

# Final TFG. Semestre de tardor. Curs 2023-24

		Alumne
<b>1. New materials</b>		
1.1	Microfluidic synthesis of 3D covalent organic frameworks (COFs) <a href="#">(resum)</a>	Adell Roca, Miquel
1.2	Development of microcapsules with thermal, mechanical and chemical resistance from plastic waste to contain MPCM <a href="#">(resum)</a>	Baltykova, Altana
1.3	Amphiphilic compounds and their role in biomineralization. <a href="#">(resum)</a>	Calderon Miranda, Elena
1.4	Fabrication and characterization of clot-in-chip platforms <a href="#">(resum)</a>	Cornejo Paredes, Marco
1.5	Synthesis of expanded perovskites with controllable electrical doping <a href="#">(resum)</a>	Espuch Escobar, Miquel
1.6	Synthesis of single-crystals of quasi-2D perovskites for light-absorbing applications <a href="#">(resum)</a>	Mediavilla Pina, Miquel
1.7	Low-cyanide electrolyte for AuCu alloy electrodeposition. <a href="#">(resum)</a>	Sebastià Castarlenas, Enric
<b>2. Food and health</b>		
2.1	Characterization and authentication of meat and meat products using chromatographic metabolomic fingerprints <a href="#">(resum)</a>	Aijon Xalmet, Nil

2.2	Combination of optical and electrochemical methods for the resolution of pharmaceutical formulations <a href="#">(resum)</a>	Baun Carazo, Pol
2.3	Interactions between drugs and biliary salts micelles present in intestinal fluids <a href="#">(resum)</a>	Cabañas Castaño, Ruben
2.4	Design of sensors and preconcentration strategies for the electroanalytical determination of pharmaceuticals <a href="#">(resum)</a>	García Arnan, Xènia
2.5	Gradient elution HPLC/UV method for the determination of sweeteners in soft drinks. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Huetto Gual, Joel
2.6	Voltammetric analysis of bioactive compounds in food samples <a href="#">(resum)</a>	Roca Aracil, Marc
<b>3. Environment</b>		
3.1	Photocatalytic Removal of Emerging Organic Pollutants in Water <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Bautista Rosas, Queralt Lu
3.2	Physicochemical characterization of wastes: providing proficiency testing according ISO 17043. <a href="#">(resum)</a>	Blasco Villegas, Carla
3.3	Simultaneous analysis of plutonium isotopes and <sup>90</sup> Sr with fluorescents polymers in tandem. <a href="#">(resum)</a>	Giner Mestre, Mònica
3.4	Optimization of experimental parameters for the electro-oxidation of kraft lignin <a href="#">(resum)</a>	Lladós Clos, Jaume

3.5	Iridium electrocatalysts supported on doped titania nanotubes for oxygen evolution reaction. <a href="#">(resum)</a>	Mena Andrade, Santiago Andrés
<b>4. Computational Studies</b>		
4.1	Stereochemical influence on tuning the transition temperature in Spin-Crossover molecules <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Alcocer Bernuz, Carlota
4.2	Atomic Doping in Nano-oxides for Photocatalysis <a href="#">(resum)</a>	Huang Haoyu
4.3	Preliminary study of organic radicals generated from 1,3,2-dithiazolyl capable of forming magnetic crystals. <a href="#">(resum)</a>	Montes Segarra, Ainhoa
<b>5. Syntesis and Reactivity</b>		
5.1	Synthesis of molecular boxes using heptazine ligands. <a href="#">(resum)</a>	Blanco Gea, José Antonio
5.2	Synthesis of cyclic peptide antibiotics and related compounds. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Candelario Ribas, Hermes
5.3	Synthesis of N-acyl thioimides. Direct, catalytic and asymmetric reactions of construction of C-C bonds. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Castella Rodríguez, Josep
5.4	Water-soluble organometallic complexes of lanthanides. <a href="#">(resum)</a>	Conesa Escoda, Marc
5.5	Synthesis of functional organic dyes and their characterization using NMR, MS, UV-vis and fluorimetry. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Font Fraga, Oscar

