

Larissa Terumi Arashiro

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PERSONAL INFORMATION

Date of Birth: 19/08/1988

Marital Status: Single

Nationality: Brazilian

INTRODUCTION

Internationally experienced **environmental engineer**, currently a PhD candidate, with strong cultural awareness. Background in Quality, Environmental, Health and Safety (QEHS) management systems, water quality and wastewater treatment. Results-oriented and energetic, easily builds and maintains relationships with people from different cultures and perspectives. Good team spirit, great ability to identify and solve problems, quick learner, and good management of tasks and time.

PROFESSIONAL EXPERIENCE

Feb 2016 – **Water and Sanitation Services Programme Intern**

Aug 2016 IWA - International Water Association (The Hague, Netherlands)

- *Global sanitation safety planning situation analysis for projects in partnership with the World Health Organization (WHO);*
- *Water safety planning and operation and maintenance, news and articles for dissemination;*
- *Contribution on PEARL Project (EU-FP7).*

Aug 2011 – **Quality, Environmental, Health and Safety (QEHS) Engineer**

Sep 2013 Emerson Process Management (Sorocaba, Brazil)

- *Maintenance of Quality and Environmental management certificates (ISO 9001 and 14001);*
- *5S program, ISO-compliant training programs/audits (40% improvement on the auditing results);*
- *Qualification of 300 suppliers and maintenance of 80 certifications for products used in classified (hazardous) areas.*

Jun 2010 – **Environmental, Health and Safety (EHS) Intern**

Jul 2011 Emerson Process Management (Sorocaba, Brazil)

- *Maintenance of organizational performance according to EHS requirements (ISO 14001 and OHSAS 18001);*
- *Sustainable projects to promote EHS awareness.*

EDUCATION

Nov 2016 – **Ph.D. Candidate**

Present Universitat Politècnica de Catalunya – UPC (Barcelona, Spain)

Ghent University (Ghent, Belgium)

- *SuPER-W "European Joint Doctorate" funded by the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 676070*
- *Research topic: "Optimization of algae-based wastewater treatment systems towards enhanced water reuse and recovery of microalgae for biogas and high value compounds production".*

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Oct 2013 – **MSc. Environmental Technology and Engineering**

Oct 2015 Ghent University (Ghent, Belgium)

UNESCO-IHE Institute for Water Education (Delft, Netherlands)

University of Chemistry and Technology Prague (Prague, Czech Republic)

- *Magna cum laude*;
- *Erasmus Mundus Scholarship grant holder*;
- *MSc. research in Experimental and modelling studies on nitrogen removal from wastewater using algal-bacterial consortium – water and energy recovery.*

Aug 2006 – **Environmental Engineering**

Jul 2011 UNESP - University of Sao Paulo State (Sorocaba, Brazil)

- *Class rank: 3rd (among 51 students)*
- *Thesis: Development of a water quality index for public supply purposes using fuzzy logic.*

PERSONAL SKILLS

Languages

Portuguese	Native
English	Fluent
Spanish	Fluent
Japanese	Intermediate

ADDITIONAL INFORMATION

Publications

- Arashiro, L., Rada-Ariza, A. M., Wang, M., van der Steen, P. and Ergas, S. J. (2017) Modelling shortcut nitrogen removal from wastewater using an algal-bacterial consortium. *Water Science and Technology*, 75.4, 782-792.
- Arashiro, L.T., Ferrer, I., Acién, F.G., Gómez, C., Garfí, M. (2018) Life Cycle Assessment of high rate algal ponds for wastewater treatment and resource recovery. *Science of the Total Environment* 622–623, 1118–1130.
- Arashiro, L.T., Garfí, M., Rousseau, D.P.L., Van Hulle, S.W.H., Ferrer, I. The effect of primary treatment of wastewater in high rate algal ponds systems: wastewater treatment and energy recovery. *Bioresource Technology* (*in preparation*).

Volunteering

- Participation in the NGO Engineers without Borders – Catalunya (ESF) in projects related to environmental awareness and sanitation in rural communities in Peru (Aug-Sep- 2018).

Grants

- Global Minds Fund 2018: Operational Grants for doctoral and postdoctoral fellows (OPG) *Funding provided by the Belgian Federal Government (VLIR-UOS), through Ghent University, to further develop and expand University Development Cooperation (UDC) capacity.*