



SHORTENED CURRICULUM VITAE STANDARDIZED SHEET

Date: 2025/01/27

A. PERSONAL DATA

Family Name and Name	De Guzman Martinez, Miren Ioar	
Phone number: +34 946015939	E-mail: mirenioar.deguzman@ehu.eus	
Researcher numbers	Researcher ID	57203415624 (Scopus)
	Orcid code	0000-0001-8894-8477

A.1. Current profesional situation

Name of University/Institution	University of the Basque Country		
Faculty/School/Institute	Science and Technology		
Dpt./Centre	Plant Biology and Ecology		
Address and Country	Barrio Sarriena s/n, 48940 Leioa, Spain		
Type of contract	Full-time	<input checked="" type="checkbox"/>	Part-time
LINES OF INVESTIGATION			
UNESCO spec. code	240106 - Animal ecology; 2401.17 Invertebrates 241704 - Limnology; 241713 - Plant ecology; 250805 – Hydrobiology 120323 - Programming languages; 120900 - Statistics; 2414.08 Microbial processes 250308 - Stable isotopes; 250504 - Land utilization; 250800 - Hydrology; 2508.08 Limnology ; 310509 - Habitat influences; 230100 - Analytical chemistry; 239100 - Environmental Chemistry; 2401.20 Ornithology		
Keywords	Food webs, stream communities, anthropogenic impacts, bioenergetics, diversity		

A.2. Academic education

Bachelor/Master/PhD	Degree awarding entity	Year
Master's degree in secondary education teacher training	University of the Basque Country (UPV/EHU)	2023
PhD	University of the Basque Country (UPV/EHU)	2022
Master in Biodiversity and Ecosystem Functioning and Management	University of the Basque Country (UPV/EHU)	2017
Graduate in Biology	University of the Basque Country (UPV/EHU)	2016

A.3. Previous scientific or professional activities

Professional category	Employing entity	Dates
Predocctoral fellow	University of the Basque Country (UPV/EHU)	2018-2022
Non-doctoral researcher	University of the Basque Country (UPV/EHU)	12/2017 - 01/2018
Environmental educator & Customer service	Aranzadi Society of Sciences	07/2016 - 09/2016

A.4. Languages of scientific interest (B=Basic; G=good command; F= fluent)

Language	Speaking	Reading	Writing
Basque	F	F	F
Spanish	F	F	F
English	F	F	F
French	B	B	B
German	B	B	B

B. MOST RELEVANT MERITS

B.1. R&D Projects funded through competitive calls

(the most recent first)

Title of the project: Citypoll. City runoff pollution impacts on river biodiversity under extreme climatic events (TED2021-129966B)	
Funding entity (call): MINECO	
Amount awarded: 523.250,0 €	
Start date (dd/mm/yy): 12/2022	End date (dd/mm/yy): 12/2025
Principal investigator: Sergi Sabater, Isabel Muñoz, Arturo Elosegi	

Title of the project: Ayudas para apoyar las actividades de grupos de investigación del Sistema Universitario Vasco. Gobierno Vasco, IT-1471-22	
Funding entity (call): Eusko Jarularitza	
Amount awarded: 161.400 €	
Start date (dd/mm/yy): 01/01/2022	End date (dd/mm/yy): 31/12/2025
Principal investigator: Luz Boyero	

Title of the project: RIMSEC. Riverine metacommunities as sentinels for environmental change. MINECO (PID2020-115830GB-I00)	
Funding entity (call): MINECO	
Amount awarded: 105.270 €	
Start date (dd/mm/yy): 01/01/2021	End date (dd/mm/yy): 31/12/2024
Principal investigator: Aitor Larrañaga	

Title of the project: Faunistic diversity in the streams of the Geopark: effect of fluvial isolation (UNESCO)	
Funding entity (call): Geoparkea	
Amount awarded: 3.498,4 €	
Start date (dd/mm/yy): 01/01/2022	End date (dd/mm/yy): 31/12/2023
Principal investigator: Aitor Larrañaga; Ioar de Guzman	

