

José Manuel Marín (December, 2021)

Academic/professional activities

- 2001, BA, Chemistry, University Jaume I of Castellón, Spain
- 2010, Ph.D. Analytical Chemistry, University Jaume I of Castellon
- 2001, Technical personnel of the GLP-certified Laboratory of Pesticide Residue Analysis (LARP), Univ. Jaume I. LARP is the Reference Laboratory of the Spanish Ministry of Agriculture for GLP studies to establish pesticide MRLs.
- 2011, Study Director of the GLP-certified studies carried out in the Laboratory of Pesticide Residue Analysis (LARP), Univ. Jaume I

Publications

- 18 peer-reviewed articles in international Journals (ISI Web Science)
- 1 article classified as top/highly cited papers (ISI); 1 invited keynote/conferences in national workshop and congress; 12 communications in Workshop and Congresses.

Total citations 631. h-index = 12. Average citations per item: 33.21

Papers published in first quartile journals (Q1)

(data from ISI Web of Science; AU: marin jm* and AU=hernandez f*)

• 12 papers in the field of Analytical Chemistry

Trends Anal Chem– 1 article

J Chromatogr A– 3

Anal Bioanal Chem-4

J Am Soc Mass Spectrom-1

Rapid commun. Mass Spectrom.-2

J. Hazard. Mater - 1

• 1 papers in the field of Spectroscopy

J Mass Spectrometry– 1 article

Publications

“Direct determination of abamectin and azadirachtin residues in orange samples by liquid chromatography-electrospray tandem mass spectrometry”

J.V. Sancho, O.J. Pozo, F. Hernández, **Jose M. Marín**

Journal of Chromatography A, 992, 133-144 (2003)

“Evaluation of Different Quantitative Approaches for the Determination of Noneasily Ionizable Molecules by Different Atmospheric Pressure Interfaces Used in Liquid Chromatography Tandem Mass Spectrometry: Abamectin as Case of Study”

Susana Grimalt, Óscar.J. Pozo, **Jose M. Marín**, Juan V. Sancho, Félix Hernández

Journal of the American Society for Mass Spectrometry, 16, 1619-1630 (2005).

“Strategies for quantification and confirmation of multi-class polar pesticides and transformation products in water by LC-MS² using triple quadrupole and hybrid quadrupole time-of-flight analyzers”

Félix Hernández, Óscar J. Pozo, Juan V. Sancho, Francisco J. Lopez, **José M. Marín**, María Ibañez
TRAC Trends in Analytical Chemistry, 24, 596-612 (2005)

“An Ion-pairing liquid chromatography/tandem mass spectrometric method for the determination of theophylline residues in vegetables”

Jose M. Marín, Óscar.J. Pozo, Joaquín Beltrán, Félix Hernández

Rapid Communications in Mass Spectrometry, 20, 1-8 (2006)

“Quantification and confirmation of anionic, cationic and neutral pesticides and transformation products in water by on-line solid phase extraction-liquid chromatography-tandem mass spectrometry”

Jose M. Marín, Juan V. Sancho, Óscar.J. Pozo, Francisco J. López, Félix Hernández
Journal of Chromatography A, 1133, 204-214 (2006)

“Study of different atmospheric pressure interfaces for LC-MS/MS determination of acrylamide in water at sub-ppb levels”

Jose M. Marín, Óscar.J. Pozo, Juan V. Sancho, Elena Pitarch, Francisco J. López, Félix Hernández
Journal of Mass Spectrometry, 41, 1041-1048 (2006)

“Quantification and confirmation of priority organic micropollutants in water by LC-tandem mass spectrometry”

Elena Pitarch, **Jose M. Marín**, Francisco J. López, Elbert Hogendoorn, Félix Hernández
International Journal of Environmental Analytical Chemistry, 87, 237-248 (2007)

“Pesticide residues and transformation products in groundwater from a spanish agricultural region on the mediterranean coast”

Félix Hernández, **Jose M. Marín**, Óscar J. Pozo, Juan V. Sancho, Francisco J. López, Ignacio Morell
International Journal of Environmental Analytical Chemistry, 88, 409-424 (2008)

“Application of ultra-high-pressure liquid chromatography-tandem mass spectrometry to the determination of multi-class pesticides in environmental and wastewater samples. Study of matrix effects”

Jose M. Marín, Emma Gracia-Lor, Juan V. Sancho, Francisco J. López, Félix Hernández
Journal of Chromatography A, 1216, 1410-1420 (2009)

“Determination of sub-ppb epichlorohydrin levels in water by on-line solid phase extraction-liquid chromatography-tandem mass spectrometry”

