Fecha del CVA	29-01-2024

Part A. Personal Information

First and Family name	Maitane Olivares Zabalandikoetxea		
ID number	45663820-B	Age	41
Researcher numbers	Researcher ID	C-4044-2017	
	Orcid Code	orcid.org/0000-0001-7047-3055	
	SCOPUS Author (ID)	24537671100	

A.1. Current position

Name of University/Institution	University of the Basque Country (UPV/EHU)		
Department	Plentzia Marine Station – Dept. Analytical Chemistry, Faculty of Science and Technology		
Address and Country	Barrio Sarriena s/n		
Phone number	946015504	correo electrónico	maitane.olivares@ehu.eus
Current position	Assistant Professor	From	10-05-2017
UNESCO codes	2301, 2301.03, 2301.10		
Keywords	Analysis of organic micro-contaminants – Mass spectrometry- Environmental Analysis		

A.2. Education

Degree	University	Year
PhD, Chemical Sciences	Faculty of Science and Technology, UPV/EHU	July 2010
Master thesis in Environmental Contamination and Toxicology	Faculty of Science and Technology, UPV/EHU	September 2007
BsC with degree	Faculty of Science and Technology, UPV/EHU	November 2006
BsC in Chemical Sciences	Faculty of Science and Technology, UPV/EHU	June 2005

A.3. Quality indicators of the scientific production

- 2 research period of six years (last one in 2020)
- 5 PhD thesis were supervised between 2010-2023 and 3 more PhD ongoing
- B1-level Researcher (Unibasq. 2016)
- 80 publications (>67 Q1), > 1050 total citations, 98.09 ave. cit (2010-2020), and h-index: 20 (Web of Science de Thomson Reuters)

Part B. CV Summary

Maitane Olivares Zabalandikoetxea, PhD in Chemical Sciences (UPV/EHU, 2010), is assistant professor at the Department of Analytical Chemistry at the Faculty of Science and Technology of the UPV/EHU. I am member of the IBeA Research group, a high-performance research group of the UPV/EHU according to the Basque Government (2019-2021). Currently, my research activities focus on the analysis of organic micro-contaminants in environmental issues and ecotoxicological studies using passive sampling strategies, suspect screening approaches of contaminants in a wide broad of environmental samples and their transformation products and bioassays. Our research group works together with different research groups of the Basque Country, Spain and Europe, especially those carried out in the frameworks of the European Norman network and the European Marine Biological Research Centre (EMBRC). Together with my research group partners, I am involved in the Erasmus + in Marine Environment and Resources (MER) and the Environmental Contamination and Toxicology postgraduate programs. I am engaged in lecturing in Chemistry degree and I am the coordinator of Bachelor final projects in the degree of Chemistry since 2013. As a consequence of the academic and research works, I am co-author of more than 60 publications in international journals and I have been member of research team of more than 28 competitive research projects. I am also co-author of a textbook of chemist and I have participated in two

academic projects. Since 2010, I have supervised 5 PhDs, currently 3 more on-going, and more than 16 bachelor and master theses.

Part C. RELEVANT MERITS

C.1. Publications

[A1] M. Musatadi, C. Caballero, L. Mijangos, A. Prieto, M. Olivares, O. Zuloaga (**2022**) From target analysis to suspect and non-target screening of endocrine disrupting compounds in human urine, **Analytical and Bioanalytical Chemistry**, 414(23):6855-6869

[A2] N. Lopez-Herguedas, B. González-Gaya, A. Cano, I. Álvarez-Mora, L. Mijangos, N. Etxebarria, O. Zuloaga, M. Olivares, A. Prieto (**2022**) Effect-directed analysis of a hospital effluent sample using A-YES bioassay for the identification of endocrine disrupting compounds, **Science of the Total Environment** 850, 157985

[A3] N. Lopez-Herguedas, B. González-Gaya, N. Castelblanco-Boyacá, A. Rico, N. Etxebarria, M. Olivares, A. Prieto, O. Zuloaga. (**2022**) Characterization of the contamination fingerprint of wastewater treatment plant effluents in the Henares River Basin (central Spain) based on target and suspect screening analysis**, Science of the Total Environment**, 806: 151262.

