



CURRICULUM VITAE (CVA)

IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.

Part A. PERSONAL INFORMATION

CV date 05/09/2023

First name	Ailette		
Family name	Prieto Sobrino		
Gender (*)	Female	Date of Birth (dd/mm/yyyy)	13/10/1975
Social Security, Passport, ID number			
e-mail	ailette.prieto@ehu.eus	URL Web	
Open Researcher and Contributor ID (ORCID) (*)	http://orcid.org/0000-0002-4660-7188		

(*) Mandatory

A.1. Current position

Position	Permanent Research		
Initial date	22/03/2013		
Institution	University of the Basque Country (UPV/EHU)		
Department/Centre	Analytical Chemistry	Faculty of Science and Technology, PIE-UPV/EHU	
Country	Spain	Phone number	94 601 2439
Keywords	Organic compounds; environmental and food samples; target and non-target analysis; chromatography and mass spectrometry; effect directed analysis		

A.2. Previous positions (research activity interruptions)

Period	Position/Institution/Country/Cause of the interruption
11/2008-12/2009	Investigador Contratado Doctor; Dpto. Qca. Analítica, Facultad de Ciencia y Tecnología, UPV/EHU
01/2009-12/2009	Profesor Laboral Interino; Dpto. Ing. Qca. Y Medio Amb., Escuela Universitaria de Ingeniería Técnica Industrial (EUITI-Eibar), UPV/EHU
01/2010-01/2012	Investigador Post-doctoral; Dpto. Química Analítica, Helmholtz Centre for Environmental Research, Leipzig, Alemania
01/2012-03/2013	Investigador Post-doctoral; Dpto. Química Analítica, Facultad de Ciencia y Tecnología, UPV/EHU e Ikerbasque

A.3. Education

PhD, Graduate Degree	University/Country	Year
Licenciada en Química	Universidad de la Habana, Cuba	30/07/1998
Licenciada en Química (Homologación)	Ministerio Español de Educación y Ciencia	30/05/2005
Doctora Europeus en Ciencias Químicas	Universidad del País Vasco (UPV/EHU)	24/10/2008



Part B. CV SUMMARY (max. 5,000 characters, including spaces)

2 six-year research (2007-2012/2013-2018, UNIBASQ). H-index: 31 (Scopus); UPV/EHU Permanent Research in the Analytical Chemistry Department and in the IBeA CRG "A" research group. Europeans PhD in Chemical Sciences (UPV/EHU, 2008). Her research topics have focused on the environmental analysis of organic compounds in soils, sediments, biota, biofluids and a variety of water matrices. During her PhD she stayed at the University of Lancaster (UK) under the supervision of Dr. Kevin Jones, and after her PhD she worked two years at the Helmholtz Centre for Environmental Research-UFZ in Leipzig (Germany) with a Post-Doctoral fellowship from the Basque Country, where she collaborated in different projects subsidized by the Spanish and German Governments. At the moment, she is focused on the analysis of emerging compounds, suspect screening and effect-directed analysis of a variety of environmental samples. She is involved in the development of a metabolomic platform to integrate different omic approaches in ecotoxicological issues at the PiE-UPV/EHU. She has published more than 90 research papers in international journals, supervised 4 finished PhDs, all of them International Thesis. She is now co-supervising other 4 PhD thesis within the Masters on Marine Environment and Resources and Environmental Contamination and Toxicology. She has participated in more than 20 research projects funded by the University of the Basque Country, the Basque Government, Spanish Ministries of Education and Science, and EU, and she has been main researcher in three projects, two of them currently in force.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

N. Lopez-Herguedas, M. Irazola, I. Alvarez-Mora, G. Orive, U. Lertxundi, M. Olivares, O. Zuloaga, A. Prieto. Comprehensive micropollutants characterization of wastewater during Covid-19 crisis in 2020: Suspect screening and environmental risk prioritization strategy. *Science of The Total Environment* (2023) 873, 162281