Cristina Ripollés, **Jose M. Marín**, Francisco J. López, Juan V. Sancho, Félix Hernández
Rapid Communications in Mass Spectrometry, 23, 1841-1848 (2009)

“Simultaneous determination of triazines and their main transformation products in surface and urban wastewater by ultra-high-pressure liquid chromatography-tandem mass spectrometry”

Federica Benvenuto, **Jose M. Marín**, Juan V. Sancho, S. Cannobio, V. Mezzanotte, Félix Hernández
Analytical and Bioanalytical Chemistry, 397, 2791-2805 (2010)

“Analytical strategy based on the use of liquid chromatography and gas chromatography with triple quadrupole and time of flight MS analyzers for investigating organic contaminants in wastewater”

Elena Pitarch, Tania Portolés, **Jose M. Marín**, María Ibañez, Fernando Albarrán, Félix Hernández
Analytical and Bioanalytical Chemistry, 397, 2763-2776 (2010)

“Analytical study on ethephon residue determination in water by ion-pairing liquid chromatography/tandem mass spectrometry”

Cristina Ripollés, **Jose M. Marín**, Francisco J. López, Juan V. Sancho, Félix Hernández
International Journal of Environmental Analytical Chemistry, 91, 1380-1391 (2011)

“Multi-residue determination of pesticides in tropical fruits using liquid chromatography/tandem mass spectrometry”

Ana María Botero-Coy, **Jose M. Marín**, María Ibañez, Juan V. Sancho, Félix Hernández
Analytical and Bioanalytical Chemistry, 402, 2287-2300 (2012)

“Exploring matrix effects in liquid chromatography-tandem mass spectrometry determination of pesticides residues in tropical fruits”

A.M. Botero-Coy, **Jose M. Marín**, R. Serrano, J.V. Sancho, Félix Hernández
Revista Analytical and Bioanalytical Chemistry, 407 (2015) 3667-3681

“A simple and rapid analytical methodology based on liquid chromatography-tandem mass spectrometry for monitoring pesticide residues in soils from Argentina”

E. de Gerónimo, A.M. Botero-Coy, **Jose M. Marín**, V. C. Aparicio, J.L. Costa, J.V. Sancho, Félix Hernández

Revista Analytical Methods, 7 (2015) 9504-9512

“Determination of free amino acids in plants by liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS)”

M.M. Dziagwa-Becker., **Jose M. Marín**, J.K. Topolski, W.A. Oleszek

Revista Analytical Methods, 7 (2015) 7574-7581

“Ecological risk assessment of pesticides in the Mijares River (eastern Spain) impacted by citrus production using wide-scope screening and target quantitative analysis”

L. Bijlsma, E. Pitarch, F. Hernández, E. Fonseca, **Jose M. Marín**, M. Ibáñez, T. Portolés, A. Rico

Revista Journal of Hazardous Materials, 412 (2021) 125277

Main research projects (last five years)

“Desarrollo de estrategias analíticas, basadas en el uso de técnicas avanzadas de espectrometría de masas, en el campo de la salud pública”

Research Groups of Excellence, Prometeo/2009/054, PrometeoII/2014/023. Generalitat

Valenciana

2009-2017

Researcher

“ATTENAGUA (Interreg-SUDOE); Puesta a punto de una metodología capaz de prever los mejores emplazamientos para la explotación de las aguas subterráneas en el territorio SUDOE”

Universidad del País Vasco (UPV/EHU) con fondos FEDER - Universitat Jaume I (IUPA)

2013-2015.

Researcher

“Investigación de contaminantes orgánicos en las aguas subterráneas del entorno de la planta de tratamiento de residuos sólidos urbanos del término municipal de Onda”

Reciplasa S.A. – Universitat Jaume I (IUPA)

2010-2012.

Researcher

Awards

PhD Extraordinary Award 2009/2010, Universitat Jaume I

Main invited conferences

“Fase analítica de estudios de residuos de productos fitosanitarios”

XXI Jornadas de la Sociedad Española de Garantía de Calidad en Investigación, **Barcelona**, 14 de Noviembre de 2013

Other information

- Master's degree professor for four years in the University Jaume I.
- Teacher in GLP training courses intended for company staff of Recerca Agrícola Syntech Research S.L.
- Teacher in GLP training courses intended for company staff of Recerca Agrícola Syntech Research S.L.
- Supervisor of 1 PhD

- My current research is focused on the applications of hyphenated chromatography/mass spectrometry using LC-MS with triple quadrupole analyser in the fields of environment and food-safety. Investigation is directed towards different organic contaminants and residues, such as pesticides. Furthermore, several GLP studies are being carried out working as Study Director or Principal Investigator of the Analytical Phase.