

## PhD Candidate Profile

**Name:**

Alberto Cruz Alcalde

**Research Group (if relevant):**

Advanced Oxidation Processes Engineering Group

**Research Centre (if relevant):**

Faculty of Chemistry, University of Barcelona, Spain

**Department/School(s) (if relevant):**

Department of Chemical Engineering

**College:**

University of Barcelona, Barcelona, Spain

**Supervisor(s):**

Dr. Carme Sans

Dr. Santiago Esplugas

**Funding body:**

Spanish Ministry of Science and Innovation

Spanish Ministry of Economy and Competitiveness

Agency for Management of University and Research Grants (Government of Catalonia)

**Area (field) of study:**

Removal of priority pesticides from water matrices by means of ozone-based and other advanced oxidation processes

**Thesis Title:**

Removal of Contaminants of Emerging Concern from water by Advanced Oxidation Processes (tentative)

**Abstract:**

N/A

**Collaborations:**

N/A

**Publications:**

A. Cruz-Alcalde, C. Sans, S. Esplugas, "Exploring ozonation as treatment alternative for methiocarb and formed transformation products abatement". Submitted for review.

A. Cruz-Alcalde, C. Sans, S. Esplugas, "Priority pesticides abatement by advanced water technologies: the case of acetamiprid removal by ozonation". Submitted for review.



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### Presentations:

Berlin, Germany (March 2017), **IOA Ozone Symposium at Wasser Berlin 2017**, *Is ozonation a suitable treatment option for waters contaminated by the highly toxic pesticide methiocarb?* (POSTER). A. Cruz-Alcalde, C. Sans, S. Esplugas.

Barcelona, Spain (May 2016), **1<sup>st</sup> IdRA Young Researchers Seminar**, *Sunlight induced photodegradation of organophosphorus flame retardants in river water* (ORAL). A. Cruz-Alcalde, A. De Luca, C. Sans.

Barcelona, Spain (May 2016), **Masterquímica XII**, *El paper de l'oxigen en la fotodegradació natural en aigües superficials dels retardants de flama organofosforats* (POSTER). A. Cruz-Alcalde, A. De Luca, C. Sans.