Title of the project: Ayudas para apoyar las actividades de grupos de investigación del Sistema Universitario Vasco. Gobierno Vasco, IT-951-16	
Funding entity (call): Eusko Jaurlaritzza	
Amount awarded: 610.000 €	
Start date (dd/mm/yy): 01/01/2016	End date (dd/mm/yy): 31/12/2021
Principal investigator: Jesús Pozo	

Title of the project: DIVERSION: Multi-scale consequences of water diversion on river ecosystems. MINECO CGL2016-77487-R	
Funding entity (call): MINECO	
Amount awarded: 127.004€	
Start date (dd/mm/yy): 01/01/2016	End date (dd/mm/yy): 31/12/2020
Principal investigator: Arturo Elosegi	

Title of the project: GLOBAQUA. Managing the effects of multiple stressors on aquatic ecosystems under water scarcity	
Funding entity (call): EU-FP7	
Amount awarded: 7.590.585,6 €	
Start date (dd/mm/yy): 01/01/2014	End date (dd/mm/yy): 1/12/2019
Principal investigator: Damià Barceló	

B.2. Publications or scientific-technical documents

KEY: B= book, BC= book chapter, P= scientific paper, R= review, E= editor, S= scientific-technical document, O= other (specify).

Authors (by order of signature): Cojoc, L., de Castro-Català, N., de Guzman, I. , González, J., Arroita, M, Besolí-Mestres, N., Cadena, I.Freixa, A., Gutiérrez, O., Larrañaga, A., Muñoz, I., Elosegi, A., Petrovic, M., Sabater, S.			
Title: Pollutants in urban runoff: Scientific evidence on toxicity and impacts on freshwater ecosystems			
Name of journal/Title of book: Chemosphere			
Key:R			
Volume: 369	Initial page: 143806	Final page:	Year: 2024
Publisher (for books):		Publication place:	
Quality indicators IF 8.1 ; 32/358 Environmental Sciences; Q1			

Authors (by order of signature): Ersoy, Z.; Evangelista, C.; Larrañaga, A; Perkins, D; Sánchez-Hernández, J; Chonova, T; Cunillera-Montcusí, D; García-Comas, C; García-Girón, J; de Guzman, I ; Pomeranz, J; Saito, V; Arim, M; Baumgartner, D; Baumgartner, G; Berazategui, M; Boix, D; Collyer, G; Compte, J; Cunico, A; van Dorst, R M; Harding, J; Gaedke, U; Gascón, S; Gubiani, E; Hernández, D; Junker, J; López-Vázquez, M; Maciel, A; Mehner, T; Mormul, Roger; Pereira, R; Petsch, D; Piana, P; Quintana, X; Reiss, J; Rodríguez-Tricot, L; Sala, J; Serra, W; Siqueira, T; Warburton, H; Zarucki, M; Arranz, I			
Title: GLOSSAQUA: a Global Dataset of Size Spectra across Aquatic Ecosystems			
Name of journal/Title of book: Ecology			
Key: BC			
Volume:	Initial page:	Final page:	Year: <i>accepted</i>
Publisher (for books):		Publication place:	
Quality indicators			

Authors: de Guzman, I. , Montoya J.M, Elosegi, Perez-Calpe AV, A., von Schiller, D., González, J. & Larrañaga, A.			
Title: Food web energy fluxes, energy transfer efficiency and diversity respond distinctively to pollution and water diversion in rivers			
Name of journal: Freshwater Biology			
Key: P			
Volume: 69	Initial pag: 351	Final pag:364	Year: 2024
ISSN:		Publication place:	
Quality indicators:	IF 8.7 ; 64/169 Ecology ; 14/119 Marine and freshwater biology		
	Quartile Q1		

Authors: de Guzman, I. , Elosegi, A., von Schiller, D., González, J. M., Paz, L. E., Gauzens, B., Brose, U., Antón, A., Olarte, N., Montoya J. M. & Larrañaga, A.	
Title: Treated and highly diluted, but wastewater still impacts diversity and energy fluxes of freshwater food webs	
Name of journal: Journal of Environmental Management	

