

MASTER'S FINAL PROJECT (2021-22)

PROPOSALS REPORTED FAVOURABLY BY THE MASTER'S COORDINATION COMMISSION (31/10/2021)

Student	Chávez Briceño, Lyzeth
Title	CFD analysis and simulation of helical coil inserts in corrugated tubes for double-pipe heat exchangers
Tutor(s) UB	Drs. Jordi Bonet I Alexandra Plesu
Tutor(s) Company	
Student	Cleton, Sebastian
Title	The bibliographical review about ferrofluids: preparation and applications
Tutor(s) UB	Dr. Javier Tejero
Tutor(s) Company	
Student	Del Pozo Portulás, Víctor
Title	Study and design of multiproduct plant of vegetable beverages
Tutor(s) UB	Dres. Esther Chamarro i Alicia Maestro
Tutor(s) Company	
Student	García Gutiérrez, Gloria
Title	Best available techniques for minimization of VOC emissions in automotive coating industry: a case study
Tutor(s) UB	Dr. Sergi Astals
Tutor(s) Company	
Student	González Rodríguez, Ágata
Title	Reduction in the percentage of unscheduled shutdowns in the reactor area
Tutor(s) UB	Dra. Maria Alicia Cardete
Tutor(s) Company	Foix Galimany
Student	Gutiérrez Campos, Eva
Title	Contribution to the study of heat integration of pressure swing distillation
Tutor(s) UB	Dr. Jordi Bonet
Tutor(s) Company	
Student	Lafuente Jiménez, Álex
Title	Legalization of the raw materials warehouse according to the chemical products storage regulation (RD656/2017) of a chemical plant
Tutor(s) UB	Dr. Joan Dosta
Tutor(s) Company	E. Suñé
Student	López Expósito, Raúl
Title	Implementation of a dispersion system in a paper factory
Tutor(s) UB	Dra. Esther Chamarro
Tutor(s) Company	
Student	Lorente Sánchez, Sergi
Title	Design of an industrial wastewater treatment plant at a poultry processing factory
Tutor(s) UB	Dr. Sergi Astals
Tutor(s) Company	

Student	Matías Brañez, Joselyn Belén
Title	Transition towards decarbonization of the chemical industry by reconversion biomass oxidation processes into catalytic gasification
Tutor(s) UB	Dra. Maria Alicia Cardete
Tutor(s) Company	
Student	Meco Morales, Eric
Title	Methanol synthesis by CO2 hydrogenation using reactive distillation
Tutor(s) UB	Dres. Jordi Bonet i Alexandra Plesu
Tutor(s) Company	
Student	Montañés Puig, María
Title	Improvement of the fragrance process design based on the experimental raw material data
Tutor(s) UB	Drs. Jordi Bonet I Alexandra Plesu
Tutor(s) Company	D. Costa
Student	Montes Álvarez, Manuel Eduardo
Title	Development of a Technology based on the SILAR method for the deposition of nanometric layers with controlled thickness for photovoltaic applications
Tutor(s) UB	Dr. Joan Dosta
Tutor(s) Company	
Student	Peña Pícola, Sergi
Title	Volatile fatty acid production using food waste to select and accumulate bioplastic
Tutor(s) UB	Drs. Joan Dosta i Sergi Astals
Tutor(s) Company	
Student	Serra Díaz, Albert
Title	Design improvement in silicon vulcanization ovens to enhance energetic efficiency with ANSYS®
Tutor(s) UB	Dra. María Alicia Cardete
Tutor(s) Company	V. Ravago
Student	Solé Gamell, Álex
Title	Circular economy. Production of bioethylene from waste oils
Tutor(s) UB	Dra. María Alicia Cardete
Tutor(s) Company	
Student	Trujillo Artero, Sergio
Title	Production capacity increase of a metformin hydrochloride plant using a heuristic-based systematic approach
Tutor(s) UB	Dra. María Alicia Cardete
Tutor(s) Company	
Student	
Title	
Tutor(s) UB	
Tutor(s) Company	