

TEMAS DE TRABAJO FIN DE MÁSTER - Curso 2025-2026

(aprobado CCA 27/06/2025)

	PROFESOR/A tutor/a	Título del trabajo fin de máster
1	Carlos Martí Gastaldo	Chiral Metal-Organic Frameworks as Novel Stationary Phases for Enantioselective Drug Separation
2	Antonio Doménech Carbó	Logistic modelling of voltammetric curves
3	Emilio Pardo Marín	Capture of emerging pollutants by metal-organic frameworks (MOFs)
4	Enrique García-España Monsonís Estefanía Delgado Pinar	Recognition of phosphorylation processes using spectroscopic and potentiometric techniques
5	Jorge González García Estefanía Delgado Pinar	Application of photophysical and biochemical assays for assessing the disruption of g-quadruplexes
6	José Vicente Ros Lis	Development of electronic noses and multi-sensor systems with application in the agricultural sector.
7	Lorenzo Sanjuan Navarro Yolanda Moliner Martínez	Forensic analysis by direct analysis real time-MS
8	Rosa Herráez Hernández Neus Jornet Martínez	Characterization of drugs
9	Carmen Molins Legua Neus Jornet Martínez	Colorimetric sensors
10	Rosa Herráez Hernández Yolanda Moliner Martínez	Microplastics in the environment: analytical methods on miniaturized liquid chromatography.
11	María José Ruiz Ángel Juan José Baeza Baeza	Sustainable analysis of drugs using micellar liquid chromatography
12	María José Ruiz Ángel Juan José Baeza Baeza	Ionic liquids as mobile phase modifiers in liquid chromatography
13	Juan Peris Vicente	Use of micellar liquid chromatography to analyze commercial products
14	Alberto Chisvert Sanía Juan Luis Benedé Veiga	Analysis of biological fluids by microextraction techniques
15	María Vergara Barberán	Aptamer-based sorbents in natural supports for toxin extraction from foods
16	María Jesús Lerma García	3D-printed devices modified with smart materials for toxin extraction from foods
17	Miriam Beneito Cambra	Use of recycled plastics for the extraction of allergenic proteins
18	José Manuel Herrero Martínez y Jorge González García	Development of aptasensors for recognition of hazardous compounds
19	José Manuel Herrero Martínez y Héctor Martínez Pérez-Cejuela	MOF-based materials as sensor in low-cost platforms

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20	Enrique Javier Carrasco Correa Isabel Ten Doménech	Design of new solid-phase extraction systems using stimuli-responsive 3D printing devices
21	Enrique Javier Carrasco Correa Isabel Ten Doménech	HPLC-FLD determination of human milk oligosaccharides: Method validation and assessment of a 3D-printed extraction device
22	Ernesto Francisco Simó Alfonso	3D printing in Analytical Chemistry
23	Olga Pardo Marín Francesc Esteve Turrillas	Determination of emerging contaminants in food
24	David Pérez Guaita Francesc Esteve Turrillas	Use of Raman microscopy for the identification and characterization of cells in clinical samples
25	Ángel Morales M ^a Luisa Cervera	Determination of anions in mortar samples
26	Sergio Armenta Ángel Morales	Development of an Arduino-based sensor to identify and quantify cannabinoids
27	M ^a Luisa Cervera Sergio Armenta	Development of fluorescent sensors for the analysis of food contaminants