Key: P			
Volume: 345	Initial pag: 118510	Final pag:	Year: 2023
ISSN: 0301-4797		Publication place:	
Quality indicators:	IF 8.7 ; 34/279 Environmental Sciences		
	Quartile Q1		

Authors: Betanzos-Lejarraga, L., de Guzman, I. , Escandell, R., Unamuno, E. & Arizaga, J.			
Title: Stopover Ecology of Passerine Birds on an Islet in the Bay of Biscay in Autumn Reveals a Pattern Similar to Their Use of Small Mediterranean Islands in Spring.			
Name of journal: Ardeola			
Key: P			
Volume: 70(2)	Initial pag: 241	Final pag: 255	Year: 2023
ISSN: 0570-7358		Publication place:	
Quality indicators:	IF 1.744; 8/29(ornithology)		
	Quartile Q2		

Authors: Colls Lozano, M., Viza, A., Zufiarre, A., Camacho-Santamans, A., Laini, A., González Ferreras, A. M., ... de Guzman, I. , ... & Romero Blanch, F.			
Title: Impacts of diffuse urban stressors on stream benthic communities and ecosystem functioning: A review			
Name of journal: Limnética			
Key: R			
Volume: 43(1)	Initial pag:	Final pag:	Year: 2023
ISSN: 0213-8409		Publication place:	
Quality indicators:	IF 1.789; 15/21 (Limnology), 65/113 (Marine & Freshwater biology)		
	Quartile Q3		

Authors: González, J. M., de Guzman, I. , Elosegí, A., & Larrañaga, A.			
Title: Tertiary wastewater treatment combined with high dilution rates fails to eliminate impacts on receiving stream invertebrate assemblages.			
Name of journal: <i>Science of The Total Environment</i>			
Key: P			
Volume: 859	Initial pag: 160425	Final pag:	Year: 2023
ISSN: 0301-4797		Publication place:	
Quality indicators:	IF 10.754; 26/279 (environmental Sciences)		
	Quartile Q1		

Authors: Pérez-Calpe, A. V., de Guzman, I. , Larrañaga, A., von Schiller, D., & Elosegí, A.			
Title: Organic Matter Processing on Dry Riverbeds is More Reactive to Water Diversion and Pollution Than on Wet Channels			
Name of journal: <i>Frontiers in Environmental Science</i>			
Key: P			
Volume: 9	Initial pag: 758	Final pag:	Year: 2023
ISSN: 2296-6463		Publication place:	
Quality indicators:	IF 5.411; 82/279 (environmental sciences)		
	Quartile Q2		

Authors: de Guzman, I. , Altieri, P., Elozegi, A., Pérez-Calpe, A. V., von Schiller, D., González, J. M., Brauns, M., Montoya, J. M. & Larrañaga, A.			
Title: Water diversion and pollution interactively shape freshwater food webs through bottom-up mechanisms			
Name of journal: Global Change Biology			
Key: P			
Volume: 28	Initial pag: 859	Final pag: 876	Year: 2022
ISSN: 1354-1013		Publication place:	
Quality indicators:	IF 13,111; 1/65 (Biodiversity conservation), 5/173 (Ecology), 17/279 (environmental sciences)		
	Quartile Q1		

Authors: Larranaga, A.; de Guzman, I. ; Solagaistua, L.			
Title: A small supply of high quality detritus stimulates the consumption of low quality materials, but creates subtle effects on the performance of the consumer			
Name of journal: Science of The Total Environment			
Key: P			
Volume: 726	Initial pag: 138397	Final pag:	Year: 2020
ISSN: 0048-9697		Publication place:	
Quality indicators:	IF 7.963; 25/274 (environmental sciences)		
	Quartile Q1		

Authors: Pereda, O., Solagaistua, L., Atristain, M., de Guzman, I. , Larrañaga, A., von Schiller, D., & Elozegi, A.			
Title: Impact of wastewater effluent pollution on stream functioning : A whole-ecosystem manipulation experiment			
Name of journal: Environmental pollution			
Key: P			
Volume: 258	Initial pag: 113719	Final pag:	Year: 2020
ISSN: 0269-7491		Publication place:	
Quality indicators:	IF 8.071; 23/274 (environmental sciences)		
	Quartile Q1		

