



Javier Arístegui Ruiz

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General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

h-index (Research Id): 37 (~4200 citas)

h-index (Google Scholar): 48 (~7000 citas)

i10 index (Google Scholar): 108

>140 publicaciones científicas

>130 comunicaciones a congresos

30 Proyectos nacionales e internacionales como IP

Director de 14 tesis doctorales (+4 en curso) y 25 tesinas de master (+2 en curso)

5 Sexenios de investigación

Editor in Chief de "Deep Sea Research II" y Associate Editor de "Frontiers in Marine Science"

SSC and Vice-Chair del Programa Internacional IMBER (2008-2014)

Contributing author for the Intergovernmental Panel on Climate Change (IPCC); WGII AR5, Chapter 6 (2014)

Lead Author for the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (2017-2019)

"Helmholtz International Fellow Award 2015" (Helmholtz Association, Germany).



Javier Arístegui Ruiz

Surname(s): **Aristegui Ruiz**
 Name: **Javier**
 DNI: **51871751N**
 Date of birth: **05/09/1956**
 Gender: **Male**
 Land line phone: **(34) 928452906**
 Email: **javier.aristegui@ulpgc.es**
 Personal web page: **http://iocag.ulpgc.es/people/javier-aristegui-ruiz**

Current professional situation

Employing entity: Universidad de las Palmas de Gran Canaria
Department: Instituto de Oceanografía y Cambio Global
Professional category: Catedrático de **Educational Management (Yes/No):** Yes
 Universidad
City employing entity: 35017 Las Palmas de Gran Canaria, Spain
Phone: (34) 928452906 **Fax:** (34) 928454490 **Email:** jaristegui@dbio.ulpgc.es
Start date: 2010
Type of contract: Civil servant **Dedication regime:** Full time
Primary (UNESCO code): 251001 - Biological oceanography
Field of management activity: University

Previous positions and activities

	Employing entity	Professional category	Start date
1	FUNDACION CANARIA PARQUE CIENTIFICO TECNOLOGICO DE LA UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA	Director del Servicio Integral de Tecnología Marina (SITMA)	2015
2	Universidad de las Palmas de Gran Canaria	Secretario Instituto Oceanografía y Cambio Global	2012
3	Universidad de las Palmas de Gran Canaria	Director Instituto Oceanografía y Cambio Global	2011
4	Universidad de las Palmas de Gran Canaria	Profesor Titular Numerario	1988
5	Universidad de las Palmas de Gran Canaria	Secretario Facultad de Ciencias del Mar	1998
6	Universidad de las Palmas de Gran Canaria	Profesor Titular Interino	1985
7	Universidad de las Palmas de Gran Canaria	Profesor Colaborador	1984
8	Universidad de La Laguna	Becario Junta de Canarias	1981
9			2019



	Employing entity	Professional category	Start date
	Universidad de las Palmas de Gran Canaria	Director del Observatorio Canario de Algas Tóxicas (Oc-HABs)	

- 1** **Employing entity:** FUNDACION CANARIA PARQUE CIENTIFICO TECNOLOGICO DE LA UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA
Professional category: Director del Servicio Integral de Tecnología Marina (SITMA)
Start-End date: 2015 - 2018
- 2** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Secretario Instituto Oceanografía y Cambio Global
Start-End date: 2012 - 2015
- 3** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Director Instituto Oceanografía y Cambio Global
Start-End date: 2011 - 2012
- 4** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Profesor Titular Numerario
Start-End date: 1988 - 2010
- 5** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Secretario Facultad de Ciencias del Mar
Start-End date: 1998 - 2002
- 6** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Profesor Titular Interino
Start-End date: 1985 - 1988
- 7** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Profesor Colaborador
Start-End date: 1984 - 1985
- 8** **Employing entity:** Universidad de La Laguna **Type of entity:** University
Professional category: Becario Junta de Canarias
Start-End date: 1981 - 1984
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Field of management activity: University
- 9** **Employing entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University
Professional category: Director del Observatorio Canario de Algas Tóxicas (Oc-HABs)
Start date: 2019



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

- 1 University degree:** Higher degree
Name of qualification: Licenciado con Grado en Ciencias Biológicas (Tesina)
Degree awarding entity: Universidad de La Laguna **Type of entity:** University y M.E.C.
Date of qualification: 03/1983
Average mark: Excellent
- 2 University degree:** Higher degree
Name of qualification: Licenciado en Ciencias Biológicas
Degree awarding entity: Universidad de La Laguna **Type of entity:** University y M.E.C.
Date of qualification: 06/1979
Average mark: Good

Doctorates

Doctorate programme: Doctor en Ciencias Biológicas
Degree awarding entity: Universidad de La Laguna **Type of entity:** University y M.E.C.
Date of degree: 09/1984
Thesis title: Briozoos Quilostomados (Ectoprocta Cheilostomata) de Canarias
Thesis director: Juan José Bacallado
Obtained qualification: Sobresaliente cum laude

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
French		B1			
English		C1	C1	C1	C1



Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Impact of artificial fertilization on the metabolic balance of planktonic communities: a mesocosm approach
Type of project: Trabajo Fin de Master
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Javier Berdún Quevedo
Date of reading: 06/2019
- 2** **Project title:** Plankton community respiration and organic carbon balance in the Gulf of California during a moderate El Niño event
Type of project: Trabajo Fin de Master
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Victoria Zoeller
Date of reading: 06/2019
- 3** **Project title:** SPATIO-TEMPORAL VARIABILITY IN THE STRUCTURE OF PLANKTONIC COMMUNITIES IN EASTERN BOUNDARY UPWELLING SYSTEMS (EBUS): INFLUENCE OF COASTAL UPWELLING AND OF MESOSCALE ACTIVITY
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Valeria Anabalón Medina
Date of reading: 01/2019
- 4** **Project title:** Response of phytoplankton and heterotrophic bacteria to atmospheric deposition in the Mauritanian-Senegalese upwelling
Type of project: Trabajo Fin de Master
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Claudia Pérez Barrancos
Date of reading: 01/2019
- 5** **Project title:** Hydrographic conditions and plankton distribution during March and September 2017 in the Mexican North Pacific coast
Type of project: Trabajo Fin de Grado
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Eugenio Raymond Alfonso
Date of reading: 12/2018
- 6** **Project title:** Assessing organic contamination through Flow Cytometry indexes
Type of project: Trabajo Fin de Grado
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Javier Berdún Quevedo
Date of reading: 09/2018



- 7** **Project title:** TRANSPORT, RESPIRATION AND SEQUESTRATION OF ORGANIC CARBON IN THE CANARY CURRENT ECOSYSTEM
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Yeray Santana Falcón
Date of reading: 09/2017
- 8** **Project title:** Impact of a cyclonic mesoscale eddy on the structure of the planktonic community at the submesoscale range
Type of project: Tesina Fin de Master
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Esther Velasco Senovilla
Date of reading: 07/2017
- 9** **Project title:** Did the submarine volcanic eruption of El Hierro (Canary Islands) lead to abiological fertilization of the planktonic community?: evidences from in situ and remote sensing data in the phytoplankton community
Type of project: Trabajo Fin de Master
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Markel Gómez Letona
Date of reading: 07/2017
- 10** **Project title:** The spatio-temporal variation of phytoplankton around the Canary Islands
Type of project: Trabajo Fin de Título
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Claudia Pérez Barrancos
Date of reading: 07/2017
- 11** **Project title:** Ocean acidification effects on phytoplankton community structure in Gran Canaria Island during a mesocosms experiment
Type of project: Tesina Fin de Master
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Adriana Rodríguez Santos
Date of reading: 02/2017
- 12** **Project title:** Increasing or decreasing trends in primary production in the Canary Current Upwelling System? A regional perspective
Type of project: Trabajo Fin de Título
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Markel Gómez Letona
Date of reading: 11/2016
- 13** **Project title:** Assessment of the relationship between R and ETS in an ocean acidification experiment
Type of project: Trabajo Fin de Título
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Alba Filella López de Lamadrid
Date of reading: 11/2016
- 14** **Project title:** Distribution, transformation and metabolism of exopolimeric particles in marine ecosystems.
Type of project: Doctoral thesis
Entity: UNIVERSIDAD DE GRANADA **Type of entity:** University
Student: Ignacio Pérez Mazuecos



Date of reading: 12/2015

- 15** **Project title:** "Plankton community variability at the submesoscale: coupled physical-biological processes and biogeochemical modeling" (Año 2)
Type of project: Doctoral thesis
Co-director of thesis: Evan Mason
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Yeray Santana Falcón
Date of reading: 2015
- 16** **Project title:** Short-term variability of pico plankton across the wind shear region south of Gran Canaria
Type of project: Tesina de Máster
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Nauzet Hernández Hernández
Date of reading: 12/2013
- 17** **Project title:** "Magnitude and controls of N₂ fixation in the subtropical Northeast Atlantic"
Type of project: Doctoral thesis
Co-director of thesis: Nona Sheila Agawin
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Mar Benavides Gorostegui
Date of reading: 02/2013
European doctorate: Yes
Quality recognition: Yes
- 18** **Project title:** Are tetrazolium salts a reliable proxy to assess in vivo respiratory activity in natural marine communities?
Type of project: Tesina de Máster
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Isabel Baños Cerón
Date of reading: 12/2012
- 19** **Project title:** "The influence of oceanic seamounts on the variability of primary production, microbial respiration and plankton community structure"
Type of project: Doctoral thesis
Co-director of thesis: Ana Martins
Entity: Universidad de Azores (Portugal) **Type of entity:** University
City of entity: Horta, Região Autónoma dos Açores, Portugal
Student: Ana Mendonca
Obtained qualification: Cum Laude
Date of reading: 12/2011
- 20** **Project title:** "A biophysical modeling approach of the Canarian waters"
Type of project: Work leading to an ASD
Co-director of thesis: Evan Mason
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Yeray Santana Falcón
Obtained qualification: Sobresaliente
Date of reading: 12/2011
Quality recognition: Yes



- 21** **Project title:** "Global distribution of exopolymeric particles in the ocean"
Type of project: Work leading to an ASD
Co-director of thesis: Isabel Reche
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Ignacio Pérez Mazuecos
Obtained qualification: Sobresaliente
Date of reading: 12/2011
Quality recognition: Yes
- 22** **Project title:** "New insights into POC dynamics in the subtropical Northeast Atlantic Ocean"
Type of project: Doctoral thesis
Co-director of thesis: Antoni Calafat
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Iván González Alonso
Obtained qualification: Sobresaliente cum laude
Date of reading: 01/2011
Quality recognition: Yes
- 23** **Project title:** "Diazotrophic activity of Trichodesmium and unicellular cyanobacteria in the subtropical Northeast Atlantic"
Type of project: Work leading to an ASD
Co-director of thesis: Nona Sheila Agawin
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Mar Benavides Gorostegui
Obtained qualification: Sobresaliente
Date of reading: 06/2010
Quality recognition: Yes
- 24** **Project title:** "Shedding Light on the role of the prokaryotic assemblage in the biogeochemical cycles of the dark ocean"
Type of project: Doctoral thesis
Co-director of thesis: Gerhard Herndl
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Federico Baltar González
Obtained qualification: Sobresaliente cum laude
Date of reading: 03/2010
European doctorate: Yes
Quality recognition: Yes
- 25** **Project title:** "Testing models for Trichodesmium spp. detection in the Canary Islands"
Type of project: Work leading to an ASD
Co-director of thesis: Hervé Demarq
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Carmen Liliana Roa Pascuali
Obtained qualification: Sobresaliente
Date of reading: 10/2009
Quality recognition: Yes
- 26** **Project title:** "Suspended POC transport and consumption in surface and deep waters of the Canary Current region: a box-model study"
Type of project: Work leading to an ASD



