



CURS 2022-2023

SEMESTRE DE TARDOR

Títol en anglès	Alumne
Optimization of refining stages for grape seed oil.	Erice Ros, Iñigo
Micro and Nanoplastics removal in Drinking Water Treatment Plants. (resum)	Muriel Pérez, Lydia
Production of isomannide from D-mannitol: A critical review. (resum)	Núñez Duarte, Marc
Study of alternatives for the implementation of anaerobic digestion at Montcada i Reixac WWTP. (resum)	Suárez Sixto, Adrián

SEMESTRE DE PRIMAVERA

Títol en anglès	Alumne
Volatile fatty acids up-concentration in fermentation liquids using Forward Osmosis. (resum) (dipòsit)	Abad Bertolín, Elías
Integration of Augmented Reality and Computational Fluid Dynamics in Chemical Engineering Laboratory Practices. (resum)	Andaluz Reyner, Albert
Design of a water treatment plant for emergency situations. (resum)	Andres Mercado, Johan
Mathematica simulation of non-steady state heat conduction of solids (resum)	Auladell Conte, Xavier
Study of biochar as a tool for the elimination of micropollutants in wastewater: synthesis and variables. (resum)	Autó Van der Hoeven, Emma
PRISMA Project: Implantation of new maintenance management software. (resum)	Bajaña Pacheco, Karla
Analysis of the variables that appear in the chemical steeping of corn with sodium bisulfite. (resum)	Berríos Flores, Andrés
Literature review of the unit operation of comminution (resum)	Blánquez Barroso, Sergi

Study of the production of citrus-derived essential oils and their regulatory framework (resum)	Castañeda Arribas, Laura
Real time simulation of a double pipe heat exchanger by CFD (resum)	Cuacos Peña, Gerard
Biomass conversion to bioplastics: determination of thermodynamic properties and equilibrium of the catalysed sorbitol-to-isosorbide double dehydration reaction. (resum) (dipòsit)	Cuesta Bruned, Javier
Study of a natural gas liquefaction process and analysis of the energy requirement. (resum)	de Roa Martínez, Pau
Hydrocyclone Simulation by CFD (resum)	Díaz Pineda, Pedro
Review of industrial safety legislation and its technical implication. (resum)	Figueroa Peralta, Laura C.
Cyclone simulation by CFD. (resum)	Fonoll Soto, Joan
Rigorous simulation of a Plate Heat Exchanger using Aspen Plus and Aspen EDR (resum)	Gómez Anguita, Ander
Application of neural networks to model double tube heat exchangers (resum) (dipòsit)	Gómez Cáceres, Max
Theoretical estimation of thermodynamic properties of D-mannitol dehydration to produce D-isomannide. (resum)	Gonzalez Corvillo, Maria Dolores

Implementation of Turkey REACH in an intermediate chemical company.	Lens Gonzalez, Jocelyn
Development of multipurpose sunscreen for the sensitive areas of the face and design of the manufacturing process. (resum) (dipòsit)	Luis Noguera, Arantza Jhoana
Study of solubility of mannitol in different organic solvents. (resum) (dipòsit)	Maimouni Filali, Sara
Analysis on the elaboration of kombucha. (resum) (dipòsit)	Majó Ylla-Català, Joana
Tramadol Hydrochloride: Study of the Production Process and Equipment Selection (resum) (dipòsit)	Maria Fàbregas, Mercè
Ammonia recovery using a gas-permeable membrane under different operational conditions (resum) (dipòsit)	Molsosa Solanas, Marc
Biogenic and abiogenic systems of hydrocarbon accumulations applied to Mars. (resum)	Olmos López, Víctor
Dynamics and control of stirred-tank reactors. (resum)	Porcel Herrejón, David
Virtual reality applied to chemical engineering education. (resum)	Rojano Moyano, Ivan
Study of pervaporation in continuous regimen through aqueous solvent mixtures. (resum) (dipòsit)	Santiago Negro, Álex

Development of plant-based meat products as an alternative to meat and preliminary design of their manufacturing process. (resum)	Sebastián García, Laura
Membrane technology for the recovery of nutrients in wastewater. (resum) (dipòsit)	Soto Pingarrón, Jenifer
Development of toothpaste tablets and preliminary design of the manufacturing process. (resum)	Uruel Madrid, Víctor
n-Octyl levulinate production by esterification of levulinic acid with 1-octanol over acidic ion-exchange resins: a screening study. (resum)	Vancells, Joaquim
Assessment of the Current State of Carbon Capture for Climate Change Mitigation. (resum) (dipòsit)	White, Daniel Robert
Valorization of lignocellulosic materials through ABE fermentation: literature review. (resum)	Zarco Salmerón, Joan