Authors: Solagaistua, L., de Guzman, I. , Barrado, M., Mijangos, L., Etxebarria, N., García-Baquero, G., Larrañaga A. von Schiller, D. & Elozegi, A			
Title: Testing wastewater treatment plant effluent effects on microbial and detritivore performance: A combined field and laboratory experiment			
Name of journal: Aquatic toxicology			
Key: P			
Volume: 203	Initial pag: 159	Final pag: 171	Year: 2018
ISSN: 0166-445X		Publication place:	
Quality indicators:	IF 3.794; 17/93 (Marine & Freshwater Biology)		
	Quartile Q1		

B.3. Participation in R&D non-competitive contracts, agreements or projects with public or private entities

Title of contract: Monitoring of passerine bird populations by means of scientific bird ringing at the Leioa Campus and and training of new ringers	
Type of contract:	
Funding entity (call) / company: Euskal Herriko Unibertsitatea	
Contract amount: 718,33 €	
Participating entities:	
Initial date (dd/mm/yy): 01/09/2019	End date (dd/mm/yy): 06/2021
Principal investigator: Ioar de Guzman	

B.6. Contributions to conferences

(the most recent first)

KEY: PC= plenary conference; IC= invited conference; P= communication poster; OC= oral communication; O= other (specify).

Authors (by order of signature): De Guzman, I. , Fernández de Larrea, I., Garrastatxu, J., González, J.M., Arroita, M. Estévez, E., Elozegi, A., Perkins, D.M. & Larrañaga, A.	
Title: Size distribution shifts in fluvial networks of different level of anthropization	
Key: OC	
Conference: XXII Congress of the Iberian Association of Limnology	
City of event: Vigo	Country: Spain
Start date (dd/mm/yy): 23/06/2024	End date (dd/mm/yy): 28/06/2024
Publication:	

Authors (by order of signature): Fernández de Larrea, I., De Guzman, I. , Garrastatxu, J., González, J.M., Elozegi, A., Estévez, E., Arroita, M., Montoya, J.M., Arambarri, M., Bastarrika, A. & Larrañaga, A.	
Title: Drivers of distance-decay of similarity in headwater stream macroinvertebrate communities	
Key: OC	
Conference: XXII Congress of the Iberian Association of Limnology	
City of event: Vigo	Country: Spain
Start date (dd/mm/yy): 23/06/2024	End date (dd/mm/yy): 28/06/2024
Publication:	

Authors (by order of signature): Arambarri, M De Guzman, I. , Fernández de Larrea, I., Arroita, M., Garrastatxu, J., & Larrañaga, A.	
Title: Macroinvertebrates communities in low order isolated streams	
Key: P	
Conference: XXII Congress of the Iberian Association of Limnology	
City of event: Vigo	Country: Spain
Start date (dd/mm/yy): 23/06/2024	End date (dd/mm/yy): 28/06/2024
Publication:	

Authors (by order of signature): Pomeranz, J., Perkins, D., Arranz, I., de Guzman, I. , Gjoni, V., Jacobsen, D., Kratina, P., Larrañaga, A., Murray, C., Rasmussen, J., Saito, V., Valiente, F.	
Title:	
Key: OC	
Conference: Society for Freshwater Science 2024 Annual meeting	
City of event: Philadelphia, Pennsylvania	Country: USA
Start date (dd/mm/yy): 02/06/2024	End date (dd/mm/yy): 06/06/2024
Publication:	

Authors (by order of signature): Perkins, D., Arranz, I., de Guzman, I. , Gjoni, V., Jacobsen, D., Kratina, P., Larrañaga, A., Murray, C., Pomeranz, J., Rasmussen, J., Saito, V., Valente, F.	
Title: Human footprint(s) on stream community size structure: consistent impacts across latitudes?	
Key: OC	
Conference: SIL International Congress on Limnology	
City of event: Foz de Iguaçu	Country: Brasil
Start date (dd/mm/yy): 05/05/2024	End date (dd/mm/yy): 09/05/2024
Publication:	

