

Personal Information

DATE	1-7-2019
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Surnames	Laza Martínez
Forename	Aitor
Age	39
Researcher ID	I-6639-2015
Open Researcher and Contributor ID (ORCID)	orcid.org/0000-0001-8311-2603

Professional Situation Now

Post/ Professional Category	PDI (Personal Docente e Investigador) (Part-time lecturer / Reserch Staff)	
UNESCO Code	2417	
Key Words	Microalgae; Harmful Algal Blooms; estuaries	
Name of Institution	Universidad del País Vasco/Euskal Herriko Unibertsitatea (UPV/EHU)	
	Department/Center	- Plant Biology and Ecology - Ctr Exper. Mar. Biol. Biotech. (PiE-UPV/EHU)
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Academic Preparation

2002 July	UPV/EHU	Licenciatura (BSc)	BSc in Biology
2004 February	UPV/EHU	University Master	M. en Tecnología y Gestión Ambiental
2005 December	UPV/EHU	Diploma de Estudios Avanzados	Programa Doctorado Gestión Ambiental y Calidad de Vida
2009 May	UPV/EHU	PhD	Doctor in Biology

Indicators of Quality in Scientific Production

Supervised PhDs: 1
Total N. citations (WoS): total 467
N. publications in Q1 (WoS): 9 (out of 32)
H index (WoS): 13

Accomplishments

Publications: 32 in international journals
Congress communications: over 60
Open call projects (colaborator): 10

Publications

Muñiz O., Revilla M., Rodríguez J.G., Laza-Martínez A. and Fontán A. 2019. Annual cycle of phytoplankton community through the water column: study applied to the implementation of bivalve offshore aquaculture in the southeastern Bay of Biscay. *Oceanologia*, 61:114-130.

Laza-Martínez, A., Fernández-Marín, B., Ignacio García-Plazaola, J.I. 2019. Rapid colour changes in *Euglena sanguinea* (Euglenophyceae) caused by internal lipid globule migration. *European Journal of Phycology*, 54: 91-101.

Zieger, S.E., Sergio Seoane, Aitor Laza-Martínez, Anna Knaus, Günter Mistlberger and Ingo Klimant. 2018. Spectral characterization of eight marine phytoplankton classes and assessing a pigment based taxonomic discrimination analysis for the in-situ classification of phytoplankton blooms. *Environmental Science & Technology*, 52(24):14266-14274.