[A4] B. González-Gaya, N. López-Herguedas, A. Santamaria, F. Mijangos, N. Etxebarria, M. Olivares, A. Prieto, O. Zuloaga. (**2021**) Suspect screening workflow comparison for the analysis of organic xenobiotics in environmental water samples**, Chemosphere**, 274: 129964.

[A5] Musatadi, M., González-Gaya, B., Irazola, M., Prieto, A., Etxebarria, N., Olivares, M., Zuloaga, O. (**2020**) Focused ultrasound-based extraction for target analysis and suspect screening of organic xenobiotics in fish muscle**, Science of the Total Environment**, 740: 139894.

[A6] Mijangos, L., Krauss, M., De Miguel, L., Ziarrusta, H., Olivares, M., Zuloaga, O., Izaguirre, U., Schulze, T., Werner, B., Prieto, A., Etxebarria, N. (**2020**) Application of the sea urchin embryo test in toxicity evaluation and effect directed analysis of wastewater treatment plant effluents**, Environmental Science & Technology**, 54(14): 8890-8899.

[A7] Blanco-Zubiaguirre, L., Zabaleta, I., Usobiaga, A., Prieto, A., Olivares, M., Zuloaga, O., Elizalde, M.P. (**2020**) Target and suspect screening of substances liable to migrate from food contact paper and cardboard materials using liquid chromatography-high resolution tandem mass spectrometry, **Talanta**, 208, 120394

[A8] Ziarrusta, H., Ribbenstedt, A., Mijangos, L., Picart-Armada S., Perera-Lluna A., Prieto A., Izagirre U., Benskin, J.P., Olivares, M., Zuloaga, O., Etxebarria, N. (**2019**) Amitriptyline at an environmentally relevant concentration alters the profile of metabolites beyond monoamine in gilt-head bream**, Environmental Toxicology and Chemistry**, 965: 1552-8618.

[A10] Ziarrusta, H., Mijangos, L., Irazola, M., Prieto, A., Etxebarria, N., Anakabe, E., Olivares, M., Zuloaga, O. (**2018**) Ciprofloxacin by-products in seawater environment in the presence and absence of gilt-head bream, **Chemosphere**, 197: 560-568.

C.2. Research projects

[1] "Desde los medios acuáticos hasta la evaluación de la exposición humana a través de estrategias analíticas de alto rendimiento" (ref: PID2020-117686RB-C31)
Convocatoria 2020 Ministerio de Ciencia e Innovación
01/09/2021 - 31/08/2025 217800 euros
IP: Nestor Etxebarria y Olatz Zuloaga

[2] Emergencia y diseminación de resistencias a los antibióticos: vínculos entre salud humana, ganadería, alimentación y medioambiente (KONTRAE) (ref. Elkartek 20/88).
Programa ELKARTEK 2020, Gobierno Vasco
27/02/2020 – 31/12/2021 82843 euros
IP: Ailette Prieto y Carlos Garbisu

[3] "Desarrollo de un sistema sostenible para la cría en cautividad de múgilidos; viabilidad técnica (II)" (ref. 00007-INA2019-33).
Programa ELKARTEK 2020, Gobierno Vasco
01/01/2019 – 31/12/2019 73907 euros
IP: Alberto de Diego y Manu Soto

[4] "Evaluación del riesgo de aparición y diseminación de resistencias a antibióticos en productos vegetales frescos de la Comunidad Autónoma del País Vasco (ref: PA 21/05)
Programa ELKARTEK 2020, Gobierno Vasco
01/01/2021 – 31/12/2022 22000 euros
IP: Ailette Prieto y Maitane Olivares

[5] IBeA en medio ambiente físico, urbano construido, recursos naturales y salud (Grupos Consolidados Tipo A) (ref. IT-1213-19)
Gobierno Vasco
01/01/2019 – 31/12/2021 493500 euros
IP: Juan Manuel Madariaga Mota

[6] "Red de observatorios de ecosistemas sensibles (lagos, turberas) al cambio climático en el Pirineo" (ref. **REPLIM, EFA056/15**)
Comunidad Europea, Programa Interreg VA España-Francia-Andorra (POCTEFA) 2014-2020
01/07/2016 - 30/06/2019 111 634.84 euros (Basque partner)
IP: Blas Valero; Alberto de Diego (Basque partner IP)

