



UNIVERSITÀ DEGLI STUDI DI MILANO  
Dottorato di Ricerca in Agricoltura,  
Ambiente e Bioenergia

## Nutrients recovery from wastewaters:

the experience of University of Girona

*Dr. Sebastià Puig Broch*

LEQUiA -University of Girona

**DATE: February 20, 2018**

**TIME: 10:00 – ROOM: Aula C13 Via Mangiagalli N° 25, Milano**

*Host: Prof. Fabrizio Adani*

**Abstract:** Intensive agriculture is heavily dependent on the input of synthetic fertilisers to sustain our food and feed production. Nowadays, a new paradigm consists on the recovery of nutrients from waste, rather than its removal, to reduce the reliance on industrial fertilizers. Indeed, the European regions with intensive cattle and pig production largely overlap with nitrate vulnerable zones. During this presentation, Dr. Puig will present to case studies of resource recovery from contaminated water: i) essential nutrient (phosphorus, nitrogen and potassium) recovery from swine manure: The ManureEcoMine project (<http://www.manureecomine.ugent.be>), and ii) the bioremediation of nitrate contaminated groundwater as potential drinking water. Dr. Puig is aiming to tip the scale towards sustainable resource recovery.



**Curriculum Vitae:** **Dr. Sebastià Puig** (37 years) is Senior Lecturer at the University of Girona (Spain) since 2015. His research is focused on environmental and white biotechnology in water and air streams. Dr Puig has participated in 20 research projects and RD contracts, and has supervised 2 postdoctoral researchers, 4 doctoral theses and 11 master theses. He has published 71 peer-reviewed papers in international journals (including top A1 journals) - 26 as corresponding author, h-index 24 - 91 congress publications and two European patents on Bioelectrochemical systems. In 2014, he received the award “Young talented researcher in Sustainable Water Management” from Fundación Botin (Spain).  
<http://orcid.org/0000-0003-2995-1443>