- Muñiz, O., J German Rodríguez, Marta Revilla, Aitor Laza-Martínez, Sergio Seoane, Javier Franco. 2018. Seasonal variations of phytoplankton community in relation to environmental factors in an oligotrophic area of the European Atlantic coast (southeastern Bay of Biscay). *Regional Studies in Marine Science*, 17: 59-72.
- David, H., Aitor Laza-Martínez, Jacco C. Kromkamp, Emma Orive. 2018. Physiological response of *Prorocentrum lima* (Dinophyceae) to varying light intensities. *FEMS Microbiology Ecology*, 94: 1-12.
- Muñiz, O., Marta Revilla, José Germán Rodríguez, Aitor Laza-Martínez, Sergio Seoane, Javier Franco, Emma Orive. 2017. Evaluation of phytoplankton quality and toxicity risk based on a long-term time series previous to the implementation of a bivalve farm (Basque coast as a case study). *Regional Studies in Marine Science*, 10:10-19.
- Johnson, M.D., David J. Beaudoin, Aitor Laza-Martínez, Sonya Dyhrman, Elizabeth Fensin, Senjie Lin, Aaron Merculief, Satoshi Nagai, Mayza Pompeu, Outi Setälä and Diane K. Stoecker. 2016. The Genetic Diversity of *Mesodinium* and Associated Cryptophytes. *Frontiers in Microbiology*, vol. 7 doi: 10.3389/fmicb.2016.02017.
- Hevia-Orube, J., Emma Orive, Helena David, Aitor Laza-Martínez & Sergio Seoane. 2016. *Skeletonema* species in a temperate estuary: a morphological, molecular and physiological approach, *Diatom Research*, 31:185-197.
- Abad, D., Aitor Albaina; Mikel Aguirre; Aitor Laza-Martínez; Ibon Uriarte; Arantza Iriarte; Fernando Villate; Andone Estonba. 2016. Is metabarcoding suitable for estuarine plankton monitoring? A comparative study with microscopy. *Marine Biology*, 163: article 149.
- Cajaraville, M. P., Orive, E., Villate, F., Laza-Martínez, A., Uriarte, I., Garmendia, L., Ortiz-Zarragoitia, M., Seoane, S., Iriarte, A., Marigomez, I. 2016. Health status of the Bilbao estuary: A review of data from a multidisciplinary approach. *Estuarine, Coastal and Shelf Science*, 179:124-134.
- Hevia-Orube, J., Orive, E., David, H., Díez, A., Laza-Martínez, A., Miguel, I., and Seoane, S. 2016. Molecular and Morphological Analyses of Solitary Forms of Brackish Thalassiosiroid Diatoms (Coscinodiscophyceae), With Emphasis on their Phenotypic Plasticity. *European Journal of Phycology*, 51:11-30.
- Laza-Martínez, A., David, H., Riobó, P., Miguel, I. & Orive, E. 2015. Characterization of a Strain of *Fukuyoa paulensis* (Dinophyceae) from the Western Mediterranean Sea. *Journal of Eukaryotic Microbiology*, 63: 481-497.
- Rial, P., Laza-Martínez, A., Reguera, B., Raho, N., Rodríguez, F. 2015. Origin of cryptophyte plastids in *Dinophysis* from Galician waters: results from field and culture experiments. *Aquatic Microbial Ecology*, 76:163-174.
- Alonso-González, A., Orive, E., David, H., García-Etxebarria, K., Garrido, J. L., Laza-Martínez, A., and Seoane, S. 2014. Scaly green flagellates from Spanish Atlantic coastal waters: molecular, ultrastructural and pigment analyses. *Botanica Marina*, 57: 379–402.
- Aylagas, E., Iratxe Menchaca, Aitor Laza-Martínez, Sergio Seoane, Javier Franco. 2014. Evaluation of marine phytoplankton toxicity by application of marine invertebrate bioassays. *Scientia Marina*, 78:173-183.
- David, L., Laza-Martínez, A., García-Etxebarria, K., Riobó, P., Orive, E. Characterization of *Prorocentrum elegans* and *P. levis* (Dinophyceae) from the southeastern Bay of Biscay by morphology and molecular phylogeny. *Journal of Phycology*, 50, 718–726.
- David, L., Laza-Martínez, A., Miguel, I. Orive, E. 2014. Broad distribution of *Coolia monotis* and restricted distribution of *Coolia* cf. *canariensis* (Dinophyceae) in the Atlantic coast of the Iberian Peninsula. *Phycologia*, 53: 342–352.
- David, L., Laza-Martínez, A., Miguel, I. Orive, E. 2013. *Ostreopsis* cf. *siamensis* and *Ostreopsis* cf. *ovata* from the Atlantic Iberian Peninsula: Morphological and phylogenetic characterization. *Harmful Algae* 30: 44-55.
- Orive, E., Pérez-Aicua, L., David, L., García-Etxebarria, K., Laza-Martínez, A., Seoane, S., Miguel, I. 2013. The genus *Pseudo-nitzschia* (Bacillariophyceae) in a temperate estuary with description of two new species: *Pseudo-nitzschia plurisecta* sp. nov. and *Pseudo-nitzschia abrensis* sp. nov. *Journal of Phycology*, 49: 1192-1206.
- Wakahama, T., Laza-Martínez, A., Bin Haji Mohd Taha, A.I., Okuyama, H., Yoshida, K., Kogame, K., Awai, K., Kawachi, M., Maoka, T., Takaichi, S. 2012. Structural confirmation of a unique carotenoid lactoside, P457, in *Symbiodinium* sp. strain NBRC104787 isolated from a sea anemone and its distribution in dinoflagellates and various marine organisms. *Journal of Phycology*, 48: 1392-1402.
- David, H., Ganzedo, U., Laza-Martínez, A., Orive, E. 2012. Relationships between the presence of *Ostreopsis* (Dinophyceae) in the Atlantic coast of the Iberian Peninsula and sea-surface temperature. *Cryptogamie-Algologie*, 33: 199-207.
- Laza-Martínez, A. 2012. *Urgorri complanatus* gen. et sp. nov., a red-tide-forming species in brackish waters. *J. Phycol.* 48: 423-435.