Authors (by order of signature): de Guzman I , Montoya J, Elozegi A., Perez-Calpe AV, von Schiller D, González JM & Larrañaga A.	
Title: Pollution accentuates the effects of water diversion on river food web energy fluxes, but does not alter energy transfer efficiency.	
Key: OC	
Conference: Society for the Experimental Biology	
City of event: Edinburgh	Country: UK
Start date (dd/mm/yy): 03/07/2023	End date (dd/mm/yy): 07/07/2023
Publication:	

Authors (by order of signature): Arranz I, Evangelista C, Chonova T, Cunillera-Montcusí D, García-Girón J, García-Comas C, de Guzman I , Larrañaga A, Perkins D, Pomeranz J, Saito V, Sánchez-Hernández J, Ersoy Z.	
Title: Latitudinal patterns of size spectra across marine and freshwater ecosystems: valuable insights from a literature survey	
Key: OC	
Conference: Society for the Experimental Biology	
City of event: Edinburgh	Country: UK
Start date (dd/mm/yy): 03/07/2023	End date (dd/mm/yy): 07/07/2023
Publication:	

Authors (by order of signature): de Guzman I , Betanzos L, Galarza, A., Lopez-Idiaquez D, Salmon P	
Title: Efectos de los cambios en los usos del suelo en la biología del mirlo acuático (Cinclus cinclus) en Bizkaia	
Key: OC	
Conference: III. Euskal Kongresu Ornitologikoa	
City of event: Donostia	Country: Spain
Start date (dd/mm/yy): 26/11/2022	End date (dd/mm/yy): 27/11/2022
Publication:	

Authors (by order of signature): Betanzos L, de Guzman I , Unamuno E, Arizaga J	
Title: Cuatro años anillando aves migratorias en verano en la isla de Izaia	
Key: OC	
Conference: III. Euskal Kongresu Ornitologikoa	
City of event: Donostia	Country: Spain
Start date (dd/mm/yy): 26/11/2022	End date (dd/mm/yy): 27/11/2022
Publication:	

Authors (by order of signature): de Guzman I , Betanzos L, Unamuno E, Arizaga J	
Title: "¡Tierra, tierra!" campaña de anillamiento de passeriformes en paso posnupcial en la isla de Izaia Bizkaia	
Key: OC	
Conference: XXI Congreso de Anillamiento Científico de Aves	
City of event: Jaén	Country: Spain
Start date (dd/mm/yy): 03/12/2021	End date (dd/mm/yy): 07/12/2021
Publication:	

Authors (by order of signature): de Guzman I , Blanco, M., González, JM., Larrañaga, A., Perez-Calpe, A.V., von Schiller D, & Elozegi A,	
Title: Interactive effects of water diversion and pollution on stream biological communities	
Key: OC	
Conference: XX Congress of the Iberian Association of Limnology (AIL2020) III Iberoamerican Congress of Limnology (CIL 2020)	
City of event: Murcia	Country: Spain

Start date (dd/mm/yy): 26/10/2020	End date (dd/mm/yy): 29/10/2020
Publication:	

Authors (by order of signature): Elozegi, A., Atristain, M., de Guzman, I. , Gonzalez, JM., Larrañaga, A., Perez-Calpe, AV., von Schiller, d.	
Title: Impacto de las minicentrales eléctricas en la estructura y funcionamiento de los ecosistemas fluviales	
Key: OC	
Conference: XVII Congresso Brasileiro de Limnologia e 2º Congresso Ibero-americano de Limnologia	
City of event: Florianopolis	Country: Brazil
Start date (dd/mm/yy): 04/08/2019	End date (dd/mm/yy): 09/08/2019
Publication:	

Authors (by order of signature): de Guzman I , Buceta M, Brauns M, González JM, Larrañaga A, von Schiller D & Elozegi A.	
Title: Effects of a WWTP effluent on stream food webs through stable isotope analysis	
Key: OC	
Conference: 11 th Symposium for European Freshwater Sciences	
City of event: Zagreb	Country: Croatia
Start date (dd/mm/yy): 30/06/2019	End date (dd/mm/yy): 05/07/2019
Publication:	

