Eduardo Beltran (February, 2015)

Academic/professional activities

- 2006, BA, Chemistry, University Jaume I, Spain
- 2008, Master in Applied Chromatographic Techniques, University Jaume I, University Rovira i Virgili and University of Girona.
- 2008-2014, Ph.D. Analytical Chemistry, University Jaume I, Castellón, Spain
- 2014, Postdoc Researcher, Center of Analytical Chemistry, IFA-Tulln. University of Natural Resources and Applied Life Sciences (BOKU), Vienna, Austria.
- 2015, Researcher, Research Institute for Pesticides and Water (IUPA), University Jaume I, Castellón, Spain.

Publications

- 11 peer-reviewed articles in international Journals (ISI Web Science)
- 1 article classified as top/highly cited papers (ISI) and 12 communications in Workshop and Congresses.

Total citations 127. h-index = 5. Average citations per item: 11.55

Papers published in first quartile journals (Q1)

- *4 papers in the field of Analytical Chemistry*
- *2 papers in the field of Food Science and Technology*
- *1 papers in the field of Marine and Freshwater Biology*

Most relevant publications (in the last years)

N-Acetylcysteine boosts xenobiotic detoxification in shellfish
R. Serrano, S. Peña-Llopis, **E. Beltrán**, M. Ibáñez, F. Hernández
Aquatic Toxicology, 154, 131-140 (2014)

Improvements in analytical methodology for the determination of frequently consumed illicit drugs in urban wastewater"
L. Bijlsma**, E. Beltrán**, C. Boix, J.V. Sancho, F.Hernández
Analytical and Bioanalytical Chemistry, 406, 4261-4272 (2014)

Determination of patulin in apple and derived products by UHPLC-MS/MS. Study of matrix effects with apmospheric pressure ionisation sources
E. Beltrán, M. Ibáñez, J.V. Sancho, F. Hernández
Food Chemistry, 142, 400-407 (2014)

Application of liquid chromatography/mass spectrometry in assessment of potential use of azadirachtins (treeazin™) against asian longhorned beetle
E. Beltrán, M.Ibáñez, E. Gracia-Lor, J. V. Sancho, F. Hernández, D. G. Thompson
Analytical Methods, 6, 8063 – 8071(2014)

Optimization and validation of a quantitavie liquid chromatography-tandem mass spectrometric method covering 295 bacterial and fungal metabolites including all regulated mycotoxins in four model food matrices
A Malachová, M. Sulyok, **E. Beltrán**, F. Berthiller, R. Krska
Journal of Chromatography A, 1362, 145-156 (2014)

Fungal and bacterial metabolites of stored maize (Zea mays, L.) from five agro-ecological zones of Nigeria

M. Adetunji, O. Atanda, C.N. Ezekiel, M. Sulyok, B. Warth, **E. Beltrán**, R. Krska, O Abadina, A. Bakare, C.A. Chilaka
Mycotoxin Resarch, 30, 89-102 (2014)

Faces of a Changing Climate: Semi-Quantitative Multi-Mycotoxin Analysis of Grain Grown in Exceptional Climatic Conditions in Norway
S.Uhlig, G. S. Eriksen, I. S. Hofgaard, R. Krska, **E. Beltrán**, M. Sulyok.
Toxins, 5, 1682-1697 (2013)

Development of sensitive and rapid analytical methodology for food analysis of 18 mycotoxins included in a total diet study
E. Beltrán, M. Ibáñez, T. Portolés, C. Ripollés, J.V. Sancho, V. Yusá, S. Marín, F. Hernández
Analytica Chimica Acta, 783, 39-48 (2013)

Determination of six microcystins and nodularin in surface and drinking waters by on-line solid phase extraction-ultra high pressure liquid chromatography tandem mass spectrometry
E. Beltrán, M. Ibáñez, J.V. Sancho, F. Hernández
Journal of Chromatography A, 1266, 61-68 (2012)

UHPLCMS/MS highly sensitive determination of aflatoxins, the aflatoxin metabolite M1 and ochratoxin A in baby food and milk.
E. Beltrán, M. Ibáñez, J. V. Sancho, M. Á. Cortés, V. Yusà, F.Hernández
Food Chemistry, 126: 737-744 (2011)

Main research projects (last five years)

Potencial de GC-TOF MS para la investigación de plaguicidas en muestras de vegetales y frutas
Universitat Jaume I-Fundació Caixa Castelló, Ref. P1 1B2010-23
2011-2013
Researcher

Desarrollo de metodologías analíticas avanzadas para la determinación de micotoxinas en alimentos infantiles y derivados de la manzana
Ayudas a la Investigación en Seguridad Alimentaria, Ref A-14/09, Dirección General de Salud Pública, Consellería de Sanidad, Generalitat Valenciana
2009.
Researcher

Other information

- Technician staff in the Good Laboratory Practices certified Laboratory of Pesticide Residue Analysis since 2011 (IUPA, University Jaume I).
- Peer-reviewer for journals including, among others, Food Chemistry, World Mycotoxin Journal. .
- Current research is focused on the applications of hyphenated chromatography/mass spectrometry LC-MS with a variety of mass analyzers (triple quadrupole, hybrid QTOF) in the fields of aquiculture, food-safety and toxicology. Investigation is directed towards different organic contaminants and hormones.

Languages

- English: B2 level
- Catalan: C2 level
- German: A1 level

Stays at other Research Centers

Institution	Center of Analytical Chemistry, IFA-Tulln. University of Natural Resources and Applied Life Sciences (BOKU), Vienna		
City/Country	Tulln an der Donau/ Austria	*Duration*	January – May 2012
Theme	Development of modern analytical methodologies for mycotoxins determination		