



## CURS 2016-2017

### Semestre de tardor

Títol en anglès	Alumne
Dynamics and control of a tubular reactor with spreadsheet. ( <a href="#">resum</a> )	Alcaraz Esteban, Víctor
Macrocyclic Lactone degradation process optimization in alkaline conditions. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Canal Paulí, Núria
Closing of the plants water cycle, using water from the wastewater treatment plant and wells for the osmosis process. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Costa Criado, Xènia
Environmental impact assessment of automotive projects. ( <a href="#">resum</a> )	Domènech Fabregat, Maria José
Fluid circulation simulation in heat exchangers: Shell and tubes (ANSYS®) . ( <a href="#">resum</a> )	Fàbregas Cardoso, Víctor
Evaluation of the uncertainty in estimated equilibrium constants and thermodynamic properties of a reversible chemical reaction. ( <a href="#">resum</a> )	García Martín, Montserrat
Corrosion study of metals immersed in molten salts at high temperature .( <a href="#">resum</a> )	Martínez Godoy, Manuel Alejo
Study of the modeling of an ozone gas-liquid reactor to remove pollutants from water. ( <a href="#">resum</a> )	Pelliser Navarro, Arnau
Pectin-caseinate water-in-water emulsions: preparation and characterization. ( <a href="#">resum</a> )	Serrano Moral, Silvia

## Semestre de primavera

Títol en anglès	Alumne
Thermal cycling of solid particle materials for thermal energy storage and Heat Transfer Fluid. ( <a href="#">resum</a> )	Baig Navea, Joaquín Salvador
Study of the influence of secondary phases in the properties of superduplex stainless steel. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Boquer Viñas, Jordi
Study of the encapsulation of hydrophilic nutraceuticals. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Campo i Rodriguez, Neus
Contribution to the study of the operating conditions where the extractive distillation intensification becomes advisable. ( <a href="#">resum</a> )	Cantero del Castillo, Sergio
Bibliographical review of struvite crystallizers and preliminary experiments. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Cheng, Qiang
Volatile Fatty Acids optimization for the production of PHA from residual organic matter: A review. ( <a href="#">resum</a> )	Costilla Aznar, Jordi
Study of the environment influence on the surface resistance of CuNiAl alloys. ( <a href="#">resum</a> )	Dickson Garrell, Murray
Glucose isomerization reaction to fructose by means of ionexchange resins. ( <a href="#">resum</a> )	Dupuy Pol, Catalina
Alginate-caseinate water-in-water emulsions: preparation and characterization. ( <a href="#">resum</a> )	Ferré March, Laura
The Use Of Forward Osmosis For Phosphorus Recovery From Anaerobic Digester Centrate – 2. Membranes characterization. ( <a href="#">resum</a> )	Forniés Campos, Jaime
Pre-design of an air cooling system used by a solar chimney. Simulation with ANSYS® Fluent. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	García Galindo, Bruno
Kinetic modelling of lactose hydrolysis. ( <a href="#">resum</a> )	Gómez Rodríguez, Sara
Energetic optimization of lyophilisation. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Larumbe Gonfaus, Marc
Improving electrical and thermal surface properties of polymer composite materials. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	León Casablanca, Cristina
Genetic Algorithms for decision making in a Design process. ( <a href="#">resum</a> )	Lescano Lescano, Esly
Contribution to the study of acetic acid dehydration using heterogeneous azeotropic distillation. ( <a href="#">resum</a> )	López Molina, Héctor Joel
Development of disinfectant products for surfaces. ( <a href="#">resum</a> )	López Cano, Eduardo

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Process intensification by reactive distillation. Case study: the Asahi process. ( <a href="#">resum</a> )	Marchante Gracia, Ivan
Tiapride drug treatment by Advanced Oxidation Processes. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Marí Espinosa, Adrián
ANSYS Fluent simulation of a solar chimney. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Moya Chamizo, Ricardo
Study of the degradation of lipophilic nutraceuticals: application to hazelnut oil. ( <a href="#">resum</a> )	Opalko, Yuliya
Study of a biodiesel batch production from degummed soybean oil. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Ortiz Pelaéz, Ainhoa
Contribution to the study of bioethanol dehydration using heterogeneous azeotropic distillation. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Pellín Moreno, José Luis
Liquid-phase synthesis of butyl levulinate with simultaneous water removal. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Planas Mariano, Maria del Mar
Performance analysis of filtration fume cupboards. ( <a href="#">resum</a> )	Raich Hitos, Adrián
Characterization of sintered metal filters and design of industrial facilities with these filters. ( <a href="#">resum</a> )	Romero Moreno, Daniel
Study of co-treatment of organic wastes in Catalonia. ( <a href="#">resum</a> )	Ruiz Martínez, Óscar
Life-Cycle Assessment (LCA) as a tool to compare conventional and advanced water treatments for water reuse. ( <a href="#">resum</a> )	Serra Solís, Paula
Fire Dynamic Simulator and Smokeview. ( <a href="#">resum</a> )	Sánchez Martín, Júlia
Computational simulation of CO2 capture onto Mg-MOF-74 from industrial gas streams with impurities. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Sánchez Urpí, Oriol
Study and modification of a synthesis of an oleophobic and hydrophobic polyurethane coating. ( <a href="#">resum</a> )	Tenor López, Míriam
Study of Co-fermentation of Residual Organic Matter and Polyethylene Glycol. ( <a href="#">resum</a> )	Terradillos Guillén, Àlex
Development of a powdered nut product for instant beverage preparation. ( <a href="#">resum</a> )	Villanova Valls, Albert