



## Fabiana Passos, MSc. Curriculum vitae

### CONTACT DETAILS

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PhD student  
Universitat Politècnica de Catalunya (UPC)  
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### PERSONAL DETAILS

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Date of Birth: 28 August 1984  
Place of Birth: Ilhéus, BA, Brazil  
Nationality: Brazilian

### EDUCATION

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- 2010- **PhD Environmental Engineering, Universitat Politècnica de Catalunya (UPC), Barcelona, Spain**  
Thesis: Anaerobic digestion of microalgae grown in wastewater. Supervisors: Prof. Dr. Ivet Ferrer and Prof. Dr. Joan García.
- 2008-2010 **MSc Environmental and Resource Management, Brandenburgische Technische Universität (BTU), Cottbus, Germany**  
Thesis: Degradation of aminophosphonates. Supervisor: Prof. Dr. Marion Martienssen.
- 2002-2008 **BSc Environmental Engineering, Universidade Federal de Viçosa (UFV), Viçosa (MG), Brazil**  
Thesis: Characterization and local representations surrounding the environmental sanitation: a case study in the rural settlement "Olga Benário", Zona da Mata of Minas Gerais. Supervisor: Prof. Dr. Paula Bevilacqua

### LANGUAGE SKILLS

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English TOEFL (June 2008)  
Spanish Instituto Cervantes, B2 (September 2010)  
Catalan  
Portuguese Native

### PARTICIPATION IN RESEARCH PROJECTS

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- 2011-2013 **Biogas production from algae biomass produced in high rate ponds for wastewater treatment - BIOALGAS**, financed by the Spanish Ministry of Science and Innovation, coordinated by the Group of Environmental Engineering and Microbiology (GEMMA-UPC)
- 2008-2011 **Criteria de Diseño de Nuevas Configuraciones de Humedales Construidos**, financed by the Spanish Ministry of Science and Innovation, coordinated by the Group of Environmental Engineering and Microbiology (GEMMA-UPC)

## ARTICLES IN REFEREED JOURNALS

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- 2013 **Passos, F.,** García, J., Ferrer, I. (2013) Impact of low temperature pretreatment on the anaerobic digestion of microalgal biomass. *Bioresource Technology*, <http://dx.doi.org/10.1016/j.biortech.2013.03.114>.
- Passos, F.,** Solé, M., García, J., Ferrer, I. (2013) Biogas production from microalgae grown in wastewater: effect of microwave pre-treatment. *Applied Energy*, <http://dx.doi.org/10.1016/j.apenergy.2013.02.042>.
- 2011 Pedescoll, A., **Passos, F. L.,** Alba, E., García, J. and Puigagut, J. (2011) Mechanical resistance properties of gravel used in subsurface flow constructed wetland: implications for clogging. *Water Science and Technology*, 63(9), 1801-1807.

## ARTICLES IN NON-REFEREED JOURNALS

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- 2012 García, J., **Passos, F.,** Mena, J., Ferrer, I. (2012) Biocombustibles a partir de microalgas cultivadas en aguas residuales. *Automática e Instrumentación*, 437, 2-4.

## CONTRIBUTIONS IN PROCEEDINGS

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- 2012 Ferrer, I., **Passos, F.,** García, J. (2012) Microalgae production and wastewater treatment in high rate algal ponds and low-cost tubular photobioreactors. *Young Algaeneers Sysposium 2012, Wageningen, The Netherlands*. Wageningen Academic Publishers, 24.
- Passos, F.,** García, J., Ferrer, I. (2012) Biogas production from microalgae grown in wastewater: effect of microwave pretreatment. *Young Algaeneers Sysposium 2012, Wageningen, The Netherlands*. Wageningen Academic Publishers, 74.
- Ferrer, I., **Passos, F.,** García, J. (2012) Biogas production from microalgae grown in wastewater. *Mesa Española de Tratamiento de Aguas (META 12)*, Almería, España. ISBN: 978-84-15487-33-3, 151-152.
- 2011 **Passos, F.,** García, J., Ferrer, I. (2011). Effect of microwave pretreatment on algae biomass from high rate ponds for wastewater treatment. *1st International Conference on Algal Biomass, Biofuels and Bioproducts, St Louis, USA*.
- Ferrer, I., **Passos, F.,** García, J. (2011). Improving the anaerobic biodegradability of algae biomass from high rate ponds for wastewater treatment. *III International Congress Smallwat 11, Sevilla, Spain*.
- 2010 Pedescoll, A., **Passos, F.,** Alba, E., Puigagut, J., García J. (2010) Gravel composition related to clogging development in horizontal subsurface flow constructed wetlands. *12th International Conference on Wetland Systems for Water Pollution Control. Venecia, Italia*