<b>5.6</b>	Synthesis and characterization of imine palladacycles. <a href="#">(resum)</a>	Guadalupe Phang, Eva Sofia
<b>5.7</b>	Fluoride-triggered homoallylic trifluoromethylation of allyl fluorides with gem-difluoroalkenes. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Insausti Brull, Gerard
<b>5.8</b>	Synthesis of PROTACs for Castration-Resistant Prostate Cancer. <a href="#">(resum)</a>	Lluch Díez, Xavier
<b>5.9</b>	Synthesis of luminescent phosphane gold(I) complexes. <a href="#">(resum)</a>	Onetti i Batlle, Oriol
<b>5.10</b>	Synthesis of iron (III) porphyrins and study of their magnetic properties. <a href="#">(resum)</a>	Romo Carmona, Marc
<b>5.11</b>	Catalytic alkene and alkyne hidroacylation using Rh(I) complexes with diphosphanes. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Saumell Palacios, Nil
<b>5.12</b>	Synthesis, structural and magnetic studies of new coordination complexes 3d and 4f with schiff bases derived from oxalic dihydrazide. <a href="#">(resum)</a>	Sitjar Botey, Pedro
<b>5.13</b>	Characterization of complexes derived from the Ag <sup>II</sup> cation as candidate to quantum computation QUBITs. <a href="#">(resum)</a>	Xuriguera Bravo, Clàudia

<b>6. Methods and Techniques</b>		
6.1	Characterisation of modified industrial filtration membranes by chemical imaging and chemometrics <a href="#">(resum)</a>	Frías Bermúdez, Adrià
6.2	Ink optimization for the fabrication of Cu <sub>2</sub> O-CeO <sub>2</sub> gas diffusion electrodes. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Orcera Busquets, Júlia
6.3	Effect of oxidations in the kinase domain of Src. <a href="#">(resum)</a>	Urbano Romero, Laia
6.4	Copper hydrometallurgic processes. <a href="#">(resum)</a>	Vindel Deras, Katherine N
<b>7. Bibliographic research</b>		
7.1	Metabolomic approach to assess arsenic stress in plants and algae. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Bujons Lario, Jana
7.2	Activation of carbon dioxide mediated by organometallic complexes derived from earth-abundant metals. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Carrascosa Estaún, Àngela
7.3	Superfluid helium nanodroplets and Chemistry. Fundamentals and applications. <a href="#">(resum)</a>	Costa Boatella, Maria
7.4	Analysis of the effect of viscosity in the design of fluorescent molecular rotors. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Gambin Sáez, Albert
7.5	Creation of a database of polonium distribution coefficient in soils. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Planas Rafel, Aleix

7.6	Photoactive structures with multiple azobenzene units. <a href="#">(resum)</a>	Ruiz Tienda, Eva
7.7	Formamide formation by different routes and on Titan. <a href="#">(resum)</a>	Santillana López, Noemí
<b>8. External Organizations</b>		
8.1	Human biomonitoring and wastewater-based epidemiology as complementary approaches for early identification of chemical exposure risks at the neighborhood level. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Ballester Miró, Olivia
8.2	Effect of TiO <sub>2</sub> particle size: haemolytic activity and cell viability determination interference. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Bescós Tenas, Laura
8.3	Developing of analytical methodology for the determination of per- and polyfluoroalkyl substances in drinking water. <a href="#">(resum)</a>	Gil Estela, Carlota
8.4	Target Screening of Organic Contaminants in Lettuce Partially Irrigated with Reclaimed Wastewater. <a href="#">(resum)</a>	Jiménez de Parga Gros, Ana
8.5	Implementation of the regulations of Annex 1 of GMP (Good Manufacturing Practice) in the production area of Laboratorios Grifols S.A. P9, Parets del Vallès. <a href="#">(resum)</a>	Martínez Montes, Sonia
8.6	Occurrence of contaminants of emerging concern in urban groundwater samples from Barcelona city. <a href="#">(resum)</a>	Mestanza Castelltort, Erik
8.7	Analysis of plasticizers in bird eggs from Doñana National Park. <a href="#">(resum)</a>	Ortiz Lisbona, Sandra

8.8	Comparative evaluation of different film-forming ingredients as water resistance agents in sun protection products. <a href="#">(resum)</a>	Ruiz Veia, Emma.
8.9	Atroposelective C–H amination. Synthesis of ligands and methodology. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Sans Claro, Ariadma
8.10	Study of the electromagnetic shielding effect in a cable of a polymeric compound combined with different types of carbon nanoparticles. <a href="#">(resum)</a>	Sufuentes Pérez, Abel Hermes
<b>9. Erasmus/Sicue</b>		
9.1	Deposition of $\text{BaCo}_{0.4}\text{Fe}_{0.4}\text{Zr}_{0.2}\text{O}_{3-6}$ material thin films through chemical solution via Spin-Coating. <a href="#">(resum)</a> <a href="#">(dipòsit)</a>	Gutierrez Arce, Judith
9.2	Transforming waste into fertilizer: exploring the future utilization of spent alkali activated material (aam) adsorbent <a href="#">(resum)</a>	Serrahima Serra, Anna