Co-director of thesis: Antoni Calafat

Entity: Universidad de las Palmas de Gran Canaria

Type of entity: University

Student: Iván González Alonso

Obtained qualification: Sobresaliente

Date of reading: 12/2007

Quality recognition: Yes

27 Project title: "Strong coastal-ocean and surface-depth gradients in prokaryotic assemblage structure and activity in a coastal transition zone region"

Type of project: Work leading to an ASD

Co-director of thesis: Gerhard Herndl

Entity: Universidad de las Palmas de Gran Canaria

Type of entity: University

Student: Federico Baltar González

Obtained qualification: Sobresaliente

Date of reading: 06/2007

Quality recognition: Yes

28 Project title: "Distribución y flujos de materia orgánica particulada y disuelta en la región de transición entre el afloramiento Africano y las aguas Canarias"

Type of project: Doctoral thesis

Entity: Universidad de las Palmas de Gran Canaria

Type of entity: University

Student: Mercedes García Muñoz

Obtained qualification: Sobresaliente cum laude

Date of reading: 05/2006

Quality recognition: Yes

29 Project title: "Transporte de materia orgánica y nutrientes a través de un filamento costero (Cabo Guir, NW Africa)"

Type of project: Work leading to an ASD

Entity: Universidad de las Palmas de Gran Canaria

Type of entity: University

Student: Mercedes García Muñoz

Obtained qualification: Sobresaliente

Date of reading: 12/2002

Quality recognition: Yes

30 Project title: "Variabilidad en la biomasa y estructura de las comunidades de fitoplancton en aguas de Canarias, determinada mediante análisis de pigmentos por HPLC"

Type of project: Doctoral thesis

Co-director of thesis: Manuel Zapata

Entity: Universidad de las Palmas de Gran Canaria

Type of entity: University

Student: Konelis van Lenning

Obtained qualification: Apto cum laude

Date of reading: 12/2000

European doctorate: Yes

Quality recognition: Yes

31 Project title: "Distribución y composición pigmentaria de picoplancton procariota tipo Prochlorococcus marinus en la región Canaria del Océano Atlántico"

Type of project: Minor thesis

Co-director of thesis: Manuel Zapata

Entity: Universidad de las Palmas de Gran Canaria

Type of entity: University



Student: Kornelis van Lenning
Obtained qualification: sobresaliente
Date of reading: 06/2000
Quality recognition: Yes

- 32** **Project title:** "Dinoflagelados de Canarias: estudio taxonómico y ecológico"
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Alicia Ojeda Rodríguez
Obtained qualification: Apto cum laude
Date of reading: 12/1998
- 33** **Project title:** "Estudio de las características tróficas y modelización del ecosistema de la Charca de Maspalomas"
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Javier Almunia Portolés
Obtained qualification: Apto cum laude
Date of reading: 12/1998
- 34** **Project title:** "Estudio sobre las causas desencadenantes de la mortandad de peces en la Charca de Maspalomas"
Type of project: Minor thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Javier Almunia Portolés
Obtained qualification: Sobresaliente
Date of reading: 09/1998
- 35** **Project title:** "Género Ceratium (Dinophyceae) en las Islas Canarias: estudio taxonómico y ecológico"
Type of project: Minor thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Alicia Ojeda Rodríguez
Obtained qualification: sobresaliente
Date of reading: 04/1998
- 36** **Project title:** "Influencia de las Estructuras Mesoescalares sobre la Distribución y Abundancia de Bacterias y Cianobacterias en Aguas de Canarias"
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Salomé Ballesteros Rodríguez
Obtained qualification: Apto cum laude
Date of reading: 12/1994
- 37** **Project title:** "Influencia de las Estructuras Oceanográficas Mesoescalares sobre la Producción Primaria en la Región Canaria"
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Gotzon Basterretxea Oyarzabal
Obtained qualification: Apto cum laude
Date of reading: 09/1994



- 38** **Project title:** "Producción primaria en el Estrecho de Bransfield, Océano Antártico"
Type of project: Minor thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Gotzon Basterretxea Oyarzabal
Obtained qualification: Sobresaliente
Date of reading: 05/1994
- 39** **Project title:** "Respiración y Actividad ETS en Microplancton Marino. Variabilidad del ETS en Aguas de Canarias"
Type of project: Doctoral thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: María Fernanda Montero del Pino
Obtained qualification: Apto cum laude
Date of reading: 12/1993
- 40** **Project title:** "Estudio de la abundancia y distribución de Bacterias y Cianobacterias alrededor de la Isla de Gran Canaria, durante la época de máximo productivo primaveral"
Type of project: Minor thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: Salomé Ballesteros Rodríguez
Obtained qualification: Sobresaliente
Date of reading: 10/1993
- 41** **Project title:** "Estudio de la respiración en microplancton marino mediante tasas de consumo de oxígeno y actividad del sistema de transporte de electrones"
Type of project: Minor thesis
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Student: María Fernanda Montero del Pino
Obtained qualification: Sobresaliente
Date of reading: 10/1993
- 42** **Project title:** "The influence of an eddy on the primary production of the waters in the wake of Gran Canaria"
Type of project: Master in Science
Co-director of thesis: WWC Gieskes
Entity: Universidad de Groningen (Holanda) **Type of entity:** University
City of entity: Groningen, Groningen, Holland
Student: Rienko H.J. Vandershuur
Obtained qualification: Cum laude
Date of reading: 07/1991



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Sustainable management of mesopelagic resources (SUMMER)
Name principal investigator (PI, Co-PI....): Xabier Irigoien (Coordinador), Javier Arístegui (PI)
Funding entity or bodies:
Unión Europea (H2020-BG-08, EU)
Start-End date: 2019 - 2022
Total amount: 286.250 €
- 2** **Name of the project:** Tropical and South Atlantic - climate-based marine ecosystem prediction for sustainable management (TRIATLAS)
Name principal investigator (PI, Co-PI....): Noel Keenlyside (Coordinador), Javier Arístegui (PI)
Funding entity or bodies:
Unión Europea (H2020-BG-03, EU)
Start-End date: 2019 - 2022
Total amount: 252.500 €
- 3** **Name of the project:** SEGUIMIENTO DE FLORACIONES DE MICROALGAS NOCIVAS: DESARROLLO DE UN MODELO PREDICTIVO
Entity where project took place: Gobierno de Canarias **Type of entity:** VMA
Name principal investigator (PI, Co-PI....): Javier Arístegui
Start-End date: 2019 - 2021
Total amount: 467.000 €
- 4** **Name of the project:** FLUXES: Constraining organic carbon fluxes in an Eastern Boundary Upwelling system (Cape Blanc; NW Africa): the role of non-sinking carbon in the context of the biological pump
Entity where project took place: Universidad de las Palmas de Gran Canaria **Type of entity:** University
City of entity: Las Palmas de Gran Canaria, Canary Islands, Spain
Nº of researchers: 6
Funding entity or bodies:
Ministerio de Ciencia e Innovación. Investigación **Type of entity:** MICINN
City funding entity: Madrid, Community of Madrid, Spain
Start-End date: 2016 - 2018
Total amount: 230.000 €
- 5** **Name of the project:** "Infraestructura: SIMO (Sistema Integrado de Monitorización Oceánica)"
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Ministerio de Ciencia e Innovación (MICINN)



Start-End date: 2010 - 2013

Total amount: 300.000 €

- 6** **Name of the project:** Adquisición de un analizador de partículas para los servicios de identificación y caracterización de muestras oceanográficas, atmosféricas y biotecnológicas
Entity where project took place: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Name principal investigator (PI, Co-PI....): Javier Arístegui
Nº of researchers: 6
Funding entity or bodies: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** MICINN
City funding entity: Madrid, Community of Madrid, Spain
Start date: 2018
- 7** **Name of the project:** Consolidación y potenciación del servicio integral de tecnología marina (SITMA) en tareas de monitorización de la contaminación marina
Entity where project took place: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies: Universidad de las Palmas de Gran Canaria **Type of entity:** University
City funding entity: Las Palmas de Gran Canaria, Canary Islands, Spain
Start date: 2017
Total amount: 21.252 €
- 8** **Name of the project:** Laboratorio de Instrumentación Marina de Altas Prestaciones, Unidad Oceanografía
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies: Ministerio de Economía y Competitividad (MINECO)
Start date: 2014
Total amount: 1.444.714,81 €
- 9** **Name of the project:** "PUMP: Estudio de la bomba vertical oceánica en remolinos a mesoescala"
Name principal investigator (PI, Co-PI....): Pablo Sangrá Inciarte
Funding entity or bodies: Ministerio de Economía y Competitividad
Start date: 2013 **Duration:** 3 years
Total amount: 228.000 €
- 10** **Name of the project:** "HOTMIX: Zonas de mezcla y frentes en el océano oscuro como "hot-spots" de biodiversidad y flujos biogeoquímicos a través del Mediterráneo y Atlántico Nordeste"
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies: Ministerio de Ciencia e Innovación (MICINN)
Start date: 2012 **Duration:** 3 years
Total amount: 193.600 €



- 11 Name of the project:** MALASPINA 2010: Expedición de circunnavegación Malaspina 2010: Cambio Global y exploración de la biodiversidad del océano global
Name principal investigator (PI, Co-PI....): Carlos Duarte Quesada
Funding entity or bodies:
Ministerio de Ciencia e Innovación –Proyecto Consolider.
Start date: 2010 **Duration:** 3 years
Total amount: 4.350.000 €
- 12 Name of the project:** CAIBEX: Intercambio plataforma-océano en el ecosistema marino de la región Canaria-Península Ibérica: Afloramiento de Cabo Guir
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain
Start date: 2007 **Duration:** 3 years
Total amount: 371.470 €
- 13 Name of the project:** GRUP/2005/3
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Gobierno de Canarias **Type of entity:** I+D+i
City funding entity: Las Palmas de Gran Canaria, Canary Islands, Spain
Start date: 2006 **Duration:** 1 year
Total amount: 11.000 €
- 14 Name of the project:** RODA-Fondeo
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain
Start date: 2006 **Duration:** 1 year
Total amount: 90.000 €
- 15 Name of the project:** EUROCEANS – Network of Excellence
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Unión Europea (convocatoria MAST VI)
Start date: 2005 **Duration:** 2 years
- 16 Name of the project:** RODA: Remolinos oceánicos y deposición atmosférica
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
MINISTERIO DE EDUCACION Y CIENCIA
City funding entity: Spain
Start date: 2004 **Duration:** 3 years
Total amount: 230.000 €



