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Microbial networks for bioremediation of chlorinated ethenes

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*Netherlands Research School for the
Socio-Economic and Natural Sciences of the Environment*

D I P L O M A

For specialised PhD training

The Netherlands Research School for the
Socio-Economic and Natural Sciences of the Environment
(SENSE) declares that

Raquel Vargas-López

born on 23 January 1982, in Ferrol, A Coruña, Spain

has successfully fulfilled all requirements of the
Educational Programme of SENSE.

Amsterdam, 01 May 2018

the Chairman of the SENSE board

Prof. dr. Huub Rijnaarts

the SENSE Director of Education

Dr. Ad van Dommelen

The SENSE Research School has been accredited by the Royal Netherlands Academy of Arts and Sciences (KNAW)



K O N I N K L I J K E N E D E R L A N D S E
A K A D E M I E V A N W E T E N S C H A P P E N



The SENSE Research School declares that **Raquel Vargas-López** has successfully fulfilled all requirements of the Educational PhD Programme of SENSE with a work load of 49.2 EC, including the following activities:

SENSE PhD Courses

- Principles of Ecological Genomic (2011)
- Environmental research in context (2009)
- Research in context activity: 'Co-organizing scientific meeting (with social programme) on 'Pollutant degradation under environmental stress: towards rational bioaugmentation' (2012)

Other PhD and Advanced MSc Courses

- (BACSIN) FAME analysis course – UFZ- Leipzig (2009)
- (BACSIN) Bioinformatic tools and analysis – UNIL- Lausanne (2010)
- Scientific Writing in English, VU University Amsterdam (2010)

External training at a research institute

- Gas chromatography analysis. Monitoring Hydrogen and Methane productions in anaerobic liquid cultures, Wageningen University, The Netherlands (2011)
- Capillary electrophoresis analysis. Monitoring organic acids in anaerobic liquid cultures. Academic Centre for Dentistry Amsterdam, VU University Amsterdam (2010)
- Nucleic acids extraction, reverse transcription and Illumina amplicon sequencing of anaerobic sediment microcosms. Helmholtz Centre for Infection Research, Braunschweig, Germany (2012)

Management and Didactic Skills Training

- Supervising four MSc. students with thesis (2010-2012)
- Supervising a BSc. student with thesis (2011)
- Assisting in BSc. Courses 'Molecular Microbiology' and 'Microbial Cell' (2010-2012)

Oral Presentations

- *Interactions between fermentative consortia and Desulfitobacterium hafniense Y51.* 5th BACSIN meeting, 26-28 January 2011, Ispra, Italy.
- *Interactions and dehalogenation by Desulfitobacterium hafniense Y51.* 6th BACSIN meeting, 28-30 September 2011, Pula, Croatia.
- *Bioaugmentation with Desulfitobacterium hafniense Y51 and associated fermenting communities, in sterile and natural river sediment.* Symposium "Pollutant degradation under environmental stress: towards rational bioaugmentation," 29-30 March 2012, Amsterdam, The Netherlands.

SENSE Coordinator PhD Education

Dr. Peter Vermeulen