

TÍTULOS Y TUTORES DE TRABAJO FIN DE MÁSTER

CURSO 2025-2026

Título	Tutor del Máster
Development of fluorescent sensors for the analysis of food contaminants	M ^a Luisa Cervera Sanz Sergio Armenta Estrela
Evaluation of asymmetrical flow field-flow Fractionation (AF4) for the estimation of micro/nanoplastics in environmental waters	Rosa Herráez Hernández Yolanda Moliner Martínez
Capture of emerging pollutants by metal-organic frameworks (MOFs)	Emilio Pardo Marín Jesús Ferrando Soria
In vitro metabolomic study of 2C phenethylamines	David Pérez Guaita Francesc Esteve Turrillas
Development of label-free optical aptasensing strategies using colorimetric and fluorescent dyes for ochratoxin A determination	J. M. Herrero Martínez Jorge González García
Sustainable analysis of drugs using micellar liquid chromatography	María José Ruiz Ángel Juan José Baeza Baeza
Photophysical and biochemical assays to the study of G-quadruplex structures	Jorge González García Estefanía Delgado Pinar
MOF-based materials as sensor in low-cost platforms	J. M. Herrero Martínez Héctor Mnez Pérez-Cejuela
Colorimetric sensors for food quality	Carmen Molins Legua Neus Jornet Martínez
Analysis of drugs: colorimetric analysis of cannabinoids	Rosa Herráez Hernández Neus Jornet Martínez
Use of micellar liquid chromatography to analyze commercial products	Juan Peris Vicente
Multivariate modulated MOFs for environmental applications	José Vicente Ros Lis Isabel Abánades Lázaro
Development of a Fluorescence Aptasensor for Sensitive Detection of the Peanut Allergen Ara h 1	Ernesto Fco. Simó Alfonso
Development of 3D-printed luminescent sensor for the evaluation of a gastrointestinal disease biomarker	Enrique J. Carrasco Correa Isabel Ten Doménech
Determination of emerging contaminants in food	Olga Pardo Marín Francesc Esteve Turrillas
AI-driven strategies in chiral HPLC	Laura Escuder Gilabert Salvador Sagrado Vives
Aptamer-based sorbents in natural supports for toxin extraction from foods	María Vergara Barberán
Study of DART-MS for Determination of 3,5-Dihydroxycinnamic acid in Urine Samples as Biomarker	Lorenzo Sanjuan Navarro Yolanda Moliner Martínez
Ionic liquids as mobile phase modifiers in liquid chromatography	María José Ruiz Ángel Juan José Baeza Baeza
Metal-organic framework functionalized cotton fabrics as extraction devices for saxitoxin determination	María Jesús Lerma García
Development of an analytical method for the determination of benzophenone in cosmetic products	Alberto Chisvert Sanía Juan Luis Benedé Veiga
Development of a 3D-printed boronic acid affinity device for human milk oligosaccharides isolation	Enrique J. Carrasco Correa Isabel Ten Doménech

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Cost-Optimized Metal-Organic Framework as an HPLC Stationary Phase for Aromatic Compound Separation	Carlos Martí Gastaldo
Use of recycled plastics for the extraction of allergenic proteins	Miriam Beneito Cambra