Medicine  
University of Ljubljana  
Vrazov trg 2  
SI-1104 Ljubljana  
Slovenia

Dates **1994 – 2001**

Title of qualification awarded B.Sc. in Biology

Principal subjects/occupational skills covered the scope of molecular-biological module was genetics, microbiology and immunology

Name and type of organisation providing education and training Biotechnical Faculty  
University of Ljubljana  
Jamnikarjeva 101  
SI-1000 Ljubljana  
Slovenia

Dates **1990 – 1994**

Title of qualification awarded Gymnasium graduate

Name and type of organisation providing education and training  
Gimnazija Koper  
Cankarjeva 2  
SI-6000 Koper

### **Academic career**

Dates	2008
Title of qualification awarded	Assistant for microbiology
Principal subjects/occupational skills covered	Pedagogical activities at study programmes of Environment and Viticulture and Enology
Name and type of organisation providing education and training	University of Nova Gorica Vipavska cesta 13 SI-5000 Nova Gorica Slovenia
Dates	2012
Title of qualification awarded	Assistant professor for microbiology
Principal subjects/occupational skills covered	Pedagogical activities at study programmes of Environment and Viticulture and Enology
Name and type of organisation providing education and training	University of Nova Gorica Vipavska cesta 13 SI-5000 Nova Gorica Slovenia

### **Additional education & stays in other laboratories**

Dates	4.6.2002 - 19.7.2002
	Chemotaxonomy of fungi; FEMS (Federation of European Microbiological Societies) grant BioCentrum-DTU, Technical University of Denmark, Lyngby, Denmark
Dates	16.9. - 4.10.2002
	Classical and molecular methods for identification of yeasts; visit in connection with Slovenian-Portuguese bilateral project New University of Lisbon (Centro de Recursos Microbiológicos (CREM)), Quinta da Torre, Caparica, Portugal
Dates	20.6. - 15.8.2003
	Course entitled "Molecular Ecology, Taxonomy and Identification of Yeasts" New University of Lisbon (Centro de Recursos Microbiológicos (CREM)), Quinta da Torre, Caparica, Portugal
Dates	28. 6. - 2.7.2004
	Molecular methods for identification of yeasts Institute of Botany, Karl-Franzens-University, Graz, Austria
Dates	21. 5. - 3.6.2005
	GC, visit in connection with Proteus project Université de la Méditerranée, Marseille, France
Dates	24.3. - 25.3.2003
	Course of biochemical informatics

Dates	School year 2004 / 2005 and 2007 / 2008
	Course of rhetoric
Dates	November 2008 – February 2009
	Testing the knowledge and ability of wine tasters for the organoleptic evaluation of wines, wine must and other wine products
Dates	6.12. – 20.12.2009
	Research visit in connection with Slovenian-Argentinian bilateral project entitled “Fungal life and evolution in subglacial environments of Northern (Svalbard, Norway) and Southern Hemisphere (Northwestern Patagonia, Argentina) glaciers”
	Laboratorio de Microbiología Aplicada y Biotecnología, CRUB, UNComahue, (8400), Quintral 1250, Bariloche, CONICET, Argentina
Dates	August 2011 - January 2012
	Postdoctoral training in yeast molecular biology and genetics; SGM and OIV grant; Dept. of Biology, Lund University, Lund, Sweden (prof. Jure Piškur)
Dates	12.8. – 25.8.2014
	Research visit in connection with Slovenian-USA bilateral project entitled “Establishment and dominance of domesticated yeast in fermenting grape must” and “Creative core” programme “AHA-MOMENT” Washington University, St. Louis, USA (prof. Justin Fay)
<b>Memberships</b>	Slovenian Microbiological Society (SMD)
	The Society for General Microbiology (SGM)
	Slovenian Biochemical Society (SBD)
	Strokovno društvo vinogradnikov in vinarjev Slovenije (SDVVS)
<b>Awards and fellowships</b>	FEMS (Federation of European Microbiological Societies) fellowship
	O.I.V. (The International Organisation of Vine and Wine) grant