Laza-Martínez, A., Arluzea, I., Miguel, I., Orive, E. 2012. Morphological and molecular characterization of *Teleaulax gracilis* sp. nov. and *T. minuta* sp. nov. (Cryptophyceae). *Phycologia*, 51:0649-661.

Garmendia, M., Revilla, M., Bald, J., Franco, J., Laza-Martínez, A., Orive, E., Seoane, S., Valencia, V., Borja, A. (2011) Phytoplankton communities and biomass size structure (fractionated chlorophyll "a"), along trophic gradients of the Basque coast (northern Spain). *Biogeochemistry*, 106: 243-263.

Laza-Martínez, A., Orive, E., Miguel, I. (2011). Morphological and genetic characterization of benthic dinoflagellates of the genera *Coolia*, *Ostreopsis* and *Prorocentrum* from the south-eastern Bay of Biscay. *European Journal of Phycology*, 46: 45-65.

Orive, E., Laza-Martínez, A., Seoane, S., Alonso, A., Andrade, R. (2010). Diversity of *Pseudo-nitzschia* in the southeastern Bay of Biscay. *Diatom Research*, 25: 125-145.

Martínez, R., Orive, E., Laza-Martínez, A., Seoane, S. (2010). Growth response of six strains of *Heterosigma akashiwo* to varying temperature, salinity and irradiance conditions. *Journal of Plankton Research*, 32: 529-538.

Revilla, M., Franco, J., Bald, J., Borja, A., Laza, A., Seoane, S., Valencia, V. (2009) Assessment of the phytoplankton ecological status in the Basque coast (northern Spain) according to the European Water Framework Directive. *Journal of Sea Research*, 61: 60-67.

de Salas, M.F., Laza-Martínez, A., Hallegraeff, G.M. (2008) Novel unarmored dinoflagellates from the toxigenic family Kareniaceae (Gymnodiniales): five new species of *Karlodinium* and *Takayama* from the australian sector of Southern Ocean. *Journal of Phycology* 44: 241-257.

Laza-Martínez, A., Seoane, S., Zapata, M., Orive, E. (2007) Phytoplankton pigment patterns in a temperate estuary: from unialgal cultures to natural assemblages. *Journal of Plankton Research* 29: 913-929.

Seoane, S., Laza, A., Orive, E. (2006) Monitoring phytoplankton assemblages in estuarine waters: The application of pigment analysis and microscopy to size-fractionated samples. *Estuarine, Coastal and Shelf Science* 67: 343-354.

Seoane, S., Laza, A., Urrutxurtu, I., Orive, E. (2005) Phytoplankton assemblages and their dominant pigments in the Nervion River estuary. *Hydrobiologia* 549: 1-13.

Open Call Projects

Project Title: Fitoplancton de estuarios y aguas costeras

Funding entity: UPV/EHU

Funding: 16.000 €

Duration,: January 2017 – December 2018

Researcher in charge: Dr. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

My type of participation: researcher

Project Title: Protección de la Salud de los Ecosistemas

Funding entity: Unidades de Formación e Investigación UPV/EHU (UFI11/37)

Funding: 74.200 €

Duration,: Noviembre 2011 – December 2016

Researcher in charge: Miren Pilare Cajaraville Bereciartua

My type of participation: researcher

Project Title: Ecología del fitoplancton de estuarios y aguas costeras (Grupos consolidados IT699-13)

Funding entity: Gobierno Vasco. Grupos Consolidados

Funding: 40.000 €

Duration,: Enero 2013 – Enero 2016

Researcher in charge: Dr. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

My type of participation: researcher

Participantes: 5

Project Title: Diversidad morfológica genética y pigmentaria del género *Pseudo-nitzschia* (Bacillariophyceae) en el sudeste del Golfo de Vizcaya (ref.: CGL2010-19016)