Authors (by order of signature): Perez-Calpe AV, González JM, de Guzman I , , von Schiller D, Larrañaga A & Elozegi A	
Title: Consequences of water diversion and its interaction with chemical pollution on river ecosystem functioning	
Key: OC	
Conference: 11 th Symposium for European Freshwater Sciences	
City of event: Zagreb	Country: Croatia
Start date (dd/mm/yy): 30/06/2019	End date (dd/mm/yy): 05/07/2019
Publication:	

Authors (by order of signature): de Guzman I , Buceta M, Brauns M, González JM, Larrañaga A, von Schiller D & Elozegi A	
Title: Assessing the environmental effects of a wastewater treatment plant (WWTP) effluent on stream food webs through stable isotope analysis	
Key: OC	
Conference: 1st Meeting of the Iberian Ecological Society & XIV AEET Meeting Ecology an integrative science in the Anthropocene	
City of event: Barcelona	Country: Spain
Start date (dd/mm/yy): 04/02/2019	End date (dd/mm/yy): 07/02/2019
Publication:	

Authors (by order of signature): Elozegi, A., Atristain, M., Barrado, M., de Guzman I , González JM, Larrañaga A, Pereda, O., Perez-Calpe, A.V, von Schiller D	
Title: Assessing the environmental effects of WWTP effluents by means of ecosystem-level manipulation	
Key: OC	
Conference: 1st Meeting of the Iberian Ecological Society & XIV AEET Meeting Ecology an integrative science in the Anthropocene	
City of event: Barcelona	Country: Spain
Start date (dd/mm/yy): 04/02/2019	End date (dd/mm/yy): 07/02/2019
Publication:	

Authors (by order of signature): Larrañaga, A., Achurra, A., Atristain, M., Blanchet, S., de Guzman I , Prunier, J., Velayos, G., von Schiller D & Elozegi A	
Title: DESEMBALSE project: last days of a dam creating a barrier on community and population structure	
Key: OC	
Conference: 1st Meeting of the Iberian Ecological Society & XIV AEET Meeting Ecology and integrative science in the Anthropocene	
City of event: Barcelona	Country: Spain
Start date (dd/mm/yy): 04/02/2019	End date (dd/mm/yy): 07/02/2019
Publication:	

Authors (by order of signature): Pereda, O., Solagaistua, L., Atristain, M., de Guzman, I. , Larrañaga, A., von Schiller, D., Elozegi, A.	
Title: Zientziaren kontraesanak: erreka bat kutsatzen araztegien isurketen efektuak aztertzeko	
Key: P	
Conference: NZ3T. Natur Zientzien III. Topaketa: Sinbiosian.	
City of event: San Sebastian	Country: Spain
Start date (dd/mm/yy): 17/11/2018	End date (dd/mm/yy): 18/11/2018
Publication:	

Authors (by order of signature): Elozegi, A., Atristain, M., Barrado, M., de Guzman I , González JM, Larrañaga A, Pereda, O., Perez-Calpe, A.V, Solagaistua, L., von Schiller D	
Title: Ecosystem-level manipulation reveals subtle effects of WWTP effluents on river ecosystems.	
Key: OC	
Conference: GLOBAQUA Conference. Managing Water Scarcity in River Basins: Innovation and Sustainable Development	
City of event: Agadir	Country: Morocco
Start date (dd/mm/yy): 04/10/2018	End date (dd/mm/yy): 06/10/2018
Publication:	

Authors (by order of signature): de Guzman I , Solagaistua, L., Barrado, M., Larrañaga A, von Schiller, D, Elozegi, A	
Title: Effects of wastewater treatment plant effluent on the detrital pathway	
Key: OC	
Conference: XIX Conference of the Iberian Association of Limnology	
City of event: Coimbra	Country: Portugal
Start date (dd/mm/yy): 24/06/2018	End date (dd/mm/yy): 29/06/2018
Publication:	

