



# Guillermo Quijano Govantes

## Curriculum Vitae

May, 2014

Current position: Juan de la Cierva researcher at University of Valladolid (postdoctoral researcher with lecturing load)

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### Education

- 2007 – 2010      **PhD, Biotechnology and Bioengineering.** “Oxygen transfer in two-phase partitioning bioreactors”. Center for Advanced Studies of the National Polytechnic Institute of Mexico (CINVESTAV, Mexico).
- 2004 – 2006      **MSc, Biotechnology.** “Mass transfer and kinetic parameter determination in a three-phase bubble column biorreactor for the degradation of n-hexadecane”. Metropolitan Autonomous University (Mexico).
- 1999 – 2004      **BS, Industrial Biochemical Engineering.** “Pre-feasibility study for the installation of a monosodium glutamate plant using sucrose as substrate”. Metropolitan Autonomous University (Mexico).

The main research line of the Guillermo focuses on environmental technology. He is co-author of 35 articles in international indexed journals, 77% of them in the Q1 of the JCR ranking (Scopus ID: 29867444700). While 7 papers originated from his PhD studies at CINVESTAV, the remaining 28 were produced during the past 4 years of post-doctoral research at Universidad Autónoma Metropolitana (México), Ecole Nationale Supérieure de Chimie de Rennes (France), Ecole des mines d'Alès (France) and Universidad de Valladolid (Spain). Guillermo actively participates since 2012 in the Chemical Engineering Program of the University of Valladolid (“Design and Operation of Pollution Control Facilities” and “Environmental and Process Technology”) and in the Master in Systems and Process Engineering of the same University (“Biological Pollution Treatment Processes”).

### Publications

Guillermo Quijano has published in the following topics:

- Mass transport characterization/optimization in bioreactors devoted to air treatment.
- Characterization and enhancement of the microbiology in bioreactors devoted to VOC and odor treatment.
- Kinetic characterization of the microbial communities involved in gaseous pollutants degradation.
- Optimization of pollutant biodegradation by means of innovative bioreactor design and operation under varied scenarios.

### Book Chapters

Guillermo Quijano has published 4 book chapters, 3 of them included in international books (in English) and 1 included in a national book (in Spanish). The quality of these book chapters is guaranteed by the prestige of the international editorials publishing the books: **Elsevier**, **Wiley** and **IWA Publishing**.

### Conferences

Up to date, the candidate has presented 17 contributions in prestigious conferences. The main subjects of the conferences the candidate has attended are **Applied Chemical Engineering**, **Biotechnology** and **Environmental Technology**. Among all the participations in conferences, 14 of them were oral presentations, highlighting the quality and impact of the research work presented.