## Final TFG. Semestre de primavera. Curs 2023-24

		Alumne
<b>1. New materials</b>		
1.1	Exploring high-entropy perovskites for high energy storage capacity. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Angulo Ballester, Marta
1.2	Drug encapsulation in protein nanoparticles. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Castellanos Pons, Emma
1.3	Use of a low content magnesium oxide to obtain a basic magnesium carbonate of high purity. Laboratory scale study. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Freixa Arumí, Núria
1.4	Use of plastic waste to formulate new microencapsulated phase change materials (MPCM) with thermal, mechanical and chemical resistance ( <a href="#">resum</a> )	García Carreras, Laura
1.5	Functionalization of hyaluronic acid-based 3D bioinks for 3D printing of neural tissue. ( <a href="#">resum</a> )	Mañas Roman, Laura
1.6	Reactive Magnesia Cement: Low carbon cements. ( <a href="#">resum</a> )	Melendez Cobo, Míriam
1.7	Preparation of ceramic particles and suspensions for the design of radiofrequency sheets. ( <a href="#">resum</a> )	Palau Blanes, Cèlia



1.8	Synthesis and characterization of an 18-karat gold-copper alloy obtained from a low-cyanide bath. ( <a href="#">resum</a> )	Puig Pursals, Pere
1.9	Functionalization of microstructures for photo-thermal production of $\gamma$ -valerolactone. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Rigual Miret, Jordi
1.10	Synthesis and characterization of photocurable star-shaped and linear polymers based on polylactic acid (PLA) and polyethylene glycol (PEG). ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Sanz Fuentes, Alejandro
1.11	Colloidal synthesis of ternary semiconductor nanostructured materials with high NIR absorption. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Volkova Volkova, Anna
<b>2. Food and health</b>		
2.1	Identification of bioactive compounds in quinoa grains following a chemometrics-assisted metabolomics approach. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Compte Peña, Josep
2.2	Effect of polyphenols on the performance of spectrophotometric assays for the determination of total sugars. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Hidalgo Duque, Alex
2.3	Determination of food dyes in soft drinks by UV/Vis spectrophotometry and HPLC-UV/Vis. ( <a href="#">resum</a> )	Lorente Saorin, Pau

2.4	UHPLC/UV determination of sweeteners in soft drinks and energy drinks. ( <a href="#">resum</a> )	Martínez Herrero, David
2.5	Characterization of Afalfa protein extracts for safe foods. ( <a href="#">resum</a> )	Pérez Amor, Adrià
2.6	Characterization and authentication of red wines by Uv-visible and molecular fluorescence spectroscopy. ( <a href="#">resum</a> )	Rodríguez Espés, Joel
2.7	Evaluation of liquid chromatography coupled to mass spectrometry for the analysis of glycopeptide biomarkers of pancreatic cancer. ( <a href="#">resum</a> )	Sánchez Vilanova, Víctor
<b>3. Environment</b>		
3.1	Metal oxide supported iridium electrocatalysts for the oxygen evolution reaction. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Calabrés Casellas, Carlos
3.2	Advanced Photocatalyst Synthesis for Efficient Removal of Emerging Water Contaminants. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Domingo Farrà, Anna
3.3	Comparative study between alpha-spectrometry and mass-spectrometry for the analysis of uranium isotopes in drinking water samples. ( <a href="#">resum</a> )	Puig Martí, Carles
3.4	Synthesis of photoactive heterostructures for green hydrogen production. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Sieiro Deumal, David

<b>4. Computational Studies</b>		
4.1	Calculation of n-hexane/water interfacial tension using molecular dynamics simulations: optimal determination of statistical errors. ( <a href="#">resum</a> )	Alorda Borrego, Oriol
4.2	Molecular modeling of the selectivity in artificial DNA base pairs. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Bermejo Borrella, Andreu
4.3	Analysis of the electronic structure of Thiele's hydrocarbon analogues with heteroatoms. ( <a href="#">resum</a> )	López Martínez, Alex
4.4	Computational study of the optical properties of open-shell antiaromatic molecules. ( <a href="#">resum</a> )	Macías Pérez, Adrian
4.5	Computational Study of Membrane-inserted BAK. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Sierra Rodríguez, Julian
<b>5. Syntesis and Reactivity</b>		
5.1	Preparation of pentadentate encapsulating ligands with a carboxylate group and its coordination to a Co(III) centre. ( <a href="#">resum</a> )	Alfaro Retamero, Javier
5.2	Alternatives to syngas in hydroformylation chemistry. ( <a href="#">resum</a> )	Arroyo Moso, Unai

