TÍTULOS Y TUTORES DE TRABAJO FIN DE MÁSTER
CURSO 2024-2025

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A study on chromatographic retention and enantioresolution of chiral compounds using Cellulose-2 and Cellulose-4 stationary phases in liquid chromatography	Yolanda Martín Biosca Salvador Sagrado Vives
X-ray fluorescence determination of macronutrients in plants	Ángel Morales Rubio Mª Luisa Cervera Sanz
A new device based on poly(methyl methacrylate) for the determination of thiocyanate in saliva	Rosa Herráez Hernández Neus Jornet Martínez
Analytical strategies for biomarkers	Yolanda Moliner Martínez Carmen Molins Legua
Design of polymer-porous hybrid materials based on fumed silica for the selective adsorption and controlled release of pollutants in wastewaters	Jamal el Haskouri José Vte Ros Lis
Development of a high-throughput method for the determination of salivary biogenic amines as a potential tool in lung cancer detection	Alberto Chisvert Sanía Juan Luis Benedé Veiga
Determination of environmental contamination parameters using 3D-Printed systems	Enrique J Carrasco Correa
Development of a portable method for the determination of aflatoxins in nuts using smartphone-based image analysis	Mª Luisa Cervera Sanz Sergio Armenta Estrela
Determination of disinfection by-products in drinking water by liquid chromatography-tandem mass spectrometry	Olga Pardo Marín Salvador Garrigues Mateo
Determination of psychoactive substances in wastewater	Daniel Gallart Mateu Francesc. A Esteve Turrillas
Development of aptasensors on low cost platforms	Miriam Beneito Cambra
A comparative study on Cellulose-1 and Cellulose-5 stationary phases in chiral liquid chromatography	Laura Escuder Gilabert Mª José Medina Hernández
Comparison of retention models for global predictions in chromatographic columns of different nature	José Ramón Torres Lapasió Juan José Baeza Baeza
Development of 3D-printed devices modified with metalorganic frameworks for the analysis of emerging pollutants	María Vergara Barberán
Development of synthetic cannabinoids using fluorescence measurements	Ángel Morales Rubio Sergio Armenta Estrela
Determination of toxins in foods using affinity 3D-printed extraction devices	Mª Jesús Lerma García
Evaluation of bioparameters using 3D- Printed systems	Enrique J Carrasco Correa
Analytical Strategies for Characterizing Lipid Oxidation: Integration of FTIR, LC-MS/MS, and Chemometrics in the Direct Analysis of ALA Ethyl Ester Oxidation	Ángel Sánchez Illana Miguel de la Guardia
Determination of per and polyfluoroalkyl substances in food using liquid chromatography-tandem mass spectrometry	Olga Pardo Marín Salvador Garrigues Mateo
Use of aptamer for toxins recognition and biophysical quantification of aptamer-like structures using optical probes.	Jose Manuel Herrero Jorge González García

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Analysis of drugs: cannabinoids in Cannabis sativa derived products	Rosa Herráez Hernández Neus Jornet Martínez
Determination of drugs by micellar liquid chromatography	Juan Peris Vicente
Non-targeted análisis of psychoactive substances i wastewater	Francesc A Esteve Turrillas Daniel Gallart Mateu
Metabolism study of 25B-NBOMe in pig plasma	David Pérez Guaita Francesc A Esteve Turrillas
Design of Polymer-Mesoporous Hybrid Materials for Selective Adsorption and Controlled Release of Contaminants in Wastewater	José Vicente Ros Lis Jamal el Haskouri
Development of sensors for food control	Ernesto F. Simó Alfonso
Metal-organic frameworks as efficient adsorbents of emerging pollutants	Emilio Pardo Marín José Manuel Herrero