

## TRABAJOS FINAL DE MÁSTER PRESENTADOS

### Máster en Ingeniería Ambiental - Curso 2015-16

| ESTUDIANTE                            | TÍTULO  |
|---------------------------------------|---|
| Acuña Dominguez, Julio Abraham        | Pre-design of a system for CO <sub>2</sub> biological removal   |
| Aranibar Pareja, Emperatriz           | Assessment and diagnosis of mining environmental liabilities present in the Former Mining Unit of Hualgayoc (Peru)  |
| Aymà Maldonado, Patricia              | PHA accumulating bacteria selection in a SBR treating fermentation liquids of organic fraction of municipal solid waste                                       |
| Centeno Romero, Miguel Angel          | Development of modified Fe(III)/alginate catalysts for stability and photo-Fenton performance improvement at neutral pH                                       |
| Chavarria Urbano, Alan Jeremias       | Surrogate model for carbon dioxide equilibrium absorption using aqueous Monoethanolamine (MEA)  |
| Cheah, Yen Keong                      | Start-Up of one-step Partial Nitritation/Anammox Moving Bed Biofilm Reactor to Treat Municipal-Like Wastewater  |
| Cruz Alcalde, Alberto                 | Role of oxygen in sunlight induced photodegradation of organophosphorous flame retardants in river waters   |
| da Cruz Rodriguez, Abby Solange       | Detoxification of effluents with cyanide. Application on a cyanided gossan ore.   |
| Diaz Chavez, Franco Antonio           | Comparative study of Peruvian and Spanish-Catalan legislation related to integrated agricultural waste management   |
| Diaz Roca, Fiorella                   | Analysis of changes introduced by final draft (2014) of reference document "Common Waste Water and Waste Gas Treatment". Application to wastewater treatments |
| Garcia Martinez, Lino                 | Life Cycle Assessment in the Automotive Industry: A Case Study  |
| Hermoza Pingo, Luis Anthony           | Anaerobic co-digestion of sewage sludge: Co-Substrates applied in the laboratory, pilot plant and full scale  |
| López Vinent, Núria                   | Heterogeneous photocatalytic degradation over titanium dioxide of toluene in gas phase and diphenhydramine in liquid phase                                    |
| Medina Pappermann, Francisca          | Anaerobic co-digestion of the organic fraction of municipal solid waste with an industrial co-substrate   |
| Moya Espinosa, Marina                 | Partial nitritation of anaerobic digester supernatants prior to the Anammox process   |
| Murga Gonzalez, Iselli Josylin Nohely | Wastewater management on a fish processing industry from Chimbote (Peru)  |
| Ortiz Roca, Victor                    | Production of bioplastics (PHA) from municipal solid waste: Optimization of the fermentation step by co-digestion.  |
| Palou Vidal, Miquel                   | Acid pre-treatment of fibrous waste for biogas optimization   |
| Plaza Santo, Sandra                   | Implement an environmental audit for service station and potential solutions to reduction of VOC's emissions  |
| Ramirez Garrido, Rosember             | Effects of the induced aeration for the pollutants removal in gravel and cork vertical wetlands   |
| Roc Pamies, Ruben                     | Unplugging the grid: How to measure benefits of self-consumption batteries, using LCA perspective   |

| <b>ESTUDIANTE</b>           | <b>TÍTULO</b>   |
|-----------------------------|---|
| Rodriguez Urrutia, Bernardo | Acoustic Treatment Of Sports Hall in Zaidin   |
| Vázquez Martínez, Marta     | Analysis of the management system of lightweight packaging in the Balearic Islands          |
| Vidal Antich, Carme         | Chemical Oxygen Demand (COD) recovery as polyhydroxyalkanoates (PHA) from winery wastewater |
| Vila Vieites, Lara          | Comparative study of available technologies to recover chromium from wastewater             |