



CURS 2020-2021

SEMESTRE DE TARDOR

Títol en anglès	Alumne
Design of the necessary installations to make a house independent in terms of energy. (resum) (dipòsit)	Aguirre Temprano, Ignacio
Design of a plant for Remdesivir manufacturing. (resum)	Arroyo Bernal, Víctor
Waste management in the construction sector. (resum)	Bouzas i Colom, Ona
Effects of incorporating baffles into the cooling system of an internal combustion engine. Study through ANSYS® CFD software. (resum) (dipòsit)	Fernández Córdoba, Adrián
Heat Exchanger Modeling for Experimental Practice on Experimentation in chemical engineering. (resum)	Galué González, Roxiluy
Start-up of the experimental setup for the hydrogenation reaction of levulinic acid to γ -Valerolactone over a Pd-doped ion-exchange resin. (resum) (dipòsit)	Miras Gil, Marta

A critical comparison of methods for chemical process heat Integration. (resum)	Monetti Forcat, Elisenda
Design of a steam boiler for the food industry. (resum)	Montenegro Jiménez, Kevin
Enzymatic production of butyl levulinate. (resum)	Nieto Pineda, Marcela
A preliminary design of an ozonation process in a municipal wastewater treatment plant for water reuse. (resum) (dipòsit)	Orta i Gumà, Marina
Methodologies for accidents analysis: key parameters. (resum) (dipòsit)	Parera Pérez, Valèria
Removal of bisphenols by UV/H ₂ O ₂ : degradation, photolysis and kinetics studies. (resum)	Piera Santacruz, Ana
Development of a nebulized product for asthma treatment. (resum)	Rodríguez Lendínez, Sergi
Development of tools for assessing the human and environmental safety of chemical formulations for consumer products.	Roig Cáliz, Marta
Development of the manufacturing process and basic design of essential equipment for the production of the surface antigen of the Hepatitis B virus. (resum)	Torrescusa Miguélez, Albert
Simulation software for batch binary distillation with Mathematica© code. (resum)	Trilla Méndez, Miguel

Demand forecasting using the Monte Carlo method. (resum) (dipòsit)	Vallespí Monclús, Àlex
Design of a photovoltaic installation in a desalinization plant. (resum)	Vilalta Serra, Laura
Development of a hand sanitizer with moisturizing properties for atopic skins. (resum)	Zavaleta Cruz, Keila Catherin

SEMESTRE DE PRIMAVERA

Títol en anglès	Alumne
Study of the nitrogen recovery from an internal stream of a municipal wastewater treatment plant using selective membranes. (resum) (dipòsit)	Albiol Burcet, Aina Xioachun
Chemical Processess Exergy Assessment in the Circular Economy. (resum) (dipòsit)	Alcaraz López, Mariona
Obtaining bioproducts from biomass. The isomerization of glucose to sorbitol as a precursor to isosorbide. (resum)	Benali Ouhazem, Fátima
CO Electro-oxidation using near-surface alloys of platinum and transition metals. (resum) (dipòsit)	Brito Ravicini, Alvaro
Biomass transformations to biofuels: determination of thermodynamic properties of reaction and selection of optimal catalyst for the esterification of levulinic acid with 1-butene. (resum) (dipòsit)	Canadell Soler, Eloi
Aplication of a Quantative Risk Assessment (QRA) in a refinery unit. (resum) (dipòsit)	Caurin Fornells, Arnau
Development of Product Range for Testosterone Treatments. (resum) (dipòsit)	Chiva Casas, Clàudia
Optimization of ethyl acetate – methanol separation by pressure-swing distillation. (resum)	Clavé Batlle, Genís
Development of a range of lipsticks with a protective and repairing effect. (resum)	Cruz Pardo, Paula

Eco-gamma assessment on water resources impact. (resum) (dipòsit)	Cruz Simarro, Isaac
Modelling of an experimental unit for CO ₂ adsorption from exhaust gases. (resum)	Domenech Serra, Laura
Forensic Sciences applied into a Police Laboratory (resum)	Espejo Sanchez, Luís Miguel
Design and optimization of Butyl Levulinate synthesis from Levulinic Acid and Butanol. (resum)	Espinosa i Parramon, Jaume
Design of a plant for bioethanol production from sugarcane. (resum) (dipòsit)	Galán Ochavo, Nerea
Study of PHA extraction. (resum)	Gannou Agadou, Rachid
Production of isosorbide from sorbitol: A critical review. (resum) (dipòsit)	Gil Vázquez, Miquel Vicent
Analysis of the Recovery of aqueous solvents from the pharmaceutical industry: isopropanol and ethyl acetate. (resum) (dipòsit)	Hamad Piqué, Alex
Papain extraction from papaya and determination of its enzymatic activity. (resum) (dipòsit)	Lapuente Salinas, Eduard
Introduction of simulation in the "Experimentation in Chemical Engineering I" subject. (resum) (dipòsit)	Lipso, Dolores

Study of the production of Volatile Fatty Acids in a municipal wastewater treatment plant. (resum) (dipòsit)	Llopart Serra, Joaquim
New tendencies in ice cream development and manufacture. (resum)	López Mundó, David
Extractive distillation applied to ideal mixtures (resum)	Manzano Pareras, Marc
DSE method application to find a heuristic for the usage of a preconcentration column in an extractive distillation System. (resum)	Marin Salcedo, Samuel
Corrosion resistant thermal spray Coatings for protection of TES tanks. (resum) (dipòsit)	Martí Ferré, Biel
Design of a methyl ethyl ketone production plant. (resum) (dipòsit)	Martín Cruz, Eric
Design of a treatment plant for the management of wastewater in a small town. (resum)	Neira Martínez, Abel
Design of a polyphenol manufacturing plant. (resum)	Pérez Acosta, Macarena
Design of an anaerobic digestion facility to treat pig slurry and improve the energy balance of a pig farm. (resum)	Pijuan Potrony, Lluís
Development of a range of hair growth promoting products and preliminary design of their manufacturing process. (resum) (dipòsit)	Pinto Durazno, Valeria Aimmé

Monoclonal antibodies manufacture for cancer therapy. (resum) (dipòsit)	Porqueras Domènech, Anna
Development of solid perfumes and preliminary design of their manufacturing process. (resum)	Puig Carrera, Marina
Catalytic applications of metal supported ion-exchange resins. A critical State of the art. (resum)	Rian Rian, Mehdi
Design the control loops of the simple Asahi process. (resum)	Riera Villanueva, Albert
A reliable and simple heuristic for extractor flow rate in extractive distillation. (resum)	Rius Castella, Anna
Review and economic feasibility of biogas upgrading technologies. (resum)	Roca Diest, Marco
Transformation of biomass into chemicals. An assessment of the potential of biorefineries. (resum)	Sánchez Cifuentes, Sebastián
Mechanical characterization of PP, HDPE and PLA extruded raffia.	Siscar Pastor, Estefania
Research on the Autodyn capabilities to simulate accidents in Chemical plants. (resum)	Sisó Robles, Arnau
Fire and explosion investigation techniques. (resum)	Suárez-Fuster Torra, Glòria

Simulation software for batch binary distillation with Mathematica© code. (resum) (dipòsit)	Trilla Méndez, Miguel
Computational fluid dynamics (CFD) as a tool for simulating the interior of different chemical process units. (resum) (dipòsit)	Troyano Ferré, Carles
Development of the CFD code through the Mathematica® program to simulate a deep bed filter. (resum)	Villamil Corredor, Isabella