5.3	Lanthanide complexes with phosphine oxides: synthesis, luminescence and magnetism. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Balcells Gonfaus, Oriol
5.4	Synthesis of novel building blocks for the formation of redox-responsive supramolecular organic frameworks. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Ballester González, Javier
5.5	Construction of homoallylic trifluoromethylated compounds via fluoride-triggered cross-electrophile coupling. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Barroso Herrero, Clàudia
5.6	Synthesis of Fe <sub>3</sub> O <sub>4</sub> nanocubes coated by spin crossover polymer (Fe <sub>3</sub> O <sub>4</sub> @SCO) shell. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Bornay Carballal, Noelia
5.7	Synthesis of functional organic dyes and their characterization using NMR, MS, UV-vis and fluorimetry. ( <a href="#">resum</a> )	Buedo Castellón, David
5.8	Development of new MOF-based materials for gas sensing. ( <a href="#">resum</a> )	Cabañas Gaza, Gerard
5.9	Synthesis and study of the encapsulation of M(oxalate) <sub>3</sub> [M = Ru (S=1/2), Cr (S=3/2) and Fe (S=5/2)] inside Fe-Helicates. ( <a href="#">resum</a> )	Canela Domingo, Eva
5.10	Synthesis of luminescent and/or magnetic compounds derived from lanthanide. ( <a href="#">resum</a> )	Choque Alba, Kevin A

5.11	Synthesis of monomers for obtaining liquid-crystalline elastomers with smectic mesophases. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	De La Dueña Pascuet, Jordi
5.12	Synthesis of deuterated monomers to study the local order in liquid crystal elastomers. ( <a href="#">resum</a> )	Delgado Marfil, Anna
5.13	Derivatisation of chiral adducts from reactions of N-Acyl-1,3-oxazolidine-2-thiones with Propargylic Acetals. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Fernández Vilana, Marc
5.14	Tailoring the future of quantum computing through rational molecular design of host-guest supramolecular assemblies. ( <a href="#">resum</a> )	Luco Pérez, Bernat
5.15	NMR and biophysical studies of stabilized i-motif structures. ( <a href="#">resum</a> )	Martínez Aranda, Pedro
5.16	Supramolecular switchable materials based on Spin-Crossover compounds. ( <a href="#">resum</a> )	Martínez Vives, Oscar
5.17	Dual catalysis in the reactions of cinnamaldehydes with enamines and Ni(II) enolates. ( <a href="#">resum</a> )	Oruña Arasanz, Javier
5.18	Synthesis and characterization of new HIV-1 antiviral agents. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Paytubi Cendrós, Albert
5.19	Porphyrins as photoredox catalysts. Photophysical and electrochemical studies of functionalized porphyrins. ( <a href="#">resum</a> )	Ponzano Sala, Enric

5.20	Claisen condensations by mechanochemistry. ( <a href="#">resum</a> )	Rico Habás, Joel
5.21	Synthesis, structural and magnetic study of Schiff base-derived coordination compounds. ( <a href="#">resum</a> )	Rodríguez Domínguez, Carla
5.22	Cyclization reactions via C–H activation processes. ( <a href="#">resum</a> )	Ruiz Badia, Víctor
5.23	Heparin responsive Supramolecular Nanomaterial for analyte sensing. ( <a href="#">resum</a> )	Ruiz Camps, Ivette
5.24	Synthesis and kinetics of photoisomerization processes of square-planar Pd(II) and Pt(II) water soluble compounds. ( <a href="#">resum</a> )	Sanchez Rodríguez, Joel
5.25	Synthesis of novel phenanthroline-based Ru (II) complexes as photosensitizers potentially useful for photodynamic therapy under hypoxia. ( <a href="#">resum</a> )	Ventura Crespo, Albert
<b>6. Methods and Techniques</b>		
6.1	Sc-Fe-IIP: Novel scintillating material for selective analysis of <sup>55</sup> Fe. ( <a href="#">resum</a> )	Alcaide González, Irene
6.2	Characterization of retention for neutral and ionized solutes in hydrophilic interaction liquid chromatography. ( <a href="#">resum</a> )	Almarcha Ruiz, Francesc