Authors (by order of signature): Perez-Calpe, AV., Gonzalez, JM., de Guzman, I. , Larrañaga, A., von Schiller D & Elozegi, A.	
Title: DIVERSION: Multi-scale consequences of water diversion and its interaction with pollution on river ecosystems	
Key: OC	
Conference: XIX Conference of the Iberian Association of Limnology	
City of event: Coimbra	Country: Portugal
Start date (dd/mm/yy): 24/06/2018	End date (dd/mm/yy): 29/06/2018
Publication:	

Authors (by order of signature): von Schiller, D., Atristain, M., Barrado, M., de Guzman I , González JM, Larrañaga A, Pereda, O., Perez-Calpe, A.V, Solagaistua, L., Elozegi, A.	
Title: Polluting a stream for the sake of science: an ecosystem manipulation experiment on the ecological effects of WWTP effluents	
Key: OC	
Conference: XIX Conference of the Iberian Association of Limnology	

City of event: Coimbra	Country: Portugal
Start date (dd/mm/yy): 24/06/2018	End date (dd/mm/yy): 29/06/2018
Publication:	

Authors (by order of signature): Elosegi, A. Atristain, M., Barrado, M., de Guzman I , González JM, Larrañaga A, Pereda, O., Perez-Calpe, A.V, Solagaistua, L., von Schiller, D	
Title: Polluting a stream for the sake of science: an ecosystem manipulation experiment on the ecological effects of WWTP effluents	
Key: OC	
Conference: Symposium of Freshwater Scientists	
City of event: Detroit	Country: United States of America
Start date (dd/mm/yy): 20/05/2018	End date (dd/mm/yy): 24/05/2018
Publication:	

Authors (by order of signature): de Guzman, I. , Solagaistua, L., Larrañaga, A.,	
Title: Microbial decomposition: a meta-analysis on the ratios of structural vs. functional variables	
Key: P	
Conference: 8th conference on Plant Litter Processing in Freshwaters (PLPF8)	
City of event: Bilbao	Country: Spain
Start date (dd/mm/yy): 17/07/2017	End date (dd/mm/yy): 20/07/2017
Publication:	

B.7. Supervision of doctoral thesis

(the most recent first)

B.8. Experience in organizing and managing R&D activities

(the most recent first)

(Fine Arts and Architecture: include exhibitions in this section)

Title: Coordinator of the Urdaibai scientific bird ringing group	
Type of activity: Group management	
Field: Ornithology	
Performed tasks: Coordination activities between the Aranzadi Society of Science ringing office and the group. Carrying out scientific bird ringing projects.	
Start date (dd/mm/yy): 31/10/2022	End date (dd/mm/yy): present

Title: CityPoll conference- Urban runoff pollutants: occurrence and impacts on freshwater ecosystems, and mitigation strategies.	
Type of activity: Conference	
Field: Natural Sciences	
Organising committee: Larrañaga, A; Freixa, A.;Elosegi, A; de Guzman, I ; Cadena, I.;Muñoz, I.;Martinez, I;Gonzalez, J;Arroita, M;Menéndez, M;Petrovic, M;Besolí-Mestres, N;de Castro-Català, N.;Gutierrez, O.;Sabater, S.	
Start date (dd/mm/yy): 12/06/2025	End date (dd/mm/yy): 13/06/2025

Title: Fresh Blood For Freshwater (<i>Cancelled</i>)	
Type of activity: International conference	
Field: Limnology	
Organising committee: Atristain, M., de Guzman, I. , González, J. D., Jarma, D. A., Jorda-Capdevila, D., Llorente, A., Perez-Calpe, A. V., Puche, E.,	
Start date (dd/mm/yy): 25/11/2020 (<i>Cancelled</i>)	End date (dd/mm/yy): 28/11/2020 (<i>Cancelled</i>)

Title: NZ3T. Natur Zientzien III. Topaketa	
Type of activity: Conference	



Field: Natural Sciences	
Organising committee: Alberdi Elola, A;Aristi de la Hoz, I;Arroyo Egizabal, B;de Guzman, I;Eizagirre Ascaray, O;Etxebarria Okaritz, M;Garcia del Bao, A;Jauregi Agirre, A;Lopez de Arbina Labandibar, A;Mallona Martin, Y;Pagaldai Agiriano, N;Salaberria Oiarzabal, A;Sarriegi Aldasoro, U;Sistiaga Poveda, M;Ugarte Teran, G;Yarza Unamuno, M	
Start date (dd/mm/yy): 17/11/2018	End date (dd/mm/yy): 18/11/2018

