

CURRICULUM VITAE
GABRIELA ALEJANDRA VALDÉS RODRÍGUEZ
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RESEARCH:

Focused on the microorganism-plant interaction and its potential biotechnological products. Recently filamentous fungi and yeast related to the wood biodegradation and the ethanol and lipids production.

ACADEMIC BACKGROUND:

- **2006-2011.** Plant Biotechnology Engineering. University of Concepcion.
- **2016-2021.** Ph.D Forestry Sciences (Candidate). University of Concepcion.

PROFESSIONAL BACKGROUND

- **2018-2019.** Ph.D internship. Unit of Microbiology, Department of Biology, University of Patras, Greece. (Scholarship: Ph.D CONICYT 2018-2019. Chile).
- **2015-2017.** Technological Development Engineer. Project: Performance Agreement Science Biotechnology and Innovation for the Socioeconomic. Biotechnology Center of the University of Concepcion (CB-UdeC).
- **2011-2014.** Head of Biotechnology and Research Laboratory. Phytopathology and Plant Genetics Ltda. and Bio supplies Nativa SpA.
- **2010-2011.** Research Assistant in R & D Projects. Renewable Resources Laboratory, CB-UdeC.
- **2010.** Research Assistant. Technological Development Unit (UDT), University of Concepcion.
- **2008-2010.** Microbiology laboratory assistant, CB-UdeC.

TEACHING EXPERIENCE

- **2018-2018.** Teaching support in Microbiology, University of Concepcion.
- **2017-2018.** Teaching support in Biochemistry, University of Concepcion.
- **2009-010.** Teaching support in Microbiology, University of Concepcion.
- **2010.** Teacher support in Cultivation of Vegetable Tissues, University of Concepcion.

TRAININGS

- **2015.** Conservation and management of microorganisms for the collection of crops Course. Microbial genetic resource bank. INIA Quilamapu. Chillán, Chile.
- **2015.** Boiler operator certificated. Bío Bío Health Service, Chile.
- **2015.** Autoclaves operator certificate. Bío Bío Health Service, Chile.
- **2011.** Course of Filamentous Fungi in internal and external environments. University of Valparaíso, Chile.

CONGRESSES PARTICIPATION

- **2018.** Poster: Production of Lipids from Glucose, Xylose and Mannose by Oleaginous Yeasts. 5th symposium of Biotechnology applied to lignocelluloses, LIGNOBIOTECH. Helsinki, Finlandia. Author.
- **2017.** Poster: Use of oleaginous yeasts to produce lipids from sugars derived from lignocellulosic Biomass, IUFRO Tree Biotechnology. Concepción, Chile. Author.

- **2011.** Presentation: Brown-rot fungi biomimetic pretreatment to bioethanol production from Wood. 1st Brazilian Conference Bioenergy Science and Technology, BBEST. Campos de Jordao, SP, Brazil. Co-author.
- **2011.** Presentation: Prospecting of Diseases of wood in vine and kiwi characterization of symptoms and identification of causal agents. XX Annual Congress of the Chilean Society of Phytopathology. Santiago, Chile. Co-author.
- **2007.** Participation in VI Latin American and Caribbean Meeting of Agricultural Biotechnology. REDBIO. Viña del Mar, Chile.

PROJECTS PARTICIPATION

- **2017-2018.** Oleaginous yeasts a platform for the production of omegas. University of Concepcion. FONDEF VIU17P0067. Position: Boss.
- **2016-2017.** BioPacking from waste from the wine industry. University of Concepción. FONDEF VIU15P0020. Position: Technological Development Engineer.
- **2015-2016.** Collection of microbial genetic resources of industrial interest. Internal line of services innovators University of Concepción. MINEDUC UCO 1302. Position: Principal researcher.
- **2015-2017.** Performance Agreement Science Technology and Innovation for the Bioeconomy. University of Concepcion. MINEDUC UCO 1302. Position: Technological Development Engineer.
- **2010-2013.** Development of a commercial protocol for the identification and early detection of diseases of the wood. Fitonova Ltda. INNOVA 10IEI 8947. Position: Researcher
- **2010-2013.** Lignocellulosic Biorefining Using Fenton-Organosolv Processing. University of Concepción FONDECYT 1100898. Position: Thesis.

LANGUAGES

- Native Spanish.
- Intermediate English.