

## DEVA PELAYO

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## RESEARCH

- **Title:** LUV2INNOVATE: Sistemas innovadores para el tratamiento de corrientes acuosas mediante procesos fotoquímicos con LED UV-C
- **Description:**  
Advance in the knowledge of photochemical AOPs, specifically the application of UV-C LED technology as a source of light emission to: determine its disinfection capacity, the efficiency in the photo-oxidation of pollutants, the change to this type of UV radiation for processes traditionally operated with visible light.
- **Publications:** -
- **Congress contributions:**  
  
-Pelayo, D., Rivero, M.J. ADVANCED OXIDATION PROCESSES: RECENT ADVANCES AND FUTURE TRENDS. ANQUE-ICCE 3 Student Conference, From 17th to 18th June 2019, Santander (España). Poster.  
-Chem-E-Car competition. 10th World Congress of Chemical Engineering. From 1st to 5th October 2017, Barcelona (Spain).
- **R&D Projects:**  
Title: LUV2INNOVATE: Sistemas innovadores para el tratamiento de corrientes acuosas mediante procesos fotoquímicos con LED UV-C  
Participant entities: Universidad de Cantabria and APRIA Systems  
Duration, since 01/04/2020 to 31/12/2022  
Main researcher: Inmaculada Ortiz Uribe  
Number of participants: 6  
  
Title: Understanding of the rehydration behavior of powdered materials with Broadband Acoustic Resonance Dissolution Spectroscopy (BARDS)  
Participant entities: Cargill R&D Center Europe  
Duration, since 30/09/2019 to 30/03/2020.  
Main researcher: Isabelle Dèlèris  
Number of participants: 2