- 17** **Name of the project:** Evaluación de técnicas in vitro para estimas de respiración en comunidades acuáticas"
Name principal investigator (PI, Co-PI....): Javier Arístegui
Start date: 2003 **Duration:** 1 year
Total amount: 11.700 €
- 18** **Name of the project:** "ICEPOS: Interacciones complejas en ecosistemas polares"
Name principal investigator (PI, Co-PI....): Carlos Duarte Quesada; Juan Luis Gómez Pinchetti
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 2002 **Duration:** 3 years
Total amount: 126.500 €
- 19** **Name of the project:** OASIS - Oceanic Islands Integrated Systems
Name principal investigator (PI, Co-PI....): Bernd Christiansen; Javier Arístegui
Funding entity or bodies:
Unión Europea (convocatoria MAST V)
Start date: 2002 **Duration:** 3 years
Total amount: 290.000 €
- 20** **Name of the project:** COCA: Flujo de Carbono en la Región Canaria: Acoplamiento Costa-Océano
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT) y Unión Europea.
Start date: 2001 **Duration:** 3 years
Total amount: 131.250 €
- 21** **Name of the project:** Estudio del Sistema del Carbono entre el Afloramiento y las Aguas Oceánicas de la Corriente de Canarias
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 2000 **Duration:** 1 year
Total amount: 9.000 €
- 22** **Name of the project:** Infraestructura: Actualización de Citómetro de Flujo
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Universidad de las Palmas de Gran Canaria **Type of entity:** University
City funding entity: Las Palmas de Gran Canaria, Canary Islands, Spain
Start date: 2000 **Duration:** 2 years
Total amount: 12.000 €
- 23** **Name of the project:** Infraestructura: Citómetro de Flujo
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1999 **Duration:** 1 year
Total amount: 72.000 €



- 24** **Name of the project:** PELAGIC: Pelágicos en Aguas de las Islas Canarias
Name principal investigator (PI, Co-PI....): Santiago Hernández León
Funding entity or bodies:
Unión Europea (FEDER) - Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1999 **Duration:** 2 years
Total amount: 173.000 €
- 25** **Name of the project:** Teledetección: Sistema de recepción y procesamiento de imágenes de satélite (Telesat)
Name principal investigator (PI, Co-PI....): Eduardo Rovaris Romero
Funding entity or bodies:
Unión Europea (FEDER) - Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1999 **Duration:** 2 years
Total amount: 52.178 €
- 26** **Name of the project:** "DOVETAIL: Oceanografía física y productividad en la confluencia Weddell-Scotia"
Name principal investigator (PI, Co-PI....): Marc García; Javier Arístegui
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT)
Start date: 1997 **Duration:** 2 years
Total amount: 43.000 €
- 27** **Name of the project:** MESOPELAGIC: Migración y Estructura de los Sistemas Pelágicos Oceánicos en Aguas de las Islas Canarias
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1997 **Duration:** 3 years
Total amount: 124.260 €
- 28** **Name of the project:** CANIGO: Canary Islands, Azores, Gibraltar Observations.
Name principal investigator (PI, Co-PI....): Gregorio Parrilla; Xavier Niell; Javier Arístegui
Funding entity or bodies:
Unión Europea (convocatoria MAST III)
Start date: 1996 **Duration:** 3 years
Total amount: 37.000 €
- 29** **Name of the project:** FRENTEs: Dinámica, Interacción y Efectos Biológicos de Filamentos, Remolinos y Estelas
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1995 **Duration:** 3 years
Total amount: 267.200 €
- 30** **Name of the project:** Flujo biológico de carbono en la columna de agua en el Océano Antártico
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1995 **Duration:** 1 year



Total amount: 5.000 €

- 31 Name of the project:** Coastal Transition Zone: Islas Canarias (ampliación del Proyecto MAST I)
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1993 **Duration:** 1 year
Total amount: 50.000 €
- 32 Name of the project:** OIMAC: Influencia de las Ondas internas de marea sobre la productividad en aguas costeras de Canarias
Funding entity or bodies:
Gobierno Autónomo de Canarias
Start date: 1993 **Duration:** 2 years
Total amount: 42.000 €
- 33 Name of the project:** Infraestructura: Fluorímetro in situ
Funding entity or bodies:
Fondos FEDER.
Start date: 1992
Total amount: 21.000 €
- 34 Name of the project:** Infraestructura: Sistema de Medición CTD
Funding entity or bodies:
Fondos FEDER.
Start date: 1992
Total amount: 40.000 €
- 35 Name of the project:** Infraestructura: Sistema de Roseta, GO con 24 Botellas Oceanográficas Lever Action
Funding entity or bodies:
Fondos FEDER/MEC.
Start date: 1992
Total amount: 48.000 €
- 36 Name of the project:** Oceanografía Dinámica y Productividad del Estrecho de Bransfield durante el verano austral
Name principal investigator (PI, Co-PI...): Beatriz Morales; Javier Arístegui
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1992 **Duration:** 2 years
Total amount: 57.000 €
- 37 Name of the project:** Oceanografía del Estrecho de Bransfield: parámetros ambientales, productividad y caracterización de sus
Name principal investigator (PI, Co-PI...): Beatriz Morales; Santiago Hernández León
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1991 **Duration:** 1 year
Total amount: 78.000 €



- 38 Name of the project:** Coastal Transition Zone: Islas Canarias
Name principal investigator (PI, Co-PI....): Eric D. Barton; Manuel Cantón
Funding entity or bodies:
Unión Europea (convocatoria MAST I)
Start date: 1990 **Duration:** 3 years
Total amount: 500.000 €
- 39 Name of the project:** "EMIAC: Efecto de Masa de Isla en Aguas del Archipiélago Canario".
Funding entity or bodies:
Gobierno Autónomo de Canarias
Start date: 1989 **Duration:** 2 years
Total amount: 37.000 €
- 40 Name of the project:** "Estudio Biológico de los Fenómenos Causativos del Efecto de Masa de Isla en Aguas del Archipiélago Canario".
Funding entity or bodies:
Comisión Interministerial de Ciencia y Tecnología (CICYT).
Start date: 1989 **Duration:** 2 years
Total amount: 100.000 €
- 41 Name of the project:** "Estudio Ecológico del Litoral de la Playa de Veneguera y Zonas Adyacentes (Costa Oeste de Gran Canaria)".
Funding entity or bodies:
Gobierno Autónomo de Canarias
Start date: 1986 **Duration:** 2 years
Total amount: 16.000 €

R&D non-competitive contracts, agreements or projects with public or private entities

- 1 Name of the project:** Análisis de eventos biológicos marinos anómalos emergentes en relación con datos climáticos y oceanográficos
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Javier Arístegui
Nº of researchers: 3
Funding entity or bodies:
Gobierno de Canarias **Type of entity:** VMA
City funding entity: Las Palmas de Gran Canaria, Canary Islands, Spain
Start date: 2017
Total amount: 18.000 €
- 2 Name of the project:** Contratación del servicio consistente en el análisis de la influencia de la calidad del agua sobre el desarrollo y la evolución de floraciones trichodesmium cofinanciaco por el programa operativo Feder Canarias (2014-2020) y la FCPCT
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): Javier Arístegui
Funding entity or bodies:
Gobierno de Canarias **Type of entity:** VMA



City funding entity: Las Palmas de Gran Canaria, Canary Islands, Spain

Start date: 2017

Total amount: 16.822 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Sánchez-Garrido, J.C., Werner, F.E., Fiechter, J., Rose, K.A., Curchitser, E.N., Ramos, A., García L. Decadal-scale variability of sardine and anchovy simulated with an end-to-end coupled model of the Canary Current ecosystem. *Progress in Oceanography*, 171, pp. 212-230 <https://doi.org/10.1016/j.pocean.2018.12.009>. 2019.

Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.2
- 2** Martínez-Pérez, A.M., Catalá, T. S., Nieto-Cid, M., Otero, J., Álvarez, M., Emelianov, M., Reche, I. Dissolved Organic Matter (DOM) in the open Mediterranean Sea. II. Basin-wide distribution and drivers of fluorescent DOM. *Progress in Oceanography*, 170, 93-106. <https://doi.org/10.1016/j.pocean.2018.10.019>. 2019.

Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.2
- 3** Bach, L.T., Hernández-Hernández, N., Taucher, J., Spisla, C., Sforza, C., Riebesell, U., Arístegui, J. Effects of Elevated CO₂ on a Natural Diatom Community in the Subtropical NE Atlantic. *Frontiers in Marine Science*, <https://doi.org/10.3389/fmars.2019.00075>. 2019.

Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 4** Todd RE., FP Chavez, S Clayton, SE Cravatte, MP Goes, MI Graco, CX Lin, J Sprintall, NV Zilberman,. Global perspectives on observing ocean boundary currents. *Frontiers in Marine Science*. DOI: 10.3389/fmars.2019.00423. 2019.

Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 5** Gómez-Consarnau, L., Raven J.A., Levine, N. M., Cutter, L. S., Wang, D., Seegers, B., Arístegui, J.,. Microbial rhodopsins are major contributors to the solar energy captured in the sea. *Science Advances*, 5, doi: 10.1126/sciadv.aaw8855. 2019.

Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 12.8



- 6** Ortega-Retuerta, E., Mazuecos, I.P., Reche, I., Gasol, J.M., Álvarez-Salgado, X.A., Álvarez, M., Mon. Transparent Exopolymer Particle (TEP) distribution and in situ prokaryotic generation across the deep Mediterranean Sea and nearby North East Atlantic Ocean. *Progress in Oceanography*, 173, 180-191. <https://doi.org/10.1016/j.pocean.2019.03.002>. 2019.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.2
- 7** Hernández-León, S, S Putzeys, C Almeida, P Bécognée, A Marrero-Díaz, J Arístegui, L Yebra. Carbon export through zooplankton active flux in the Canary Current. *Journal of Marine Systems*, 189: 12-21. doi: 10.1016/j.jmarsys.2018.09.002. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 2.3
- 8** Catalá, T. S., Martínez-Pérez, A.M., Nieto-Cid, M., Álvarez, M., Otero, J., Emelianov, M., Reche, I. Dissolved Organic Matter (DOM) in the open Mediterranean Sea. I. Basin-wide distribution and drivers of chromophoric DOM. *Progress in Oceanography*, 165, 35-51. <https://doi.org/10.1016/j.pocean.2018.05.002>. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.2
- 9** Hernández-Hernández N, L. Bach, M.F. Montero, J. Taucher, I. Baños, W. Guan, M. Espósito, A. Ludwig,. High CO₂ under nutrient fertilization increases primary production and biomass in subtropical phytoplankton communities: a mesocosm approach. *Frontiers in Marine Science* 5, 213. doi: 10.3389/fmars.2018.00213. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 10** Gómez-Letona, M, J Arístegui, AG Ramos, MF Montero, JM Coca. Lack of impact of the El Hierro (Canary Islands) submarine volcanic eruption on the local phytoplankton community. *Nature Scientific Reports*, 8: :4667 | DOI:10.1038/s41598-018-22967-6. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 4.1
- 11** Hopwood M, Riebesell U, Arístegui J, Ludwig A, Achterberg EP, Hernández N. Photochemical vs. Bacterial Control of H₂O₂ Concentration Across a pCO₂ Gradient Mesocosm Experiment in the Subtropical North Atlantic. *Frontiers in Marine Science* 5, 105. doi: 10.3389/fmars.2018.00105. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 12** Filella A., I. Baños, M.F. Montero, N. Hernández-Hernández, A. Rodríguez-Santos, A. Ludwig, U. Riebes. Plankton community respiration and ETS activity under variable CO₂ and nutrient fertilization during a mesocosm study in the subtropical North Atlantic. *Frontiers in Marine Science* 5, 310. doi: 10.3389/fmars.2018.00310. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1

- 13** Taucher J., J. Arístegui, L.T.Bach, W.Guan, M.F. Montero, A. Nauendorf, E.P. Achtenberg, U. Riebesel. Response of subtropical phytoplankton communities to ocean acidification under oligotrophic conditions and during nutrient fertilization. *Frontiers in Marine Science* 5, 330. doi: 10.3389/fmars.2018.00330. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 14** Riebesell U, N Aberle-Malzahn, EP Achtenberg, M Algueró-Muñiz, S Alvarez-Fernandez, J Arístegui, Ba. Toxic algal bloom induced by ocean acidification disrupts the pelagic food web. *Nature Climate Change*, 8, 1082–1086. <https://doi.org/10.1038/s41558-018-0344-1>. 2018.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 19.2
- 15** Hopwood, M.J., Sánchez, N., Polyviou, D., Leiknes, Ø., Gallego-Urrea, J., Achtenberg, E.P., Ardelan,. Trace chemical species in marine incubation experiments, part A. Experiment design and bacterial abundance control extracellular H₂O₂ concentrations. *Biogeosciences Discussions*, 1-26 <http://dx.doi.org/10.5194/bg-2018-247>. 2018.
Type of production: Scientific paper
- 16** Bàrbara Barceló-Llull, Enric Pallàs-Sanz, Pablo Sangrà, Antonio Martínez-Marrero,; Sheila N Estrada-Allis, Javier Arístegui. Ageostrophic Secondary Circulation in a Subtropical Intrathermocline Eddy. *Journal of Physical Oceanography* 47 (5), 1107-1123. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 17** Bàrbara Barceló-Llull, Pablo Sangrà, Enric Pallàs-Sanz, Eric D Barton,; Sheila N Estrada-Allis, Antonio Martínez-Marrero, Borja Aguiar-González, Diana Grisolia,; Carmen Gordo, Ángel Rodríguez-Santana, Ángeles Marrero-Díaz, Javier Arístegui. Anatomy of a subtropical intrathermocline eddy. *Deep Sea Research Part I: Oceanographic Research Papers* 124, 126-139. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 2.8
- 18** AM Martínez-Pérez, XA Álvarez-Salgado, J Arístegui, M Nieto-Cid. Deep-ocean dissolved organic matter reactivity along the Mediterranean Sea: does size matter?. *Nature Scientific Reports* 7 (1), 5687. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 4.1
- 19** F Baltar, J Arístegui. Fronts at the surface ocean can shape distinct regions of microbial activity and community assemblages down to the bathypelagic zone: The Azores front as a case study. *Frontiers in Marine Science* 4, 252. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1



- 20** Jan Taucher, Lennart T Bach, Tim Boxhammer, Alice Nauendorf, Eric P Achterberg, María Algueró-Muñiz,; Javier Arístegui, Jan Czerny, Mario Esposito, Wanchun Guan, Mathias Haunost, Henriette G Horn,; Andrea Ludwig, Jana Meyer, Carsten Spisla, Michael Sswat, Paul Stange, Ulf Riebesell. Influence of Ocean Acidification and Deep Water Upwelling on Oligotrophic Plankton Communities in the Subtropical North Atlantic: Insights from an In situ Mesocosm Study. *Frontiers in Marine Science*, 4, 85. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 21** Laura Gómez-Consarnau, Naomi M Levine, Lynda S Cutter, Deli Wang, Brian Seegers, Javier Arístegui,; Jed A Fuhrman, Josep M Gasol, Sergio A Sañudo-Wilhelmy. Marine proteorhodopsins rival photosynthesis in solar energy capture. *bioRxiv*, 231167. 2017.
Type of production: Scientific paper
- 22** Yeray Santana-Falcón, Xosé Antón Álvarez-Salgado, María Dolores Pérez-Hernández,; Alonso Hernández-Guerra, Evan Mason, Javier Arístegui. Organic carbon budget for the eastern boundary of the North Atlantic subtropical gyre: major role of DOC in mesopelagic respiration. *Nature Scientific reports* 7 (1), 10129. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 4.1
- 23** M Gómez-Letona, AG Ramos, J Coca, J Arístegui. Trends in Primary Production in the Canary Current Upwelling System—A Regional Perspective Comparing Remote Sensing Models. *Frontiers in Marine Science* 4, 370. 2017.
Type of production: Scientific paper
Impact source: WOS (JCR)
Impact index in year of publication: 3.1
- 24** Benavides, M; S Bonet; N Hernandez; AM Martínez-Perez; M Nieto-Cid; XA Álvarez-Salgado; I Baños; MF Montero; IP Mazuecos; JM Gasol; T Dittmar; I Berman-Frank; J Arístegui. Basin-wide aphotic N₂ fixation in the Mediterranean Sea. *Global Biogeochemical Cycles*, 30:952-961. 2016.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.5
- 25** Benavides, M.; PH Moisander; MC Daley; A Bode; J Arístegui. Longitudinal variability of diazotroph abundances in the subtropical North Atlantic Ocean. *Journal of Plankton Research*. 1–11. doi:10.1093/plankt/fbv121. 2016.
Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 2.5
- 26** Fernández-Castro, B; J. Arístegui; L. Anderson; M. F. Montero; S. Hernández-León; E. Marañón; B. Mouriño-Carballido. Mesopelagic respiration at the ESTOC (European Station for Time-Series in the Ocean, 15.5oW, 29.1oN) site inferred from a tracer conservation model. *Deep-Sea Research I*, 115:63-73. 2016.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.7



- 27** Figueiras, FG; B Arbones; MF Montero; ED Barton; J Arístegui. Photophysiological variability and its influence on primary production in the NW Africa-Canary Islands coastal transition zone. *Journal of Marine Systems* 157 (2016) 92–100. 2016.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.3
- 28** Santana-Falcón, Y; M. Benavides; P. Sangrá; E. Mason; ED Barton; A. Orbí; J. Arístegui. Coastal- offshore exchange of organic matter across the Cape Ghir filament (NW Africa) during moderate upwelling. *Journal of Marine Systems* doi:10.1016/j.jmarsys.2015.10.008. 2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.3
- 29** Organic matter dynamics in the Canary Current. En: *Oceanographic and Biological Features in the Canary Current Large Marine Ecosystem*. IOC-UNESCO Technical Series 115, chapter 4.3, pp. 151–159. 2015.
Type of production: Scientific paper
- 30** Mazuecos, I.P., J. Arístegui, E. Vázquez-Domínguez, E. Ortega-Retuerta, J. M. Gasol, I. Reche. Temperature control of microbial respiration and growth efficiency in the mesopelagic zone of the south Atlantic and Indian Oceans. *Deep Sea Research I*, (95): 131-138. 2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.2
- 31** Sangrà, P; C. Troupin; B. Barreiro-González; ED Barton; A. Orbí; J Arístegui. The Cape Ghir filament system in August 2009 (NW Africa). *Journal of Geophysical Research: Oceans*, 120, 4516–4533, doi:10.1002/2014JC010514.2015.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 3.2
- 32** Ferrera, I; J. Arístegui; JM González; MF Montero; E. Fraile-Nuez; JM Gasol. Transient changes in bacterioplankton communities induced by the submarine volcanic eruption of El Hierro (Canary Islands). *PLoS ONE* 10(2). <http://dx.doi.org/10.1371/journal.pone.0118136>. 2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 3.7
- 33** Vaqué D; L Alonso-Sáez; J Arístegui; S Agustí; CM Duarte; MM Sala; E Vázquez-Domínguez; JM Gasol. Bacterial production and losses along an open ocean productivity gradient in the Subtropical North East Atlantic Ocean. *Journal of Plankton Research*, 36(1): 198-213. 2014.
Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.4
- 34** Arcos-Pulido, A.; M, Rodríguez-Santana; M. Emelianov; V. Paka; J. Arístegui; M. Benavides; P. Sangrá; F. Machín; L. García-Weil; S. Estrada-Allis. Diapycnal nutrient fluxes on the northern boundary of Cape Ghir Upwelling Region. *Deep Sea Research Part I: Oceanographic Research Papers*, 84:100-109. 2014.



Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 2.8

Format: Journal

- 35** Agawin NSR; M Benavides; A Busquets; P Ferriol; LJ Stal; J Arístegui. Dominance of unicellular cyanobacteria in the diazotrophic community in the Atlantic Ocean. *Limnology & Oceanography*, 59 (2): 623-637. 2014.

Type of production: Scientific paper
Impact source: ISI
Impact index in year of publication: 4.1

- 36** Arístegui, J.; C.M. Duarte; I. Reche; J.L. Gómez-Pinchetti. Krill excretion boosts microbial activity in the Southern Ocean. *PlosOne* 9(2): e89391, doi:10.1371/journal.pone.0089391. 2014.

Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 3.7

- 37** Benavides, M., Y. Santana-Falcón, N. Wasmund, J. Arístegui. Microbial uptake and regeneration of inorganic nitrogen off the coastal Namibian upwelling system. *Journal of Marine Systems*, 140: 123-129. 2014.

Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 2.8

- 38** Coca, J.,; T. Ohde,; A. Redondo,; L. García-Weil,; M. Santana-Casiano, M. González-Dávila, J. Arístegui, E. Fraile Nuez A. G. Ramos,. Remote sensing of the El Hierro submarine volcanic eruption plume. *International Journal of Remote Sensing*, 35(17), 6573-6598. 2014.

Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 1.4

- 39** Ariza, A.; S. Kaartvedt; JC Garijo; J. Arístegui; A. Rostadt; E. Fraile-Nuez; S. Hernández-León. The Submarine Volcano Eruption off El Hierro Island: Effects on the Scattering Migrant Biota and the Evolution of the Pelagic Communities. *PLoS ONE* 9(7): e102354. doi:10.1371/journal.pone.0102354. 2014.

Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 3.7

- 40** Anabalón, V; J. Arístegui; C.E. Morales; I. Andrade; M. Benavides; M.A. Correa-Ramírez; M. Espino; O. Ettahiri; S. Hormazabal; A. Makaoui; M.F. Montero; A. Orbi. The structure of planktonic communities under variable coastal upwelling conditions off Cape Ghir (31°N) in the Canary Current System (NW Africa). *Progress in Oceanography*, 120:320-339. 2014.

Type of production: Scientific paper
Format: Journal
Impact source: ISI
Impact index in year of publication: 4.1

- 41** Benavides M; J Arístegui; NSR Agawin; XA Álvarez-Salgado; M Álvarez; C Troupin. Low contribution of N₂ fixation to new production and excess nitrogen in the subtropical northeast Atlantic margin. *Deep Sea Research Part I: Oceanographic Research Papers*, 81:36-48. 2013.

Type of production: Scientific paper



Impact source: ISI

Impact index in year of publication: 2.8

- 42** Baltar F.; J. Arístegui; J.M. Gasol; T. Yokokawa; G.J. Herndl. Bacterial versus Archaeal origin of extracellular enzymatic activity in the northeast Atlantic waters. *Microbial Ecology*, 65(2): 277-288. 2013.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 2.9

- 43** Benavides M.; N.S.R. Agawin; J. Arístegui; J. Peene; L. Stal. Dissolved organic nitrogen and carbon release by a marine unicellular diazotrophic cyanobacterium. *Aquatic Microbial Ecology*, 69:69-80. 2013.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 2.7

- 44** Benavides M.; J. Arístegui; N.S.R. Agawin; J.L. López Cancio.; S. Hernández-León. Enhancement of nitrogen fixation rates by unicellular diazotrophs versus *Trichodesmium* after a dust deposition event in the Canary Islands. *Limnology and Oceanography*, 58: 267-275. 2013.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 4.1

- 45** O'Brien C.J.; J.A. Peloquin; M. Vogt; M. Heinle; N. Gruber; P. Ajani; H. Andruleit; J. Arístegui; L. Beaufort; M. Estrada; D. Karentz; E. Kopczynska; R. Lee; T. Pritchard; C. Widdicombe. Global marine plankton functional type biomass distributions: Coccolithophores. *Earth Syst. Sci. Data*, 5:259-276. 2013.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: Pendiente 2014

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- 47** Benavides M; DA Bronk; NSR Agawin; MD Pérez_Hernández; A Hernández-Gerra; J Arístegui. Longitudinal variability of size-fractionated N₂ fixation and DON release rates along 24.5°N in the subtropical North Atlantic. *Journal of Geophysical Research: Oceans*, 118 (4), <http://dx.doi.org/10.1002/jgrc.20253>. 2013.

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- 48** Leblanc K.; J. Arístegui; L. Armand; P. Assmy; B. Beker; A. Bode; E. Breton; V. Cornet; J. Gibson; M.P. Gosselin; E. Kopczynska; H. Marshall; J. Peloquin; S. Piontkovski; A.J. Poulton; B. Quéguiner; R. Schiebel; R. Shipe; J. Stefels; M.A. van Leeuwe; M. Varela; C. Widdicombe; M. Yallop. Diatoms: A global database – abundance, biovolume and biomass in the world ocean. *Earth Syst. Sci. Data*, 4, 149-165. 2012.

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- 52** Fraile-Nuez E.; M. González-Dávila; J.M. Santana-Casiano; J. Arístegui; I.J. Alonso-González; S. Hernández-León; M.J. Blanco; A. Rodríguez-Santana; A. Hernández-Guerra; M.D. Gelado-Caballero; F. Eugenio; J. Marcello; D. de Armas; J.F. Domínguez-Yanes; M.F. Montero; D.R. Laetsch; P. Vélez-Belchí; A. Ramos; A.V. Ariza; I. Comas-Rodríguez; V.M. Benítez-Barrios. The submarine volcano eruption of El Hierro Island: physical-chemical perturbation and biological response. *Nature Scientific Reports*, 2: 486 | DOI: 10.1038/srep00486. 2012.
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- 116** Sangrá P.; G. Basterretxea; J.L. Pelegrí; J. Arístegui. Chlorophyll increase by internal waves in the shelf-break of Gran Canaria (Canary Islands). *Scientia Marina*, 65: 89-97. 6, 2001.

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Format: Journal

Impact source: ISI

Impact index in year of publication: 1.4

- 117** Duarte C.M.; S. Agustí; J. Arístegui; N. González; R. Anadón. Evidence for a heterotrophic subtropical northeast Atlantic. *Limnology and Oceanography*, 46 (2): 425-428. 2001.

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Format: Journal

Impact source: ISI

Impact index in year of publication: 4.1

- 118** Pelegrí J.L.; I. Alonso; J. Arístegui. The ocean, our climate and the earth's health. *Scientia Marina*, 65: 3-5. 2001.

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Format: Journal

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Impact index in year of publication: 1.4

- 119** Arístegui J.; S. Hernández-León; M.F. Montero; M. Gómez. The seasonal planktonic cycle in coastal waters of the Canary Islands. *Scientia Marina* 65: 51-58. 2001.

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Format: Journal

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- 120** Hernández-León S.; C. Almeida; L. Yebra; J. Arístegui; M.L. Fernández de Puellas; J. García-Braun. Zooplankton biomass in subtropical waters: Is there a lunar cycle?. *Scientia Marina*, 65: 59-64. 2001.

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- 121** Basterretxea G.; J. Arístegui. Mesoscale variability in phytoplankton biomass distribution and photosynthetic parameters in the Canary – NW African coast transition zone. *Marine Ecology Progress Series*, 197: 27-40. 2000.

Type of production: Scientific paper

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Impact index in year of publication: 3.2



- 122** Barton E.D.; G. Basterretxea; P. Flament; E.G. Mitchelson; B. Jones; J. Arístegui; F. Herrera. The lee region of Gran Canaria. *Journal of Geophysical Research*, 105 (C7): 17.173-17.193. 2000.
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Impact index in year of publication: 3.5
- 123** Almunia J.; G. Basterretxea; J. Arístegui; R.E. Ulanowicz. Benthic-pelagic switching in a coastal subtropical lagoon. *Estuarine, Coastal and Shelf Science*, 49: 363-384. 1999.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI
Impact index in year of publication: 2.5
- 124** Hernández-León S.; L. Postel; J. Arístegui; M. Gómez; M.F. Montero; S. Torres; C. Almeida; E. Kühner; U. Brenning; E. Hagen. Large-scale and mesoscale distribution of plankton biomass and metabolic activity in the Northeastern Central Atlantic. *Journal of Oceanography* 55: 471-482. 1999.
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- 125** Hernández-León S.; J. Arístegui; M. Gómez; S. Torres; C. Almeida; M.F. Montero; A. Ojeda. Mesozooplankton metabolism and its effect on chlorophyll and primary production in slope waters of the Canary Islands. *Annales de L'Institut Oceanographique de Paris*, 74: 127-138. 1998.
Type of production: Scientific paper **Format:** Journal
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- 126** Barton E.D.; J. Arístegui; P. Tett; M. Cantón; J. García-Braun; S. Hernández-León; L. Nykjaer; C. Almeida; J. Almunia; S. Ballesteros; G. Basterretxea; J. Escáñez; L. García-Weill; A. Hernández-Guerra; F. López-Latzen; R. Molina; M.F. Montero; E. Navarro-Pérez; K. Van Lenning; H. Vélez; K. Wild. The transition zone of the Canary Current upwelling region. *Progress in Oceanography*, 41: 455-504. 1998.
Type of production: Scientific paper **Format:** Journal
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- 127** Arístegui J.; P. Tett; A. Hernández-Guerra; G. Basterretxea; M.F. Montero; K. Wild; P. Sangrá; S. Hernández-León; M. Cantón; J.A. García-Braun; M. Pacheco; E.D. Barton. The influence of island-generated eddies on chlorophyll distribution: a study of mesoscale variation around Gran Canaria. *Deep-Sea Research I*, 44: 71-96. 1997.
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- 128** Arístegui J.; J. Almunia; M. Denis. Variation spatiale et temporelle de l'activité respiratoire des assemblages microbiens au cours de la campagne ANTARES 3 (printemps austral). *Pub. Inst. Fr. Recherche et Technologie Polaires*, 97 (2): 181-189. 1997.
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- 129** Rojas P.; O. López; M.A. García; J. Arístegui; S. Torres; S. Hernández-León; G. Basterrechea; B. Amengual; J. Escamez; B. Morales. Hidrografía del Estrecho de Bransfield durante el verano austral 91/92. *Actas V Simposio de Estudios Antárticos*: 403-411. 1996.



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- 131** Basterretxea G.; J. Arístegui. Modelos de producción primaria en el Estrecho de Bransfield. Actas del Vº Simposio de Estudios Antárticos: 21-38. 1996.

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Impact source: ISI

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Type of production: Scientific paper **Format:** Journal

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Impact index in year of publication: 3.2

