



# CURS 2023-2024

## SEMESTRE DE TARDOR

Títol en anglès	Alumne
Analysis of hybrid distillation-membrane processes. ( <a href="#">resum</a> )	Ben Ikabour Ouhaddou, Khalid
Dissolution kinetics model of a by-product rich in magnesium oxide suitable for struvite precipitation ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Botines Ramallo, Pau
Development of a hair removal cream for normal skin and preliminary design of the process for its manufacture. ( <a href="#">resum</a> )	García Pato, Óscar
Life Cycle Assessment of ion exchange resins for water demineralization. ( <a href="#">resum</a> )	Guirado Castillo, Marc
Resin-Based Bifunctional Catalysts for Glucose Hydrogenation ( <a href="#">resum</a> )	Hidalgo Gómez, Alejandro
Wastewater reuse using photo-Fenton process at neutral pH ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Melgar Rigau, Berta

Evaluation, valorization and treatment strategies for the residues of wine cellars: a case of study ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Ribera Fuster, Carlota
Removal of persistent pollutants from wastewaters by a combination of light and hydrogen peroxide ( <a href="#">resum</a> )	Sirvent Pulido, Pol
Strategies for Cheese Whey Processing and Valorization ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Trujillo Escorza, Marina

## SEMESTRE DE PRIMAVERA

Títol en anglès	Alumne
Bibliographic study of lithium-ion batteries and their limitations. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Amigó Gimeno, Carla
Quantitative Risk Assessment (QRA) of the reference cases scenarios in a store of toxic and flammable product.	Asensio Medina, Víctor
Comprehensive Analysis of Engineering Technologies Applied in the Decontamination of the Flix Reservoir. ( <a href="#">resum</a> )	Blanco Flores, Jose Manuel
Implementation of the continuous improvement project at Akzo Nobel Coating's El Prat plant.	Blanco Romero, Irene
CFD Study of fluid viscosity and blade angle effect on a stirred tank reactor hydrodynamics. ( <a href="#">resum</a> )	Cabré Sariol, Ferran
Multipurpose reactors control improvement. ( <a href="#">resum</a> )	Casellas i Heras, Arnau
$\Gamma$ -valerolactone production by levulinic acid hydrogenation over modified ion-exchange resins. ( <a href="#">resum</a> )	Cid Blasco, Martí
Contribution to the study of partially full pipes ( <a href="#">resum</a> )	Comes Raig, Víctor
Sustainable synthesis of cellulose acetate alkanoates over ion-exchange resins for food packaging applications. ( <a href="#">resum</a> )	Cuartella García, Martí

A contribution to the study of kinetics of the transformation of fructose into butyl levulinate in aqueous media. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Escuer Elizalde, Irati
Development of a range of edible thickeners for people with dysphagia and the preliminary design of the manufacturing process ( <a href="#">resum</a> )	Forero Torres, Esteban
Per-and polyfluoroalkyl substances (PFAS) removal from water by aeration. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Fradera Fuentes, David
Proposal for improvement of water purification system for cosmetics industry. ( <a href="#">resum</a> )	García Tejero, Andreu
Characterization of microfiltration (MF) and ultrafiltration (UF) membranes ( <a href="#">resum</a> )	González Vizcarro, Helena
Feasibility Study of Hydrochar/Zn composites in Heterogeneous Photocatalytic Degradation. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Hu, Lina
Isosorbide etherification with alcohols over acidic ion-exchange resins. ( <a href="#">resum</a> )	Ibar Pérez, Javier
Mannitol dehydration over acidic ion-exchange resins. ( <a href="#">resum</a> )	Intriago Parraga, Lady Brigitte
Study of the sensitivity of Fire Dynamics Simulator and its applicability in different fields of fire research. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Larrubia Torres, Guillem
Preparation of vegetable margarines from the oleogels and the sensory, rheological and textural study of these samples. ( <a href="#">resum</a> )	Lirio Coll, Àlex

Design and optimization of the synthesis of butyl levulinate from levulinic acid and butanol by reactive distillation column ( <a href="#">resum</a> )	Mínguez Fité, Pere
Sustainable Use of Cold Energy in the Regasification of Liquefied Natural Gas (LNG) ( <a href="#">resum</a> )	Muro Marin, Laura
Design of a software executable from the "Wolfram Player" to simulate Low-salt-rejection reverse osmosis (LSRRO) processes. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Navarro Balaguer, Andreu
Preparation of oleogels by indirect gelation of unsaturated oils with polysaccharides. Formulation and preliminary design of the manufacturing process. ( <a href="#">resum</a> )	Noriega La Torre, Ailin
Supercritical CO2 pasteurization of fresh cut tropical fruits. Physical-chemical analysis and shelf-life study. ( <a href="#">resum</a> )	Oliver Sáez, Daniel
Basic design of a polybenzimidazole (PBI) production plant. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Recacha Benito, Laura
Nature-based solutions as a pretreatment to enhance the removal of contaminant of emerging concern in wastewater ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Sabina de La Rosa, Pol
Removal of micropollutants contained in wastewaters by a hybrid system: Constructed wetland and Advanced oxidation process. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Sánchez Bernardo, Javier
Valorization of bromine-containing waste printed circuit boards and biowastes through co-pyrolysis process for fuel production. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Torra Ros, Guillem
Implementation of a sustainable beer production plant. A critical literature reviews. ( <a href="#">resum</a> )	Vidal Figuera, Albert

Biofuels and bioenergy from lignocellulose: processes, principal issues, advantages, and alternatives for biofuel production compared to fossil fuels. ( <a href="#">resum</a> )	Villa Angel, Juan Felipe
Simulation and Augmented Reality-Based Projection of a Double-Tube Heat Exchanger Operation. ( <a href="#">resum</a> )	Villoria Vázquez de Parga, Nicolás
Evaluation of technologic improvements for the treatment of wastewater. ( <a href="#">resum</a> )	Zahrane Naqqadi, Rayan