Funding: 45980 €

Funding entity: Ministerio de Ciencia e Innovación (MICINN)

My type of participation: researcher
Duration, from: 1/1/2011 to: 31/12/2013
Researcher in charge: Dr. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Project Title: Ecología del fitoplancton de estuarios y aguas costeras.(IT481-10)
Funding entity: Gobierno Vasco. Grupos Consolidados (IT481-10)
Funding: 44.000 €
My type of participation: researcher
Duration, from: enero 2010 to: diciembre 2012
Researcher in charge: Dr. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Project Title:: Diversidad taxonómica y pigmentaria de las algas verdes en el fitoplancton de un área estuárico-costera. (CTM2006-04570/MAR)
Funding: 53000 €
Funding entity: Ministerio de Educación y Ciencia
My type of participation: researcher
Duration, from: enero2006 to: diciembre 2009
Researcher in charge: Dr. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Project Title: k- egokitzen I. Cambio climático: impacto y adaptación (fitoplancton)
Funding entity: Gobierno Vasco
Funding: 115.000 €
My type of participation: researcher
Duration, from: enero 2007 to: diciembre 2009
Researcher in charge: Dr. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Project Title: Estructura de las comunidades naturales de fitoplancton, respuesta de especies formadoras de blooms a diferentes condiciones físicas y evaluación de la producción y respiración del microplancton en medios estuárico-costeros. (9/UPV 00118.310-15339/2003)
Funding: 42500 €
Funding entity: UPV/EHU
My type of participation: researcher
Duration, from: 13/9/2003 to: 13/9/2006
Researcher in charge: Dra. Emma Orive; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Contracts

Title: Análisis taxonómico de comunidades de fitoplancton de zonas costeras y estuáricas
Entity: AZTI-Teknalia
Date of start and end: 18-05-2017 to 30-11-2018
Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU
Funding: 64.597,99 €

Title: Análisis del Fitoplancton del estuario del Nervión y zona costera próxima a las EDAR de Gorliz, Bakio, Lekeitio y Ondarroa (Campaña 2015)
Entity: AZTI-Teknalia
Date of start and end: 14-01-2015 to 30-4-2016
Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU
Funding: 10.227,06 €

Title: Análisis de Fitoplancton en los estuarios y en la zona costera del País Vasco durante el 2015
Entity: AZTI-Teknalia
Date of start and end: 12-6-2015 to 31-3-2016
Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU
Funding: 21.699,60 €

Title: Análisis del fitoplancton en muestras tomadas en la zona de Mendexa entre noviembre de 2014 y junio de 2015

Entity: AZTI-Teknalia

Date of start and end: 1-7-2015 to 15-12-2015

Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Funding: 4.144,35 €

Title: Análisis del Fitoplancton del estuario del Nervión y zona costera próxima a las EDAR de Gorliz, Bakio, Lekeitio y Ondarroa

Entity: AZTI-Teknalia

Date of start and end: 13-6-2014 to 30-4-2015

Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Funding: 8.693,92 €

Title: Análisis de Fitoplancton en los estuarios y en la zona costera del País Vasco durante el 2014

Entity: AZTI-Teknalia

Date of start and end: 13-6-2014 to 31-3-2015

Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Funding: 18.444,66 €

Title: Análisis del fitoplancton en muestras tomadas en la zona de Mendexa entre mayo y octubre de 2014

Entity: AZTI-Teknalia

Date of start and end: 30-10-2014 to 31-12-2014

Principal investigator: Aitor Laza Martínez; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU

Funding: 3.540,81 €

Title: Estudio taxonómico del fitoplancton y microfitobentos en suspensión en las playas de La Arena, Baquio, Laga e Insuntza, con especial referencia a las especies potencialmente nocivas

Entity: Diputación Foral de Bizkaia

Date of start and end: 6 campañas; una campaña por año (2007-2012)

Principal investigator: Emma Orive Aguirre; Dep. Biol. Veg. y Ecol., Fac. Ciencias, UPV/EHU