

Luciana Santibáñez

Biochemical Engineer

Biochemical Engineer with a PhD in Engineering Sciences with biochemical engineering mention. Extensive experience in biocatalysis (in aqueous and organic media), enzyme immobilization, enzyme production and oligosaccharide purification (by nanofiltration and bioconversion). Motivated to learn techniques of molecular biology and bioinformatics to create more efficient enzymes. Her goal is to contribute to sustainable development by creating green processes for the industry using enzymes as a catalyst.

Work History

2020-03 -
Current

Postdoctoral Researcher

University Of Chile, Santiago, Chile
Researcher in charge of the FONDECYT project "Production of xylo-oligosaccharides by enzymatic hydrolysis of cellulose and in-situ microbial fermentation"
Founded by ANID/FONDECYT postdoctoral grant.

2007-03 -
2016-12

Assistant Professor

Pontifical Catholic University Of Valparaíso, Valparaiso, Chile
Mathematical methods in Engineering, Engineering drawing, Enzyme engineering.

Education

2013-03 -
2017-06

Ph.D.: Engineering Sciences, Biochemical Engineering

Pontifical Catholic University Of Valparaiso
Hydrolysis of residual lactose in raw GOS: A new galacto-oligosaccharide purification strategy.
Founded by CONICYT doctoral Grant.

2005-03 -
2011-03

Bachelor of Science: Engineering Technology

Contact

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E-mail

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Skills

Enzymatic catalysis and immobilization

Operational improvement

Nanofiltration

Fermentation

HPLC/HPAEC-PAD

Languages

Spanish



English



French