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Impact source: ISI

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Impact source: ISI

Impact index in year of publication: 2.5



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- 139** Hernández-León S.; L. Postel; J. Arístegui; M. Gómez; M.F. Montero; S. Torres; C. Almeida; E. Kühner; U. Brenning; E. Hagen. Large scale and mesoscale patterns of metabolic activity of epipelagic micro and mesoplankton in the Northeastern Central Atlantic at 21°N. *International Council for the Exploration of the Sea. Biological Oceanography Committee. C.M.* 1992/L20: 1-7. 1992.
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- 145** Arístegui J.; A. Brito; T. Cruz; J.J. Bacallado; J. Barquín; J. Núñez; G. Pérez-Dionis. El poblamiento de los fondos de *Dendrophyllia ramea* (Anthozoa, Scleractinia) en las Islas Canarias. *Cuadernos Marisqueros, Publ. Téc.*, 11: 163-181. 1987.
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- 146** Arístegui J. Introducción al estudio de las comunidades de briozoos más representativas del litoral de las Islas Canarias. *Cahiers de Biologie Marine*, 28: 323-338. 1987.
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- 147** Arístegui J.; T. Cruz. Consideraciones biogeográficas sobre el orden Cheilostomata (Ectoprocta) en Canarias. *Vieraea*, 16: 161-171. 1986.
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- 148** Arístegui J. Una especie nueva de Briozoo en los fondos detríticos de Canarias: *Escharella hexaespínosa* sp. nov. *Vieraea*, 16: 183-187. 1986.
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Impact source: ISI
Impact index in year of publication: 0.7
- 150** Arístegui J. Fauna de Briozoos Quilostomados (Ectoprocta, Cheilostomata) de Canarias. *Actas do IVº Simpósio Ibérico de Estudos do Benthos Marinho*. Lisboa, 3: 297-310. 1984.
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- 151** Gasol J.M.; J. Arístegui. El océano profundo: Su exploración y su relevancia en los ciclos biogeoquímicos. In: M.A. Samper & S. Rebock (eds), *España Explora, Malaspina 2010. Cambio Global y Biodiversidad en el Océano*. Lunwerg, 207-217. 2012.
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- 152** White M.; I. Bashmachnikov; J. Arístegui; A. Martins. Physical Processes and Seamount Productivity. In: T. Pitcher, T. Morato, P. Hart, M. Clark, N. Haggan & R. Santos (eds.), *Seamounts: Ecology, Fisheries & Conservation*. Blackwell Pub.: 65-84. 2007.
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- 153** Arístegui J.; X.A. Alvarez-Salgado; E.D. Barton; F.G. Figueiras; S. Hernández León; C. Roy; A.M.P. Santos. Oceanography and Fisheries of the Canary Current/Iberian region of the Eastern North Atlantic. In: A.R. Robinson & K.W. Brink (ed.). *THE SEA: Volume 14B – The Global Coastal Ocean: Interdisciplinary Regional Studies and Syntheses*. Harvard University Press. pp: 877-931. 2006.
Type of production: Book chapter **Format:** Book
- 154** Arístegui J.; S. Agustí; J. Middelburg; C.M. Duarte. Respiration in the mesopelagic and bathypelagic zones of the oceans. In: P. Del Giorgio, P.J. LeB Williams (eds). *Respiration in Aquatic Ecosystems*. Oxford Univ. Press.: 182-206. 2005.
Type of production: Book chapter **Format:** Book
- 155** Pelegrí J.L.; I. Alonso; J. Arístegui (eds.). *An Interdisciplinary View of the Ocean*. *Scientia Marina*, 65 (suppl.1): 1-304. 2001.
Type of production: Scientific book or monograph **Format:** Book



- 156** Arístegui J. Estudio Faunístico y Ecológico de los Briozoos Quilostomados (Ectoprocta, Cheilostomata) del Circalitoral de Tenerife. Sec. Pub. Univ. La Laguna. Monografías, 13: 1-266. 1984.
Type of production: Scientific book or monograph **Format:** Book
- 157** Hans-Otto Pörtner; David M Karl.; Philip W Boyd; William Cheung; SE Lluch-Cota; Yukihiro Nojiri; Daniela N Schmidt; Peter O Zavialov; Jürgen Alheit; Javier Arístegui; Others. Climate Change 2014: Impacts, Adaptation, and Vulnerability. Part A: Global and Sectoral Aspects. 1. Contribution of Working Group II to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change. Chapter 30 –The Oceans. Cambridge University Press. pp: 411-484. Cambridge University Press, 2014.
Type of production: Scientific-technical report

Works submitted to national or international conferences

- 1** **Title of the work:** Patterns of depth-dependent variation in microbial abundances, activities and single-cell characteristics across the tropical and subtropical global ocean
Name of the conference: Symposium of Aquatic Microbial Ecology (SAME) 16
City of event: POTSDAM, Germany
Date of event: 09/2019
Josep M. Gasol, Laura Alonso-Sáez, Javier Arístegui, Jesus M. Arrieta, Begoña Ayo, Íñigo Azúa, Zuri.
- 2** **Title of the work:** Prokaryotic live and survival in the deep ocean
Name of the conference: 1st Meeting of the Iberian Ecological Society & XIV AEET Meeting
City of event: Barcelona, Spain
Date of event: 02/2019
Marta Sebastián, Pablo Sánchez, Markel Gómez-Iletona, Jean-Mainguy, Clara Ruiz-González, Cèlia Marras.
- 3** **Title of the work:** Snapshots of prokaryote communities in the Mediterranean Sea reveal high spatial structuring by depth and basin
Name of the conference: SAME15-15th Symposium on Aquatic Microbial Ecology
City of event: Zagreb, Croatia
Date of event: 03/09/2017
Eva Ortega_Retuerta; Marta Sebastián; Laura Gómez-Consarnau; Marina Zamanillo; Marta Álvarez; Xosé A Álvarez Salgado; Javier Arístegui; Josep M Gasol.
- 4** **Title of the work:** Population distribution and biomass variability of sardine and anchovy in the Canary current system as simulated by an end-to-end coupled model
Name of the conference: IUGG Joint Assembly 2017
City of event: Málaga, Spain
Date of event: 08/2017
Sánchez Garrido JC, Werner F, Gonzalez Ramos A, Flechter J, Curtichser E, García La Fuente J.; Arístegui J, Hernandez León S, Rodríguez Santana A.
- 5** **Title of the work:** Quantifying proteorhodopsin in the sea
Name of the conference: International Symposium on Microbial Ecology (ISME16)
City of event: Montreal, Canada
Date of event: 21/08/2016
1; Gómez-Consarnau L; NM Levine; LS Cutter; D Wang; B Seegers; XA Alvarez Salgado; J Arístegui; JA Fuhrman; JM Gasol; SA Sañudo-Wilhelmy.



- 6** **Title of the work:** Assessing the size-reactivity continuum of dissolved organic matter (DOM) across the Mediterranean Sea
Name of the conference: Aquatic Science Meeting (ASLO)
City of event: Granada, Spain
Date of event: 24/02/2015
Nieto-Cid, M, AM Martínez-Pérez, TS Catalá, H San-León, J Arístegui, XA Alvarez-Salgado.
- 7** **Title of the work:** A tale of the biogeochemistry and microbial ecology of a parcel of water transported by the Cape Guir filament (NW Africa): A lagrangian view
Name of the conference: Aquatic Science Meeting (ASLO)
City of event: Granada, Spain
Date of event: 24/02/2015
Alvarez-Salgado, XA, J Arístegui, F Alonso-Pérez, V Anabalón, F Baltar, M Benavides,; M Espino, M Froján, R Graña, MF Montero.
- 8** **Title of the work:** Annual Cycle of offshore transport of organic matter by an upwelling filament off Cape Guir (NW Africa)
Name of the conference: Aquatic Science Meeting (ASLO)
City of event: Granada, Spain
Date of event: 24/02/2015
Santana-Falcón, Y, M Benavides, P Sangrá, E Mason, ED Barton, J Arístegui.
- 9** **Title of the work:** Prokaryotes as drivers of exopolymer particles in the Mediterranean Sea and the subtropical Northeast Atlantic Ocean
Name of the conference: Aquatic Science Meeting (ASLO)
City of event: Granada, Spain
Date of event: 24/02/2015
Mazuecos IP, J Arístegui, JM Gasol, I Baños, M Espino, N Hernández, MF Montero, I Reche.
- 10** **Title of the work:** The hidden life in eddies
Name of the conference: Aquatic Science Meeting (ASLO)
City of event: Granada, Spain
Date of event: 24/02/2015
Arístegui J, P Sangrá, I. Alonso, I Baños, B. Barceló, N Hernández, MF Montero, ED Barton.
- 11** **Title of the work:** An annual cycle of the offshore transport of organic matter and chlorophyll by an upwelling filament off Cape Ghir (NW Africa).
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias.,
Date of event: 06/2014
Santana-Falcón, Y., M. Benavides, ED. Barton, P. Sangrá, E. Mason, J. Arístegui.
- 12** **Title of the work:** Are tetrazolium salts a reliable proxy to assess in vivo respiratory activity in natural marine communities?
Name of the conference: Simposio Internacional de Ciencias del Mar
Date of event: 06/2014
Baños, I., MF Montero, J. Arístegui.
- 13** **Title of the work:** Biophysical model coupling ROMS and PISCES in the Canary Current Ecosystem.
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias,



Date of event: 06/2014

Santana-Falcón, Y., E. Mason, J. Arístegui.

- 14 Title of the work:** Biovolume variability in natural populations of picoplankton and nanoplankton from the Canary Current región.
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias,
Date of event: 06/2014
Montero, M.F., Arístegui, J., Anabalón, V., Hernández-León, S., Gómez-Pinchetti, J.L.
- 15 Title of the work:** Effects of the submarine volcanic eruption of El Hierro (Canary Islands) on the bacterioplankton communities of the surrounding
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias,
Date of event: 06/2014
Ferrera, I., Gasol, J.M., González, J.M., Montero, M.F., Fraile-Nuez, E., Arístegui, J.
- 16 Title of the work:** Monitoring the oceanic waters of the Canary Islands: the deep hydrographic section of the Canaries.
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias,
Date of event: 06/2014
Vélez-Belchí, P., Hernández-Guerra, A., Barrera, C., Fraile-Nuez, E., Barrera, A., Llinas, O.; Benítez Barrios, V., Domínguez, F., Alonso-González, I., González Dávila, M., Santana Casiano, J.M.; Hernández Brito, J.J., Presas Navarro, C., Arístegui Ruiz, J., Comas Rodríguez, I.; Carlos Garijo Lopez, J.C., Hernández León, S., Pérez Hernández, M.D., Rodríguez Santana, A., Sosa D.
- 17 Title of the work:** Short-term variability of picoplankton across the wind-shear region south of Gran Canaria
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias,
Date of event: 06/2014
Hernández, N., J. Arístegui.
- 18 Title of the work:** Suspended” particulate organic matter: A major unconsidered carbon sink in the ocean? (Plenary talk)
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de GC, Islas Canarias.,
Date of event: 06/2014
Arístegui, J.
- 19 Title of the work:** The submarine volcano eruption off El Hierro Island: Effects on the scattering migrant biota and the evolution of the pelagic communities.
Name of the conference: Simposio Internacional de Ciencias del Mar
City of event: Las Palmas de Gran Canaria, Spain
Date of event: 06/2014
Ariza, V.A; A. Kaartvedt; A. Røstad, J.C. Garijo, J. Arístegui, E. Fraile-Nuez and S. Hernández-León.
- 20 Title of the work:** Variability in primary production, carbon stocks and fluxes, plankton community structure and metabolic balance, along the Cape Guir filament (NW Africa): A lagrangian approach
Name of the conference: Primary Production in the Ocean: from the synoptic to the global scale (45th International Liege Colloquium)
Type of event: Conference



City of event: Liege, Belgium

Date of event: 13/05/2013

End date: 17/05/2013

J. Arístegui; X.A. Álvarez-Salgado; F. Alonso-Pérez; V. Anabalón; F. Baltar; M. Benavides; M. Espino; F. G. Figueiras; M. Froján; R. Graña; M.F. Montero; X.A. Padín; F.F. Pérez; T. Reinthaler; A. F. Ríos; G. Rosón; P. Sangrà; I.G. Teixeira; C. Troupin; E.D. Barton.