OTHER MERITS OR CLARIFICATIONS

I am an **interdisciplinary ecologist** with special **focus on community ecology**. I am particularly **interested on assessing the effects of global environmental change on ecosystem structure and functioning** through a combination of different qualitative and quantitative tools. I got my degree in Biology and my Master's degree in Biodiversity and Ecosystem Functioning at the University of the Basque Country (UPV/EHU) and joined the Stream Ecology group. I obtained a scholarship from the Basque Government (PRE_2017_1_0114) to develop my thesis entitled "Effects of pollution and water diversion on the organization and functioning of stream food webs" under the supervision of Dr. Aitor Larrañaga and Dr. Jose Montoya, and I hold a **PhD in Ecology** since May 2022 with **International PhD mention and cum laude distinction**. My thesis dissertation also got a **secondary award** in the XIV Limnology Research Award **for the best doctoral thesis defended in 2022** by the Iberian Association of Limnology.

During my PhD, I did a 1-month **internship** at the **Helmholtz-Zentrum für Umweltforschung GmbH (UFZ)** in Magdeburg (Germany) under the supervision of Dr. Mario Brauns and a 3-month **internship** at the **German Centre for Integrative Biodiversity Research (iDiv)** in Leipzig under the supervision of Dr. Ulrich Brose. Thanks to the work I did during these internships I gained knowledge in different aspects of food web ecology, acquired analytical skills and led scientific publications within a network that will support my future research activities.

I participated in different **research projects** funded by: European Union, Ministry of Economy and Competitiveness, Basque Government, Gipuzkoa Provincial Government. Diverse entities and national and international researchers participated in most of the projects in addition to the Stream Ecology Group members, building a solid collaborative network. These projects have addressed different aspects of river ecology and my research has focused on studying how anthropogenic stress affects ecosystem structure and functioning. In this context, I combined **observational and manipulative experiments in the field and in the laboratory** where I **gained experience** in fields such as laboratory analytical techniques, identification of freshwater organisms, quantification of organic matter dynamics, data treatment and statistical analyses. I have produced **11 scientific papers** in SCI journals (**Q1=8**) and **participated in 20** national and international **conferences** in order to disseminate the results. I also attended **several workshops and courses** such as the "Stable isotope mixing models using SIBER, SIAR, MixSIAR" by PR Statistics which allowed me guiding my PhD research, or the "**Introduction to Time Series Analysis in Limnology**" by the Iberian Association of Limnology which opened to me a new field of knowledge and possible research activities. In order to transmit scientific knowledge to society, I participated in different STEAM activities, workshops and radio programs to **disseminate scientific awareness** to future generations and a general audience. Additionally, I manage the X (Twitter) account of our Stream Ecology group: @EhuStream.

In the meantime, I also got trained as a **scientific bird ringer**, which allowed me to conduct my own projects and participate in different ringing campaigns, through which I have also **established a network** with national and international scientists to carry out research projects in the field of ornithology. Likewise, I am **coordinator of the Urdaibai ringing group**, where I run coordination tasks between Aranzadi Society of Science and the ringing group to which I belong.

Currently I am a **postdoctoral researcher** at the UPV/EHU and my research focuses on addressing the **effects of urban runoff on stream ecosystems** in collaboration with researchers at University of Barcelona and ICRA. A research stay of two weeks in NIVA (Denmark) within the Aquasync project lead by Dr. Daniel Perkins also allowed me building a network to further explore the guilds of food web energetics. Last year I got the Associate Professor accreditation by Unibasq. At present, I am giving some **lectures** at the UPV/EHU in the degree of Biology and Master of Biodiversity and I am **co-supervising 2 Bachelor theses and 3 Master theses**, tasks that I also fulfilled during the previous academic course.