

CV Profile

I *Priscila da Silva Delabona*

Research interests

- Microbial (fungi, yeast and bacteria) fermentation processes from bench to pilot scale and downstream processing for bioactive molecules production of industrial interest;
- Pollutants bioremediation using different approaches;
- Design and execute solutions for biorefinery process to obtain high value products using lignocellulosic waste from the agri-food industry;
- Investigation of the biotechnological potential of fungi strains isolated from different biomes (screening, production, physiology and molecular biology);
- Bioactive Proteins (production, characterization, optimization and purification).

Education

PhD: (18/03/2011 - 20/03/2015)

Awards: Best Brazilian Biotechnology Thesis "CAPES Excellence in Research"

Master's Degree: (09/03/2009 - 14/03/2011)

Undergraduate Degree: (01/01/2005 - 20/08/2009)

Sector of activity

- Soil and groundwater remediation sector;
- Green technology industry (textile, biofuels, feed and food).

Experience

Please list in reverse order. Indicate the number of months.

- **Visiting Professor and Researcher** at *Universidade Federal de Goiás (UFG)*. 2018 – 2020 (24 months). Lead of the project "Production of oxidative enzymes by amazon mushrooms for pesticide bioremediation", supported by National Council for Scientific and Technological Development (CNPq). Disciplines taught: applied microbiology, enzymology and special topics in biotechnology. Student supervision in final projects. Supervisor at Graduate Program in Biotechnology and Biodiversity;
- **Supervisor** at Graduate Program in Genetics and Molecular Biology - *Universidade Estadual de Campinas (Campinas/Brazil)*. 2017- at present (36 months). Focus on identification of novel enzymes and proteins for potential industrial application.

- **Senior Researcher** at *National Research Center for Energy and Materials (CNPEM, Campinas/Brazil)*. 2016 – 2017 (15 months). Management of key milestones for a number of research projects to contributed to the Brazilian leadership on the green technology business. Led research groups to build strategy combining genomics and fermentative process. Providing technical leadership in the development of scalable and cost-effective fermentation processes for microbial products. Development of tailor-made enzymes for different industrial applications.
- **Postdoctoral Researcher** at *Vienna University of Technology (Austria)*. 2015-2016 (12 months). Project: Genetic development of *Trichoderma* for bioethanol process. Improvement of recombinant enzyme and protein production by using systems biotechnological tools.
- **Bioprocess Specialist** at *National Research Center for Energy and Materials (CNPEM, Campinas/Brazil)*. 2014 – 2015 (12 months). Contribution to the Brazilian leadership in the development of products using fungi: development of new fermentation strategies in bench scale and pilot plant. Guidance of undergraduate students, fermentation technicians and analysts.
- **Specialized Development Analyst** at *National Research Center for Energy and Materials (CNPEM, Campinas/Brazil)*. 2010 – 2013 (24 months). Design and execution of microorganism's cultivation using bioreactors for biorefinery process. Management and negotiation of orders for lab consumables, equipment and services;
- **PhD in Biotechnology**. Universidade Federal de São Carlos. (36 months). Thesis title "Glycosyl hydrolases production by *Trichoderma harzianum* for the biomass saccharification" was performed as a part of CNPEM's work. One Privilege of Innovation Patent deposited (Enzymatic cocktail of *Trichoderma harzianum* supplemented with accessory enzymes, process of obtaining and its use).
- 6 months stay and work at *Vienna University of Technology (Austria)* to develop part of PhD thesis. Design tailor-made filamentous fungus for platform chemicals or biofuels;
- **Additional experience**: Reviewer of international scientific articles. Member of the scientific committees for the selection of graduate students. International scientific committees' member. Committees member of thesis/dissertation defense evaluation. Publication of 29 articles and 2 registered patents.

Contact information

Contact Person: +55 17 997255830

Email address: pridelabona@yahoo.com.br or pridelabona@gmail.com