



Personal information

First name(s) / Surname(s) **Karina Gonzalez**

Address(es) Los ensayistas #480, Temuco, 478000, IX Region, Chile

Telephone(s) Mobile: 56966796509 385955037738

E-mail karina.gonzalez.sanmartin@gmail.com

Nationality Chile

Date of birth 4/11/1989

Gender Female

Desired employment / Occupational field **Master of Sciences in Microbiology, Bioengineer. Ph.D. student at Sciences in Natural Resources.**

Work experience

Dates 2013—2015

Occupation or position held Professor,

Main activities and responsibilities Tough Microbiology lessons, encompassing a range of experiments and practical skills related to microbiology areas. Instructed student from majors as Biology, Bioengineering, Environmental engineering and Nutrition and food.

Name and address of employer Universidad de Concepción; Concepción, Chile.

Type of business or sector Education

Dates 2018

Occupation or position held Professor,

Main activities and responsibilities Tough chemistry lessons, encompassing a range of experiments and practical skills related to inorganic chemistry. Instructed student from pharmaceutical chemistry.

Name and address of employer Universidad de La Frontera; Temuco, Chile.

Type of business or sector Education

Education and training

Dates 2008—2014.

Title of qualification awarded Bioengineer

Principal subjects/occupational skills covered Knowledge in developing activities in the field of environmental and food microbiology, molecular biology, biotechnology and bioprocesses.

Name and type of organisation providing education and training Universidad de Concepción

Level in national or international classification Bachelor degree.

Dates 2013–2016.

Title of qualification awarded Master of Sciences in Microbiology

Principal subjects/occupational skills covered Bacterial physiology, metabolism, antibiotic resistance. Bacterial dormancy and polyhydroxyalkanoates production as surviving strategies.

Name and type of organisation providing education and training Universidad de Concepción

Level in national or international classification Master degree

Dates 2017- Currently.

Title of qualification awarded Ph. D in Sciences in Natural Resource

Principal subjects/occupational skills covered Management of natural resources, management of solid residues, biogeochemical studies from soil, polyhydroxyalkanoates bioreactor.

Name and type of organisation providing education and training Universidad de la Frontera

Level in national or international classification Doctoral degree

Personal skills and competences

Mother tongue(s) **Spanish**

Other language(s) **English**

European level

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B1	B1		B1	B1

Social skills and competences Committed, encouraging, outgoing personality. Leadership and adaptability to multicultural and interdisciplinary environments.

Organisational skills and competences Enthusiastic researcher/learner. Hardworking. Detail-Oriented, organizational awareness and teamwork.

Computer skills and competences

Management of bioinformatics tools with Linux in Genomic and proteomic areas.

Additional information

Internship

Dates

May-July 2018

State University of New York College of Environmental Sciences and Forestry (SUNY-ESF), Syracuse, New York, USA.

Name and type of organisation providing education and training

Department Paper and bioprocess engineering.
Dr. Shijie Liu.

Principal subjects/occupational skills covered

Bioengineering: metabolic pathway and kinetics, fermentation. Lab work in bioreactor and fermentator of polyhydroxyalkanoates.

Internship

Dates

February -June 2019

Name and type of organisation providing education and training

Zagreb University; Zagreb, Croacia
Department of soil amelioration
Dr. Gabriel Ondrazek

Principal subjects/occupational skills covered

Biodegradation of Polyhydroxybutyrate, soil amelioration, DNA extraction, physicochemical analysis.

Publications

- Dormancy in *Deinococcus* sp. UDEC-P1 as a survival strategy to escape from deleterious effects of carbon starvation and temperature. Guerra, M., **González, K.**, González, C., Parra, B., & Martínez, M. (2015). *International microbiology: the official journal of the Spanish Society for Microbiology*, 18(3), 189.
- Effect of Glycine-betaine on dormancy in *Psychrobacter* sp. UDEC-A5 and *Deinococcus* sp. UDEC-P1 exposed to hyperosmotic stress. **González, K.**, Parra, B., Smith C., Martínez, M., *Current Microbiology*. /accepted.
- Biological recovery of polyhydroxyalkanoates. **González, K.**, Cea, M., Liu, S., *Bioengineering*. /sent
- Metabolic activity under polyhydroxyalkanoates overproduction and nitrogen deprivation. Parra, B., **González, K.**, Pavez P., Martínez, M., *Canadian Journal of Microbiology*. /sent

Attending Congress

- Microbial community evolution inside sequential batch reactor for bioplastic production. **González, K.**, Cea, M., Navia, R.- *Power of Microbes in Industry and Environment* (2019).
- Detection of dormant population in a Feast/Famine Feeding regime reactor. **González, K.**, Cea, M.- *Advances in Environmental Microbiology and Microbial Biotechnology* (2018)
- Analysis of active bacterial population with Polyhydroxyalkanoate producing capability in a Feast/Famine Feeding Regime Reactor. **González, K.**, Cea, M., Ciudad, G. 4th Iberoamerican Congress on Biorefineries (2018).
- Characterization of bacterial community diversity in a Feast/Famine Feeding Regime Reactor with Polyhydroxyalkanoate Production. **González, K.**, Cea M.- 6th International Workshop in Advances in Science and Technology of Bioresources (2017).
- *Deinococcus* sp. UDEC-P1 and *Psychrobacter* sp. UDEC-A5 response, against hiperosmotic stress. **González, K.**, Parra, B., Smith C., Martínez, M.- XXXVIII Congreso Chileno de Microbiología - SOMICH (2015)

References

- Dr. Mara Cea Lemus. Assistant Professor Chemical Engineering Department, Universidad de la Frontera, Temuco, Chile. mara.cea@ufrontera.cl
- Dr. Miguel Martínez Poblete, Titular Professor. Microbiology Department, Biological Sciences Faculty, Universidad de Concepción, Concepción Chile. mimartin@udec.cl
- Dr. Carlos González Correa, Titular Professor. Microbiology Department, Biological Sciences Faculty, Universidad de Concepción, Concepcion, Chile. carlosg@udec.cl
- Dr. Grabiél Ondrazek, Professor. Department of soil ameloration. Faculty of Agriculture, Zagreb University. Zagreb, Croatia. gondrasek@agr.hr
- Dr. Shijie Liu, Professor, Paper and bioprocess bioengineering, SUNY-ESF, Syracuse, USA. sliu@esf.edu