N. Lopez-Herguedas, L. Mijangos, I. Alvarez-Mora, B. González-Gaya, T. Uribe-Echeverria, N. Etxebarria, O. Zuloaga, M. Olivares, A. Prieto. Suspect Screening of Chemicals in Hospital Wastewaters Using Effect-Directed Analysis Approach as Prioritization Strategy. *Molecules* (2023) 28,1212 - 1227

I. Vergara-Luis, J.C. Báez-Millán, I. Baciero, B. González-Gaya, M. Olivares, O. Zuloaga, A. Prieto. Comparison of conventional and dispersive solid phase extraction clean-up approaches for the simultaneous analysis of tetracyclines and sulfonamides in a variety of fresh vegetables. *Talanta* (2022) 254, 124192

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

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

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

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

Zabaleta, I., Blanco-Zubiaguirre, L., Baharli, E.N., Olivares, M., Prieto, A., Zuloaga, O., Elizalde, M.P. Occurrence of per- and polyfluorinated compounds in paper and board packaging materials and migration to food simulants and foodstuffs, *Food Chemistry* (2020) 321, 126746



M. Rosende, A. Prieto, N. Etxebarria, G. Martorell, M. Miró. Automatic Mesofluidic System Combining Dynamic Gastrointestinal Bioaccessibility with Lab-on-Valve-Based Sorptive Microextraction for Risk Exposure of Organic Emerging Contaminants in Filter-Feeding Organisms. *Analytical Chemistry* (2019) 91(9), 5739-5746.

Mijangos, L., Ziarrusta, H., Olivares, M., Zuloaga, O., Möder, M., Etxebarria, N., Prieto, A. Simultaneous determination of 41 multiclass organic pollutants in environmental waters by means of polyethersulfone microextraction followed by liquid chromatography–tandem mass spectrometry. *Analytical and Bioanalytical Chemistry* (2018) 410, 615-632.

C.2. Conferences

SETAC 2022. Naroa Lopez-Herguedas, Iker Álvarez-Mora, Dennis Bilbao, Leire Mijangos, Mireia Irazola, Maitane Olivares, Nestor Etxebarria, Ailette Prieto, Olatz Zuloaga. **Poster corner presentation.** 15-19 May 2022.

SETAC 2022. I. Vergara, I. Baciero, B. Gonzalez-Gaya, O. Gonzalez, N. Etxebarria, M. Olivares, O. Zuloaga, A. Prieto. Copenhagen (Denmark). **Poster corner presentation.** 15-19 May 2022.

SETAC 2019. B. González-Gaya, L. Mijangos, M. Olivares, A. Prieto, O. Zuloaga, N. Etxebarria. Effect-directed analysis of contaminants of emerging concern in hospital effluents. **Poster, CCI.** Helsinki (Finland). 26-30 May 2019.

SETAC 2019. B. González-Gaya, M. Musatadi-Larrucea, M. Olivares, A. Prieto, O. Zuloaga, N. Etxebarria. Non-targeted analysis of xenobiotics in fish muscle. **Poster, CCI.** Helsinki (Finland). 26-30 May 2019.

SETAC 2019. B. González-Gaya, A. Santamaría, I. Astigarraga, M. Olivares, A. Prieto, O. Zuloaga, N. Etxebarria. The evaluation and selection of techniques for non-directed analysis of xenobiotics in water using LC-HR-Orbitrap/MS. **Poster, CCI.** Helsinki (Finland). 26-30 May 2019.

40th International Conference on Environmental & Food Monitoring (ISEAC-40). H. Ziarrusta, L. Mijangos, A. Ribbenstedt, S. Picart-Armada, U. Izagirre, A. Prieto, J.P. Benskin, N. Etxebarria, M. Olivares, O. Zuloaga. Non-targeted metabolomics reveals alterations in gilt-head bream exposed to amitriptyline. **Oral, CCI.** Santiago de Compostela. 19-22 Jun 2018.

