

## CURS 2013-2014

### Semestre tardor

Títol en anglès	Alumne
Simulation of an alternative biodiesel process using palm oil as raw material with low energy consumption. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Benet Surroca, Guillem
Optimization of automotive clearcoat application properties. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Castilla Mesa, Raquel
Experimental study of the additives influence on the forming process, stability and rheology of the whipped cream. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Chavarrio Colmenares, Any Juliet
Viability of using chemical speciation software in the study of the removal of Ca <sup>2+</sup> and Mg <sup>2+</sup> in industrial waters. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Emiliano Estapé, Pere
Applicability and strength study of cyanoacrylate adhesives for their use in carpentry. ( <a href="#">resum</a> )	Gallardo Martínez, Elena
Study on Stability of Matte Clearcoats for Automotive Sector. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	González Aguilar, Albert
Determination and validation of an assay generic matrix for coating development in automotive plastic pieces. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Gutiérrez Escolano, Enrique
Mathematical Modelling of Adsorption. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Iglesias Fernández, José Manuel
Viability assessment of gas emissions removal by conversion into glycol on ion-exchange resins. ( <a href="#">resum</a> )	Martínez Fernández, Daniel
Kinetic Analysis of Grape Juice Fermentation. ( <a href="#">resum</a> )	Matias-Guiu Martí, Pau
Plant design for biodiesel production from animal fat. ( <a href="#">resum</a> )	Otermín Esteras, Iñigo
Development and validation of a method for the determination of mottling as an application defect in automotive paints. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Pujol Gasulla, Andreu
Production scheduling of multipurpose batch plants. Application to a case of production plant for active pharmaceutical ingredients (API's). ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Rosa Serrat, Bernat
Synthesis and characterization of nanostructured Cu-Fe-Co based composite powder. Study of nanostructural and magnetic properties. ( <a href="#">dipòsit</a> ) ( <a href="#">resum</a> )	Tauler Marimón, Antoni



## Semestre primavera

Títol en anglès	Alumne
Comparative Study of New Configurations of the Water Line of Municipal WWTP to Improve its Energy and Environmental Sustainability. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Aguilera i Mengual, Xavier
Study of the preparation of silica mesoporous materials by ion exchange resin columns. <a href="#">(resum)</a>	Alegre Miranda, Jeniffer
Study of the influence of the property estimation method in the simulation results of liquid-liquid extraction. <a href="#">(resum)</a>	Alonso Fonfreda, Héctor
Optimization of a 2K primer for polypropylene substrates with different flame conditions. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Arcos Rubio, Luis
Study of adherence on Thermal Barrier Coatings (TBC). <a href="#">(resum)</a>	Armengol Ruiz, Cristina
Study of Forward Osmosis as an emerging technology in the manufacturing process of concentration of solutions from sludge dewatering of sludge. <a href="#">(resum)</a>	Arnez Andrade, Jhosmar
Superficial treatments for backings used in the healthcare industry. <a href="#">(resum)</a>	Barceló Rubiño, Núria
Design of a reactor for the semi continuous production of acrylic polymers by polymerisation in emulsion. <a href="#">(resum)</a>	Bermejo Abellán, Mónica
Study of dehydration of whites eggs by lyophilization. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Bouyaoumad, Yassin
Effect of EVA copolymer in phosphate cement matrix. <a href="#">(resum)</a>	Cano Rives, Carla
Influence of processing conditions in the thermal stability of mechanically alloyed nanostructured Cu-Co-Fe based alloys. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Cortés Picas, Adrià
Selection of copper alloys by creating of a database of properties. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Domínguez Buesa, Alejandro
Stabilization of smoothies with emulsifiers, thickeners and gelling agents. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Fàbregas Freixas, Ariadna
Optimization of scratch resistance of a 2K clearcoat for automotive sector. <a href="#">(resum)</a>	Fageda Terma, Jaume
Aerobic pretreatment study for the degradation of lignocellulosic compounds involved in the anaerobic digestion of municipal solid wastes. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Ferré Aparicio, Paula



Resizing the reactors of a wastewater treatment plant of galvanic industry. <a href="#">(resum)</a>	Font Haro, Rosa
Nanostructured Cu-Fe-Co/SiO <sub>2</sub> composite powder: composite powder sintering. New applications for these materials. <a href="#">(resum)</a>	Garcia Blasco, Ana
Contribution to the kinetic study of the simultaneous liquid-phase etherification of isobutene and isoamylenes with ethanol catalyzed by acidic ion-exchange resins. <a href="#">(resum)</a>	Granda Cortés, Andrés
Solid and semisolid waste recovery in paint industry. <a href="#">(resum)</a>	Hernández Bestard, Rafel
Phosphorus recovery as hydroxyapatite (HAP) from urban wastewaters using nanofiltration and reverse osmosis brines. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Hidalgo López, Gádor Indra
Simulation and calculation of energy requirements for Biodiesel production from palm oil starting with the extraction stage. <a href="#">(resum)</a>	López Sanchez, Alejandro
Desing of multipurpose and multiproduct plants: state of the art. Design factors for batch reactors. <a href="#">(resum)</a>	Lorenz Pérez, Víctor
Study of the chemical degradation influence in chemical industry plant. <a href="#">(resum)</a>	Mármol Seve, Xavier
Material selection for sound generation system. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Obradors Prats, Dashiell
Valuation of the addition of inorganic reinforcements in recycled polymers to improve their mechanical. <a href="#">(resum)</a>	Occhipinti Lamas, Gianncarlo
Development a CFD program do it with Mathematica for simulate a molecular distiller. <a href="#">(resum)</a>	Pradal Bellón, Pol
Electrochemical advanced oxidation processes: study of the mineralization of the dye MG in water. <a href="#">(resum)</a>	Roig Cartes, Núria
Simulation of CO <sub>2</sub> absorbtion with and without chemical reaction. <a href="#">(resum)</a>	Sala Torrent, Marta
Study of an UASB-type Anaerobic Membrane Biological Reactor (AnMBR). <a href="#">(resum)</a>	Sánchez Torra, Guillermo
Obtenció de biodièsel a partir de diferents tipus d'olis i greixos. <a href="#">(dipòsit)</a> <a href="#">(resum)</a>	Subirana Puigcasas, Joan
Characterization and improvement of the mechanical properties of a formulation of rigid PVC. <a href="#">(resum)</a>	Tomé Sabater, Javier