6.3	Exploring non-oriented substrates for STM Break-Junction Technique. ( <a href="#">resum</a> )	Balas, Daria Emily
6.4	Optimization of an airbrush-spray deposition method to fabricate copper-based gas diffusion electrodes. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Batalla Porta, Gerard
6.5	Continuous flow cell operation using a Cu <sub>2</sub> O-CeO <sub>2</sub> -based gas diffusion electrode. ( <a href="#">resum</a> )	Bocanegra Colomer, Roger
6.6	Novel Machine Learning Tools for data treatment in STM Break Junction Technique. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Cuscó Rovira, Sara
6.7	Physicochemical processes under microfluidic conditions. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Estrades Bestit, Júlia
6.8	Determination of acidity constants in hydroorganic mixtures by potentiometry. ( <a href="#">resum</a> )	Garriga Ors, Clàudia
6.9	Innovative Creation of Chemistry Resources and Workshops Tailored for Obligatory Secondary Education. ( <a href="#">resum</a> )	Gómez Jiménez, Carla
6.10	Active learning methodologies to improve academic performance: Synchronous Flipped Classroom. ( <a href="#">resum</a> )	Guarner Sebastian, Mireia
6.11	Kinetic processes in photosensitive active biomaterials. ( <a href="#">resum</a> )	Hidalgo Bueno, Natalia

6.12	Reconstruction of Genome-Scale Metabolic Models using CORDA in colorectal cancer cells. ( <a href="#">resum</a> )	Huang, Hengxin
6.13	Feasibility of the method of dating bone remains with Ca-41. ( <a href="#">resum</a> )	Marabé Bueno, Sara
6.14	Preparation of a CPSresin for the selective analysis of Ni-63. ( <a href="#">resum</a> )	Martínez García, Oscar
6.15	Development of a plasmonic-based optical biosensor. ( <a href="#">resum</a> )	Massagué Periago, Martina
6.16	Oxidation of hydrogen peroxide by tungstate ion: kinetic study. ( <a href="#">resum</a> )	Salido Pons, Adrià
<b>7. Bibliographic research</b>		
7.1	Platinum complexes containing n-heterocyclic carbena ligands:properties and applications. ( <a href="#">resum</a> )	Anguera Travé, Andreu
7.2	Bibliographic search for carbon-carbon coupling reactions catalysed by transition metal complexes. ( <a href="#">resum</a> )	Astray Castañeda, Jennifer
7.3	Photochemistry of EDA complexes in enantioselective synthesis. ( <a href="#">resum</a> )	Caballé Rodríguez, Sandra
7.4	Alternative ethereal solvents for sustainable organic synthesis. ( <a href="#">resum</a> )	Cerrada Palma, Adrián



7.5	Asymmetric photoredox and electrochemical crossdehydrogenative coupling reactions, 2018-2024. ( <a href="#">resum</a> )	Crespo Ramiro, Albert
7.6	Plasmonic materials for the analysis and monitoring of the composition of cultural heritage objects. ( <a href="#">resum</a> )	Damaré Rodríguez, Daniel
7.7	Cataloguing of ancient scientific instruments from the Analytical Chemistry Section for the Virtual Museum of the UB. ( <a href="#">resum</a> )	Fernández Apolinario, Alexia
7.8	Past, present and future prospects of ferrocene and half-sandwich organometallic derivatives as antiviral agents. ( <a href="#">resum</a> )	González Molero, Joel
7.9	Additive Manufacturing of Metals and Alloys: technologies and applications. ( <a href="#">resum</a> )	Herranz Osorio, Judith
7.10	Sustainable synthesis using ionic liquids as solvents. ( <a href="#">resum</a> )	Mitjavila Viles, Alba
7.11	Mechanochemistry in organic synthesis. ( <a href="#">resum</a> )	Muñoz Solá, Andrea
7.12	Bibliographic help in understanding the physicochemistry of macromolecules by P.J.Flory and its application to polymer chemistry. ( <a href="#">resum</a> )	Pallarols Arguilé, Arnau