40th International Conference on Environmental & Food Monitoring (ISEAC-40). D. Bilbao, L. de Miguel, J. Aguirre-Rubi, U. Izagirre, D. Benito, X. Lekube, I. Marigomez, A. Prieto, N. Etxebarria. Bioaccumulation of PAH in mussels exposed to water accommodated fraction (WAF) of oil at different conditions. **Poster, CCI.** Santiago de Compostela. 19-22 Jun 2018.

C.3. Research projects

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). Entidad financiadora: Proyectos de investigación focalizada a la agricultura, Gobierno Vasco. Duración, desde: 2022, hasta: 2023. Cuantía de la subvención: 27000 euros. IPs: Ailette Prieto y Maitane Olivares.

Estrategias para minimizar la transferencia de contaminación portuaria producida a través de las aguas de lastre. Diagnóstico de tres puertos españoles. Entidad financiadora: MINECO (TED2021-130994B-C33). Duración, desde: 2023, hasta: 2024. Cuantía de la subvención: 127.750,00. IP: Sergio Seane y Manuel Soto.

Desde los medios acuáticos hasta la evaluación de la exposición humana a través de estrategias analíticas de alto rendimiento (ref: PID2020-117686RB-C31). Entidad financiadora: Convocatoria 2020 Proyectos de I+D+i - RTI Tipo Coord, Ministerio de Ciencia e Innovación. Duración, desde: 2021, hasta: 2025. Cuantía de la subvención: 217800 euros. IPs: Nestor Etxebarria Loizate y Olatz Zuloaga Zubieta



IBeA en medio ambiente físico, urbano construido, recursos naturales y salud (Grupos Consolidados Tipo A) (ref. IT-1446-22). Entidad financiadora: Gobierno Vasco. Duración, desde: 2022, hasta: 2025. Cuantía de la subvención: 633150 euros. IP: Juan Manuel Madariaga Mota

Development of methodological tools for assessment of the impact and risk of antibiotic resistance in the environment". Convocatoria Proyectos Colaborativos UPV/EHU (2019). COLAB19/08. Entidad financiadora: UPV/EHU. Duración, desde: 2020, hasta: 2021. 36.000 euros. IP: Itziar Alkorta

EMERGENCIA Y DISEMINACIÓN DE RESISTENCIAS A LOS ANTIBIÓTICOS: VÍNCULOS ENTRE SALUD HUMANA, GANADERÍA, ALIMENTACIÓN Y MEDIOAMBIENTE (KONTRAE)". Entidad financiadora: UPV/EHU-Convocatoria ELKARTEK (2020) KK-2020/00007. Duración, desde: 2020, hasta: 2022. 82843 euros. IP: Ailette Prieto Sobrino

Joint Research Laboratory on ENVIRONMENTAL ANTIBIOTIC RESISTANCE. Duración, desde: 01/10/2018 hasta: 31/12/2018. Cuantía de la subvención: 20.000 euros. IP: AILETTE PRIETO

EVALUACION DEL EXPOSOMA POR LA PRESENCIA DE CONTAMINANTES EMERGENTES EN MEDIOS ACUATICOS. Entidad financiadora: MINECO (CTM2017-84763-C3-1-R). Duración, desde: 01/01/2018 hasta: 31/12/2020. Cuantía de la subvención: 120.000 euros. IP: NESTOR ETXEBARRIA/OLATZ ZULOAGA

METODOLOGIAS NOVEDOSAS PARA EVALUAR EL IMPACTO DE LOS CONTAMINANTES EMERGENTES EN LOS ECOSISTEMAS MARINOS Y EL CONSUMO DE ALIMENTOS. Entidad financiadora: MINECO (CTM2014-56628-C3-1-R). Duración, desde: 01/01/2015 hasta: 31/12/2017. Cuantía de la subvención: 140.000 euros. IP: NESTOR ETXEBARRIA/OLATZ ZULOAGA