## Publications

- Butinar, L., Sonjak, S., Zalar, P., Plemenitaš, A., Gunde-Cimerman, N. (2005). Melanized halophilic fungi are eukaryotic members of microbial communities in hypersaline waters of solar salterns. *Bot. Mar.* 48: 73-79
- Butinar, L., Santos, S, Spencer-Martins, I., Oren, A., Gunde-Cimerman, N. (2005). Yeast diversity in hypersaline habitats. *FEMS Microbiol. Lett.* 244: 229-234
- Butinar, L., Zalar, P., Frisvad, J.C., Gunde-Cimerman, N. (2005). The genus *Eurotium* - members of indigenous fungal community in hypersaline waters of salterns. *FEMS Microbiol. Ecol.* 51: 155-166
- Butinar, L., Spencer-Martins, I., Gunde-Cimerman, N. (2007). Yeasts in high Arctic glaciers: the discovery of a new habitat for eukaryotic microorganisms. *Antonie van Leeuwenhoek* 91: 277-289
- Gunde-Cimerman, N., Butinar, L., Sonjak, S., Turk, M., Uršič, V., Zalar, P., Plemenitaš, A. (2005). Halotolerant and halophilic fungi from coastal environments in the Arctics. In: Gunde-Cimerman, N., Oren, A., Plemenitaš, A. (eds.). *Adaptation to life at high salt concentrations in Archaea, Bacteria, and Eukarya (Cellular origin, Life in Extreme Habitats and Astrobiology, 9)*. Dordrecht: Springer, pp. 397-423
- BUTINAR, Lorena, SONJAK, Silva, GUNDE-CIMERMAN, Nina (2009). Fungi in High Arctic Glaciers. In: KRUGGER, Max I., STERN, Harry P. (eds.). *New Permafrost and Glacier Research*. Nova Publishers, pp. 237-264, ISBN 978-1-60692-616-1.
- BUTINAR, Lorena, FRISVAD, Jens Christian, GUNDE-CIMERMAN, Nina (2011). Hypersaline waters : a potential source of foodborne toxigenic aspergilli and penicillia. *FEMS microbiology, ecology*, ISSN 0168-6496, vol. 77, no. 1, str. 186-199, doi: [10.1111/j.1574-6941.2011.01108.x](https://doi.org/10.1111/j.1574-6941.2011.01108.x).
- BUTINAR, Lorena, STRMOLE, Tadeja, GUNDE-CIMERMAN, Nina (2011). Relative incidence of ascomycetous yeasts in Arctic coastal environments. *Microbial ecology* 61: 832-843, doi: [10.1007/s00248-010-9794-3](https://doi.org/10.1007/s00248-010-9794-3).
- Mohorčič, M., Jerman, I., Zorko, M., Butinar, L., Orel, B., Jerala, R., Friedrich, J. (2010) Surface with antimicrobial activity obtained through silane coating with covalently bound polymyxin B. *J. Mater. Sci.: Mater. Med.* 21: 2775-2782
- SIVILOTTI, Paolo, BUTINAR, Lorena, STERNAD LEMUT, Melita (2013). Leaf removal treatments as affecting *Botrytis Cinerea* occurrence on Pinot Gris grapes from North Eastern Italy: results over four years of trials. V: QUEIROZ, Jorge (ur.). *Proceedings*, (Ciência e técnica vitivinícola, ISSN 0254-0223, vol. 28). Dois Porto: Estação vitivinícola nacional 28: 446-450.

For the full bibliography please follow: <http://izumbib.izum.si/bibliografije/Y20141216132324-A7145315.html>

## Personal skills and competences

Mother tongue(s)

**Slovene**

Other language(s)

Self-assessment

*European level (\*)*

**English**

**Italian**

**Croatian & Serbian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user
A2	Basic user	A2	Basic user	A2	Basic user	A1	Basic user	A2	Basic user
B2	Independent user	B2	Independent user	B2	Independent user	B1	Independent user	B1	Independent user

(\*) *Common European Framework of Reference for Languages*

Organisational skills and competences

In 2004 active as a member of the local organising committee for the Halophiles Congress 2004.  
In 2014 active as a member of the local organizing and scientific committee for the ISSY31 Symposium.

Computer skills and competences

Competent with most Microsoft Office programmes and some experience with HTML.

Driving licence

B category driving license.

**Additional information**

PERSONAL INTERESTS

I enjoy all sports, particularly skiing, cycling, hiking and running. I also love to travel and experience different cultures.