21 Title of the work: The structure of planktonic communities under variable coastal upwelling conditions off Cape Ghir (31°N), in the Canary Current System (NW Africa)

Name of the conference: Primary Production in the Ocean: from the synoptic to the global scale (45th International Liege Colloquium)

Type of event: Conference

City of event: Liege, Belgium

Date of event: 13/05/2013

End date: 17/05/2013

V. Anabalón; J. Arístegui; C.E. Morales; I. Andrade; M. Benavides; M.A. Correa-Ramírez; M. Espino; O. Ettahiri; S. Hormazabal; A. Makaoui; M.F. Montero; A. Orbi.

22 Title of the work: Global distribution of exopolymeric particles in the ocean

Name of the conference: Oceans of Change. American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting

City of event: Otsu, Japan

Date of event: 07/2012

Pérez-Mazuecos I.; E. Ortega-Retuerta; J. Arístegui; J.M. Gasol; I. Reche.

23 Title of the work: Diapycnal nutrient fluxes in the Cape Ghir upwelling region

Name of the conference: European Geophysical Union (EGU) General Assembly

City of event: Viena, Austria

Date of event: 04/2012

Arcos-Pulido M.; A. Rodríguez-Santana; M. Emelianov; V. Paka; J. Arístegui; P. Sangrà; F. Machín; L. García-Weil.

24 Title of the work: A biophysical modeling approach to the Canary Current Ecosystem

Name of the conference: ISMS12 International Symposium in Marine Sciences

City of event: Cádiz, Spain

Date of event: 01/2012

Santana-Falcón Y.; E. Mason; J. Arístegui.

25 Title of the work: Nitrogen fixation by Trichodesmium and small diazotrophs in the subtropical northeast Atlantic

Name of the conference: ISMS12 International Symposium in Marine Sciences

City of event: Cádiz, Spain

Date of event: 01/2012

Benavides M.; N.S.R. Agawin; J. Arístegui; P. Ferriol; L.J. Stal.

26 Title of the work: Bacterial versus archaeal origin of extracellular enzymatic activity in the northeast Atlantic deep waters

Name of the conference: SAME-12 Conference

City of event: Rostock, Germany

Date of event: 09/2011

Baltar F.; J. Arístegui; J.M. Gasol; T. Yokokawa; G.J. Herndl.



- 27** **Title of the work:** Shelf-ocean exchanges in the Canaries-Iberian Large Marine Ecosystems (CAIBEX)
Name of the conference: The 43rd International Liege Colloquium on Ocean Dynamics
City of event: Liege, Belgium
Date of event: 05/2011
Barton J.; J. Arístegui; X.A. Álvarez-Salgado; F. Pérez; A. González; P. Miller; G. Roson; A. Orbi; P. Sangrá; Caibex Team.
- 28** **Title of the work:** The IMBER Project: Connections to tracers and traces
Name of the conference: The 43rd International Liege Colloquium on Ocean Dynamics
City of event: Liege, Belgium
Date of event: 05/2011
Arístegui J.
- 29** **Title of the work:** Microbial carbon cycling in the meso- and bathypelagic North Atlantic
Name of the conference: American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting
City of event: Puerto Rico, Puerto Rico
Date of event: 02/2011
Herndl G.J.; A.B. Bochdansky; F. Baltar; J. Arístegui; T. Reinthaler.
- 30** **Title of the work:** Testing models to detect Trichodesmium spp. Presence in the Canary Islands region
Name of the conference: American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting
City of event: Puerto Rico, Puerto Rico
Date of event: 02/2011
Pascuali L.; H. Demarcq; J. Arístegui.
- 31** **Title of the work:** The Canary Islands CTZ region: Ecosystem response to the interplay between upwelling filaments, eddies and island wakes
Name of the conference: Influence of meso- and submesoscale ocean dynamics on the global carbon cycle and marine ecosystems
City of event: Brittany, France
Date of event: 06/2010
Organising entity: Euroceans
Arístegui J.; E.D. Barton; P. Sangrá; E. Mason.
- 32** **Title of the work:** The deep (dark) ocean: Changing paradigms in a changing ocean
Name of the conference: An IMBER Challenger. IMBER SSC Meeting
City of event: Washington, United States of America
Date of event: 05/2010
- 33** **Title of the work:** High-resolution measurements of an upwelling filament during the CAIBEX campaign.
42nd International Liège Colloquium on Ocean Dynamics
Name of the conference: EGU General Assembly
City of event: Liege, Belgium,
Date of event: 04/2010
Troupin C.; E. Mason; J. Arístegui; J-M Beckers; P. Sangrá.2010.
- 34** **Title of the work:** Poleward front of upwelling filaments generates subsurface anticyclonic eddies (FEDDY):
A Caibex Project contribution
Name of the conference: Ocean Sciences 2010 (AGU)



City of event: Portland, Oregon, United States of America
Date of event: 02/2010
Sangrà P.; J. Arístegui; C. Troupin; E.D. Barton. 2010.

- 35** **Title of the work:** Shelf-ocean exchanges in the Canaries-Iberian Marine Ecosystems (CAIBEX)
Name of the conference: Ocean Sciences 2010 (AGU)
City of event: Portland, Oregon, United States of America
Date of event: 02/2010
Barton E.D.; J. Arístegui; X. A. Alvarez Salgado; F. Perez; A. Gonzalez Gonzalez; G. Roson; P. Miller.2010.
- 36** **Title of the work:** The Cape Ghir (Nw Africa) Upwelling Filament: Modeling and Observation during the CAIBEX Campaign
Name of the conference: Ocean Sciences (AGU)
City of event: Portland, Oregon, United States of America
Date of event: 02/2010
Troupin C.; P. Sangrà; J. Arístegui; J. Beckers; E.D. Barton.
- 37** **Title of the work:** Examining the influence of mesoscale eddies and atmospheric deposition on particle export fluxes using ²³⁴Th and ²¹⁰Po
Name of the conference: American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting
City of event: Nice, France
Date of event: 01/2009
Verdeny E.; P. Masqué; C.R. Benitez-Nelson; J. García-Orellana; M. Villa; JC. Miquel; G. Stewart; I. Alonso-González; F. Baltar; J. Arístegui.2009.
- 38** **Title of the work:** Mineralization of organic matter in the dark ocean
Name of the conference: IMBER UK Meeting (Invited Conference)
City of event: Plymouth, United Kingdom
Date of event: 01/2009
Tamburini C.; J. Arístegui; D. Lefevre.2009.
- 39** **Title of the work:** Predominant of free-extracellular enzymatic activity in the dark Central Atlantic Ocean
Name of the conference: American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting
City of event: Nice, France
Date of event: 01/2009
Baltar F.; J. Arístegui; J.M Gasol; E. Sintés; G. Herndl.2009.
- 40** **Title of the work:** Dependence of prokaryotic metabolism on suspended particulate organic matter in the dark waters of the subtropical North Atlantic
Name of the conference: IMBER- IMBIZO Symposium: Integrating biogeochemistry and ecosystems in a changing ocean.
City of event: Miami, United States of America
Date of event: 11/2008
Baltar F.; E. Sintés; H.M. van Aken; J.M. Gasol; J. Arístegui; G.J. Herndl.2008.
- 41** **Title of the work:** Dependence of prokaryotic metabolismo on suspended particulate organic matter in the dark waters of the subtropical North Atlantic.
Name of the conference: IMBER- IMBIZO Symposium: Integrating biogeochemistry and ecosystems in a changing ocean
City of event: Miami, United States of America



Date of event: 11/2008

Baltar F.; J. Arístegui; J.M. Gasol; E. Sintés; G. Herndl.2008.

- 42 Title of the work:** Ecological and biogeochemical approaches to estimating respiration rates in the dark ocean
Name of the conference: IMBER- IMBIZO Symposium: Integrating biogeochemistry and ecosystems in a changing ocean
City of event: Miami, United States of America
Date of event: 11/2008
Aristegui J.2008.
- 43 Title of the work:** Mesoscale and regional variability in organic matter composition: sources vs degradation
Name of the conference: IMBER- IMBIZO Symposium: Integrating biogeochemistry and ecosystems in a changing ocean.
City of event: Miami, United States of America
Date of event: 11/2008
Alonso-González I.J.; J. Arístegui; T. Calafat; C. Lee.2008.
- 44 Title of the work:** Canary Current Upwelling: does geography make the difference?
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Arístegui J.; X.A. Alvarez Salgado; E.D. Barton; F. Figueiras; A. Hernandez-Guerra; S. Hernandez-Leon; S. Kifani; E Machu; E. Mason; C. Roy; A. Santos.2008.
- 45 Title of the work:** Dominant species within functional groups of Eastern Boundary upwelling ecosystems: what can we learn?
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Freón P.; C. Mullon; J. Arístegui; A. Bertrand; R. Crawford; M. Gibbons; L. Hutchings; H. Masski; J. Tam; J. Field; M. Ramdani; D. Checkley.2008.
- 46 Title of the work:** Linking microbial diversity and ecosystems function in offshore surface waters affected by upwelling waters: a review of approaches, previous work, and focus on the Canary Upwelling Waters and the central Atlantic Ocean
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Gasol J.M.; L. Alonso-Saez; O. Sanchez; D. Vaqué; J. Arístegui.2008.
- 47 Title of the work:** Phytoplankton and primary production variability along the NW Africa-Canary Islands coastal transition zone
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Figueiras F.; B. Arbones; J. Arístegui.2008.



- 48** **Title of the work:** Seasonal vs mesoscale variability in the abundance, distribution and trophic structure of nano- and picoplankton communities along the NW Africa-Canary Islands transition zone
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Baltar F.; J. Aristegui; MF. Montero; M. Espino; M. García-Muñoz; J. Gasol; G. Herndl.2008.
- 49** **Title of the work:** The IMBER Programme
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches”
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Aristegui J.2008.
- 50** **Title of the work:** Variability in the water-column respiration across the NW Africa-Canary Current coastal transition zone
Name of the conference: International Symposium Eastern boundary upwelling ecosystems: integrative and comparative approaches
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 06/2008
Alonso-González I.J.; J. Aristegui; JC. Vilas; M. Montero; M. Espino.2008.
- 51** **Title of the work:** The dark ocean: changing paradigms in a changing ocean – An IMBER Challenge
Name of the conference: IGBP meeting
City of event: Cape Town, South African Republic
Date of event: 05/2008
Aristegui J.; J.M. Gasol; D.A. Hansell; G.J. Herndl; T.F. Thingstad.2008.
- 52** **Title of the work:** Patterns in microbial abundance and activity in the deep ocean: a meta-analysis of our current knowledge
Name of the conference: Workshop Internacional: Shedding light on the dark ocean: breaking paradigms in biogeochemistry, diversity and plankton metabolism in the meso- and bathypelagic realm
City of event: Noordwijkerhout, Holland
Date of event: 02/2008
Organising entity: Euroceans
Gasol J.M.; J. Aristegui; F. Baltar; C.M. Duarte; G.C. Herndl.2008.
- 53** **Title of the work:** Suspended POM: A major unaccounted carbon sink in the ocean?
Name of the conference: Workshop Internacional: Shedding light on the dark ocean: breaking paradigms in biogeochemistry, diversity and plankton metabolism in the meso- and bathypelagic realm Noordwijkerhout, Netherlands, financiado por Euroceans.
City of event: Noordwijkerhout, Holland
Date of event: 02/2008
Organising entity: Euroceans
Aristegui J.2008.
- 54** **Title of the work:** Impact of viruses and protists on bacteria associated with eddies in the subtropical NE Atlantic
Name of the conference: Gordon Conference – Marine Microbes
City of event: Lucca, Barga, Italy
Date of event: 01/2008



Boras J.A.; D. Vaqué; F. Baltar; J. Arístegui. 2008.

