

Jéssica Carolina Gomes da Silva

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Citizenship: Brazilian



Summary

Professional Experience	+12 years of scientific training +8 years of industrial experience	
Skills and Expertise	Biotechnology	Yeast, Bacteria and Microalgae Cultivation
	Industrial Microbiology	Bioreactors
	Microbial Physiology	Pilot- and Industrial-Scale Trials
	Strain Characterization	Renewable Feedstocks Valorization
	Fermentation Technology	Project Management
Languages	Portuguese (native)	French (intermediate)
	English (fluent)	Spanish (basic)

Working Experience

Doctoral Student. Technical University of Vienna. Vienna, Austria. 2023 to present.

University Assistant. University of Vienna. Vienna, Austria. 2022 to 2023.

Biotechnology Coordinator. AQIA Química Inovativa. Guarulhos, Brazil. 2020 to 2022.

Technical Specialist. Lallemand. São Paulo, Brazil. 2016 to 2020.

Jr Researcher. Bunge. Orindiuva, Brazil. 2013 to 2016.

Intern. DNApta. São José do Rio Preto, Brazil. 2012 to 2012.

Intern. Federal University of São Carlos. Araras, Brazil. 2009 to 2012.

Education

MBA in Strategic and Economic Business Management. Getulio Vargas Foundation. 2019 to 2021.

MSc in Food Science and Engineering (Microbiology and Bioprocess). São Paulo State University. 2014 to 2016.

BSc in Biotechnology. Federal University of São Carlos. 2009 to 2013.

Publications and scientific contributions

Silva, Jéssica C. G.; Gonçalves, Ana; Faim, Vanessa; Bueno, Gisele; Bianchi, Vanildo. Evaluation of time influence in fermentation for biosurfactant production by *B. amyloliquefaciens* in solid state fermentation. In: XX National Bioprocesses Symposium, 2015, Fortaleza.

Silva, Jéssica C. G.; Ceccato-Antonini, Sandra; Bassi, Ana; Reis, Vanda. Control the growth of *Dekkera bruxellensis* during the treatment of yeast under pH, ethanol concentration, and temperature. In: XX Congress of Scientific Initiation – Federal University of São Carlos, 2013, Rio Claro.

Reis, Vanda; Bassi, Ana; **Silva, Jéssica C. G.;** Ceccato-Antonini, Sandra. (2013) Characteristics of *Saccharomyces cerevisiae* yeasts exhibiting rough colonies and pseudohyphal morphology with respect to alcoholic fermentation. Brazilian Journal of Microbiology 44 (4), 1121-1131. <https://doi.org/10.1590/S1517-83822014005000020>.

Bassi, Ana; **Silva, Jéssica C. G.**; Reis, Vanda; Ceccato-Antonini, Sandra. (2013) Effects of single and combined cell treatments based on low pH and high concentrations of ethanol on the growth and fermentation of *Dekkera bruxellensis* and *Saccharomyces cerevisiae*. World Journal of Microbiology and Biotechnology 29, 1661–1676. <https://doi.org/10.1007/s11274-013-1329-x>.

Silva, Jéssica C. G.; Bassi, Ana; Reis, Vanda; Ceccato-Antonini, Sandra. The combined effect of low pH and ethanol as a strategy to control the growth of *Dekkera bruxellensis* strains in ethanolic fermentation. In: 13th International Congress on Yeasts, 2012, Madison.

Reis, Vanda; Bassi, Ana; **Silva, Jéssica C. G.**; Ceccato-Antonini, Sandra. Stress tolerance and characterization of industrial strains of *Saccharomyces cerevisiae* with different colony phenotypes. In: 4th Congress of European Microbiologists - FEMS, 2011, Geneva.

Bassi, Ana; Reis, Vanda; **Silva, Jéssica C. G.**; Ceccato-Antonini, Sandra. Effect of pH and ethanol on the growth of *Dekkera bruxellensis* strains isolated from alcoholic fermentation. In: XVIII National Bioprocesses Symposium, 2011, Caxias do Sul.

Bassi, Ana; Reis, Vanda; **Silva, Jéssica C. G.**; Ceccato-Antonini, Sandra. Effect of agitation and carbon source on the fermentative potential of *Dekkera bruxellensis* strains contaminating ethanolic fermentation. In: XVIII National Bioprocesses Symposium, 2011, Caxias do Sul.

Reis, Vanda; Bassi, Ana; **Silva, Jéssica C. G.**; Ceccato-Antonini, Sandra. Evaluation of the fermentative capacity of *Saccharomyces cerevisiae* strains with different phenotypes regarding cell and colony structure. In: XVIII National Bioprocesses Symposium, 2011, Caxias do Sul.

Silva, Jéssica C. G.; Ceccato-Antonini, Sandra. Stress tolerance characterization of the parental strain of *Saccharomyces cerevisiae* (PE-02) and spore-derived haploids. In: V Symposium of Applied Microbiology, 2011, Rio Claro.