[7] "Evaluación del exposoma por la presencia de contaminantes emergentes en medios acuáticos" Ref: **CTM2017-84763-C3-1-R. MINECO 2017**
Duración: 2018-2021 145.200 euros
IP: Olatz Zuloaga & Nestor Etxebarria (PiE-UPV/EHU)

[8] "New metodologies to assess the impact of emerging contaminants in marine ecosystems and food consumption" (EMERCONFO), Ref: **CTM2014-55270-R**
MINECOR
Duración: 01/01/2015 – 31/12/2017 111000 euros
IP: Nestor Etxebarria Loizate/CoIP:Olatz Zuloaga Zubieta

[9] "Exposición humana a contaminantes orgánicos emergentes via cultivos en suelos enriquecidos con fangos/compost de depuradoras (EXOPCROP)" (Ref: **CTM2011-24094)**
MICINN
01/01/2012 - 31/12/2014 106480 euros
IP: Luis Angel Fernández Cuadrado

C.3. Contracts
[1] Detección y tratamiento de contaminantes emergentes, bacterias y genes resistentes a antibióticos y ensayos de toxicidad ambiental y humana en aguas de abastecimiento de Bizkaia. Consorcio de Aguas de Bizkaia
Duration: 01/07/2020-31/09/2022 Funding: 112143 euros
PI: Nestor etxebarria
[2] "Convenio de colaboración entre el Ayuntamiento de Getxo y la UPV/EHU para la Puesta en valor del inmueble histórico cultural Galerías de Punta Begoña 2016 – 2018" (ref: 2016.0736). Convenio Colaboración Ayuntamiento de Getxo (Bizkaia)
Duration: 01/01/2016-31/12/2018 Funding: 717094.14 euros
PI: Juan Manuel Madariaga Mota

[3] "Aproximación analítica para medir 1-pireno, 1-OH-pireno y fenil-1-O-glucuronido en muestras biológicas" (ref: 2016.0708). Biología y Bioquímica Molecular, UPV/EHU
Duration: 19/12/2016 - 19/01/2017 Funding: 3025 euros
PI: Olatz Zuloaga Zubieta
[4] " Convenio de colaboración entre el Ayuntamiento de Getxo y la UPV/EHU para la Puesta en valor del inmueble histórico cultural Galerías de Punto Begoña" (ref. 2014.0639). Convenio Colaboración Ayuntamiento de Getxo (Bizkaia)
Entidades participantes: UPV/EHU
Duration: 10/03/2014 - 10/03/2016 Funding: 937119.95 euros
PI: Juan Manuel Madariaga Mota

C.4. Patents

C.5. Academic activities

- Master Thesis Projects Supervision: 10 (Master Thesis, UPV/EHU, since 2011)
- Bachellor Project Supervision: 15 (UPV/EHU, since 2015)
- On going PhD Thesis: 3
- Coordinator of the 4th course and Bachelor Projects of the Grade in Chemistry since 2013.
- Member of Academic Comission of the Grade in Chemistry since 2013, Member of a coordinated academic teaching group in the department of Analytical Chemistry since 2019 and member of permanent comission of Analytical Chemistry department since 2020.

C.6. Stages in international sites

- Department of Food Science Quality & Technology, Faculty of Life Sciences, University of Copenhagen (Denmark). *Multivariate Data Analysis using MatLAB*, May 2012 (2 weeks)
- Department of Analytical Chemistry (ACES) (Stockholm, Sweden). *Hyphenated mass spectrometry: metabolite assessment using UHPLC-OrbitrapMS,* Oct – Dec 2016 (9 weeks)

C.7. Other activities

- Co-autor of 1 textbook and co-autor of 8 book chapters of academic and research disemination.
- Publications to international conferences: 69
- Member of organizing committee of a International Research Conference: (1) "Non-destructive and microanalytical techniques in art and cultural heritage, Technart 2017". May 2017; (2) "International Symposium on Metal Complexes, ISMEC 2010". June 2010. Bilbao; (3) "Raman Art and Archaeology, RAA 2009". September 2009. Bilbao
- International Research Conference – Session Chair - "Colloquium Spectroscopicum Internationale XXXIX. September 2015. Figueira da Foz, Coimbra (Portugal)
- Referee since 2008 in Anal. Chim. Acta, J. Chromatogr. A, Anal Bional Chem.,Talanta, Sci. Tot. Environ., J. Archaeol. Sci., J. Raman Spec., J. Food Sci. Tech.