7.13	Analytical application of UV-vis spectroscopy in an advanced teaching laboratory. ( <a href="#">resum</a> )	Pomés Pol, Susana
7.14	A Bibliographic Study of Diradical and Polyradical Molecular Species in Organic Chemistry. ( <a href="#">resum</a> )	Puig Nualart, Adrià
7.15	MAX and MXenes-based systems as catalysts for reforming processes. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Pulido Borrás, Pol
7.16	Triplex DNA structures in chemical and biochemical analysis. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	San Millan Castillejos, Ana M
7.17	Synthesis and applications of azocompounds. ( <a href="#">resum</a> )	Tonato Arequipa, Andrea E
7.18	Progress on 2D carbide-based photocatalysts. ( <a href="#">resum</a> )	Usó Moragues, Verònica
7.19	Purification of plant extracts with high antioxidant activity using macroporous resins. ( <a href="#">resum</a> )	Walczkowski, Damian
<b>8. External Organizations</b>		
8.1	Analysis of endocrine disrupting plastic additives in menstrual products. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Calvo Salvador, Júlia
8.2	Inorganic-organic hybrid nanomaterials from biocompatible polymers as potential therapeutical tools. ( <a href="#">resum</a> )	Enguita Royo, Isaac

8.3	3D printing of innovative catalytic reactors for CO2 valorisation by Power to Gas routes. ( <a href="#">resum</a> )	Indurain Freixa, Júlia
8.4	Evaluation of elimination processes for micro- and nanobioplastics in waste water treatment plants. ( <a href="#">resum</a> )	López Palomeque, Valentina
8.5	Photolysis assessment of three wastewater borne pharmaceuticals, and identification of their transformation products by means of high-resolution mass spectrometry. ( <a href="#">resum</a> )	Motis Bria, Marc
8.6	Impact of morphological and compositional features on the optical properties of Bi2S3 Nanoparticles. ( <a href="#">resum</a> )	Pradas Rodríguez, Albert
8.7	Optimization of the use of water with glycol to clean paint tanks. ( <a href="#">resum</a> )	Quesada Martín, Aurora
8.8	Comparing the cytotoxicity and genotoxicity induced by compound with different phototoxic properties. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Reig Plazas, Eloi
8.9	Consolidation of data integrity control in the Quality Control department of Recipharm Parets SLU. ( <a href="#">resum</a> )	Rigau Castells, Marta
8.10	Deposition of Polymeric Layers on Seeds using Plasma Technology and their Effects on Germination Processes. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Salguero Hormichea, Paula

8.11	Synthesis of TiO <sub>2</sub> -modified Fischer-Tropsch catalysts by Atomic Layer Deposition. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Soler Martín, Ruben
8.12	Integration of analytical and chemometric tools for monitoring water pollutants. ( <a href="#">resum</a> )	Torner Ortiz, Jaume
8.13	Evaluation of elimination processes for bioplastic additives in waste water treatment plants. ( <a href="#">resum</a> )	Torres Arévalo, Eloy
8.14	Supramolecular Cages for the Recognition and Transmission of Chirality. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Usan Escala, Eudald
8.15	Synthesis and optimization of Tyrosine molecular receptors with anticancer activity. ( <a href="#">resum</a> )	Valero Roman, Anna
<b>9. Erasmus/Sicue</b>		
9.1	Synthesis of vicinal chloro-fluoropyranoses and study of their lipophilicity. ( <a href="#">resum</a> )	Calderon Rodríguez, Ariadna
9.2	Reuse of alkaline sulphate emission from battery industry. ( <a href="#">resum</a> )	Capdevila Resa, Judith
9.3	Exploring Protein Biochemistry through Individualized Experiments. ( <a href="#">resum</a> )	Conde Piera, Marta
9.4	Synthesis and characterization of thermo-responsive and cross-linkable Hydroxypropyl Cellulose Acrylate microgels. ( <a href="#">resum</a> )	Enriquez Barrero, Fernando

<b>9.5</b>	Solvent-Free and Ball Mill-Free Halogenation of Heteroarenes via C-H Activation by Rhodium Catalysis. ( <a href="#">resum</a> )	Estebanez Rosich, David
<b>9.6</b>	Investigating the viability of solventless Native Chemical Ligation (NCL) using mechanochemistry. ( <a href="#">resum</a> )	Gòdia Soler, Gemma
<b>9.7</b>	Biohybrid Adhesives: Access to Tannin-based Crosslinkers for TCCchemistry. ( <a href="#">resum</a> )	Mihasan, Alejandra
<b>9.8</b>	Calculations of Transient Absorption Spectra of Transition Metal Complexes. ( <a href="#">resum</a> )	Planelles Samper, Jan
<b>9.9</b>	Recovery of critical raw materials from LED samples. ( <a href="#">resum</a> )	Ruiz Sánchez, Clàudia
<b>9.10</b>	Development of New Electron Transport Layer Materials for Perovskite Solar Cells. ( <a href="#">resum</a> ) ( <a href="#">dipòsit</a> )	Van der Berg Ferrer, Gaia