- 55** **Title of the work:** Dynamics of ectoenzymatic activity in the deep water masses of the northeast Atlantic Ocean
Name of the conference: 10th Symposium on Aquatic Microbial Ecology
City of event: Faro, Portugal
Date of event: 09/2007
Baltar F.; E. Sintés; J. Arístegui; G.J. Herndl.2007.
- 56** **Title of the work:** Los programas marinos del IGBP: Globex, Imber, Solas, LOICZ
Name of the conference: Simposium Globec-Imber
City of event: Valencia, Spain
Date of event: 03/2007
Ríos A.F.; F. Echevarría; J. Arístegui; R. Simó; J.L. Pérez-Llorens.2007.
- 57** **Title of the work:** Simulation of annual cycles of phytoplankton, zooplankton and nutrients to the south of Gran Canaria Island, using a mixed-layer model coupled with a biological model
Name of the conference: Simposium Globec-Imber
City of event: Valencia, Spain
Date of event: 03/2007
Troupin Ch.; P. Sangrá; J. Arístegui.2007.
- 58** **Title of the work:** Surface-depth and coastal-ocean gradients in diversity and activity of prokaryotes in the Canary CTZ region
Name of the conference: Simposium Globec-Imber
City of event: Valencia, Spain
Date of event: 03/2007
Baltar F.; J. Arístegui; G.J. Herndl; J.M. Gasol; S. Hernández-León.2007.
- 59** **Title of the work:** Suspended POC transport and consumption in surface and deep waters of the Canary Current: a box-model study.
Name of the conference: Simposium Globec-Imber
City of event: Valencia, Spain
Date of event: 03/2007
Alonso I.J.; J. Arístegui; A. Hernández-Guerra; J.C. Vilas.2007.
- 60** **Title of the work:** Satellite-derived near-surface chlorophyll a distributions at Sedlo and Seine Seamounts (NE Atlantic) using Seawifs and MODIS imagery: Comparison with in situ data
Name of the conference: AGU Fall Meeting
City of event: San Francisco, CA, United States of America
Date of event: 12/2006
Martins A.; A. Mendonça; M. Figueiredo; I. Bashmachnikov; A. Couto; J.C. Vilas; J. Arístegui.2006.
- 61** **Title of the work:** Os montes submarinos: um oásis no meio do oceano?
Name of the conference: Jornadas 2006 - OS OCEANOS: Uma Plataforma para o Entendimento
City of event: Lisboa, Portugal
Date of event: 11/2006
Mendonça A.; A. Martins; I. Bashmachnikov; M. Figueiredo; A. Couto; J. Arístegui.2006.



- 62** **Title of the work:** Bacterial diversity and carbon processing along a productivity gradient in the subtropical Northeast Atlantic Ocean
Name of the conference: American Society of Limnology and Oceanography Meeting
City of event: Galicia, Spain
Date of event: 06/2005
Alonso-Saez L.; J.M. Gasol; J.C. Vilas; J. Aristegui; J. Pinhassi; L. Gomez-Consamau; D. Vaqué; C.M. Duarte; S. Agustí.2005.
- 63** **Title of the work:** Contribution of upwelling filaments to the ocean carbon cycle
Name of the conference: American Society of Limnology and Oceanography Meeting
City of event: Galicia, Spain
Date of event: 06/2005
Alvarez-Salgado X.A.; J. Arístegui; E.D. Barton; D.A. Hansell; P. Wheeler.2005.
- 64** **Title of the work:** Mesopelagic prokaryotes support high respiration in the subtropical Northeast Atlantic Ocean
Name of the conference: American Society of Limnology and Oceanography Meeting
City of event: Galicia, Spain
Date of event: 06/2005
Aristegui J.; C.M. Duarte; J.M. Gasol; L. Alonso-Saez; J.C. Vilas.2005.
- 65** **Title of the work:** Variability in organic matter distribution and remineralization rates around two Atlantic seamounts
Name of the conference: American Society of Limnology and Oceanography Meeting
City of event: Galicia, Spain
Date of event: 06/2005
Vilas J.C.; M. Espino; C. Gutierrez; I. Polo; A. Mendonça; J. Aristegui.2005.
- 66** **Title of the work:** Variability in plankton community structure and metabolism around two seamounts.
Name of the conference: American Society of Limnology and Oceanography Meeting.
City of event: Galicia, Spain
Date of event: 06/2005
Mendonca A.; J.C. Vilas; C. Lobato; M. Espino; I. Polo; M.F. Montero; J. Aristegui; A. Martins.2005.
- 67** **Title of the work:** Wakes, eddies and larvae around the Canary Islands
Name of the conference: American Society of Limnology and Oceanography Meeting
City of event: Galicia, Spain
Date of event: 06/2005
Barton E.D.; J.M. Rodriguez; J. Arístegui.2005.
- 68** **Title of the work:** Measurement of growth and respiration in the dark ocean
Name of the conference: American Society of Limnology and Oceanography/The Oceanography Society Meeting
City of event: Hawaii, United States of America
Date of event: 02/2004
Reinthal T.; J. Arístegui; PJ LeB Williams; GL Herndehli; C. Robinson.2004.
- 69** **Title of the work:** The Canary Islands area of filament-eddy exchanges (AFEX)
Name of the conference: American Society of Limnology and Oceanography/The Oceanography Society Meeting
City of event: Hawaii, United States of America



Date of event: 02/2004
Aristegui J.; Barton E.D.2004.

- 70** **Title of the work:** The Canary CTZ region: a carbon source and an offshore pump
Name of the conference: An Appreciation of 50 years of the Study of Primary Production in Oceans and Lakes
City of event: Bangor, Gales, United Kingdom
Date of event: 03/2002
Aristegui J.; M.F. Montero; M. García Muñoz; E.D. Barton.2002.
- 71** **Title of the work:** Respiration and organic carbon inputs to the mesopelagic ocean
Name of the conference: American Society of Limnology and Oceanography. Aquatic Sciences Meeting
City of event: Hawaii, United States of America
Date of event: 02/2002
Duarte C.M.; J. Aristegui; S. Agustí.2002.
- 72** **Title of the work:** GLOBEC: The Canary Current System
Name of the conference: I Simposio GLOBEC
City of event: Andalucía, Spain
Date of event: 11/2001
Hernández-León S.; y otros.2001.
- 73** **Title of the work:** Mejora del modelo de Bricaud y Stramski sobre los espectros de fitoplancton y detrito
Name of the conference: Taller y Tertulia en Oceanografía.
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 11/2000
Fraile E.; J. Aristegui; G. Basterretxea.2000.
- 74** **Title of the work:** The biological pump in island eddies
Name of the conference: Taller y Tertulia en Oceanografía
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 11/2000
Aristegui J.2000.
- 75** **Title of the work:** Respiratory activity of deep water microbial communities during cruise Antares 3, Southern Ocean
Name of the conference: Southern Ocean – JGOFS Symposium.
City of event: Brest, France
Date of event: 07/2000
Aristegui J.; M. Denis; J. Almunia; D. Stephanie.2000.
- 76** **Title of the work:** Lunar cycle of zooplankton biomass in subtropical waters: biogeochemical implications
Name of the conference: American Society of Limnology and Oceanography. Aquatic Sciences Meeting.
City of event: Copenhagen, Denmark
Date of event: 06/2000
Hernández-León S.; y Otros.2000.
- 77** **Title of the work:** Temporal and spatial uncoupling in primary production and respiration in the subtropical North Atlantic
Name of the conference: American Society of Limnology and Oceanography. Aquatic Sciences Meeting
City of event: Copenhagen, Denmark



Date of event: 06/2000
Aristegui J.; Harrison W.G.2000.

- 78** **Title of the work:** La región AFEX de Canarias: Implicaciones biogeoquímicas
Name of the conference: Taller y Tertulia en Oceanografía
City of event: Las Palmas G.C., Canarias,
Date of event: 11/1999
Aristegui J.1999.
- 79** **Title of the work:** Carbon system distribution during the Azores 1 cruise
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 09/1999
Pérez F.; M. Alvarez; A.F. Ríos; J. Aristegui; J. Escanez.1999.
- 80** **Title of the work:** DCM Dynamics in Canaries waters
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 09/1999
Tett P.; J. Aristegui; Y Otros.1999.
- 81** **Title of the work:** Phytoplankton primary production and respiration balance in the upwelling-canary coastal transition zone region
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 09/1999
Aristegui J.; y Otros.1999.
- 82** **Title of the work:** Upwelling, filaments, eddies and wakes in the Canaries Region
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 09/1999
Barton E.D.; J. Aristegui; y Otros.1999.
- 83** **Title of the work:** Carbonic system distribution in the Azores region
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Vigo, Galicia, Spain
Date of event: 02/1999
Alvarez M.; A.F. Ríos; J. Aristegui; F.F. Pérez.1999.
- 84** **Title of the work:** Cruise Fax-9908: filaments and fluxes
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Vigo, Galicia, Spain
Date of event: 02/1999
Aristegui J.1999.
- 85** **Title of the work:** Interaction of the Cabo Juby filament with the Canaries eddies
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Vigo, Galicia, Spain
Date of event: 02/1999
Barton E.D.; J. Aristegui; y Otros.1999.



- 86** **Title of the work:** Primary production and respiration balance in the upwelling-Canary coastal transition zone region
Name of the conference: Canary Islands, Gibraltar, Azores Observations (CANIGO) Meeting
City of event: Vigo, Galicia, Spain
Date of event: 02/1999
Arístegui J.; y Otros.1999.
- 87** **Title of the work:** Ondas internas de marea en el talud insular de Gran Canaria
Name of the conference: Taller y Tertulia en Oceanografía.
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 11/1998
Sangrá P.; G. Basterretxea; J.L. Pelegrí; J. Arístegui.1998.
- 88** **Title of the work:** Biophysical modelling of mesoscale structures encountered southwest of Gran Canaria Island
Name of the conference: Conference of the World Ocean Circulation Experiment (WOCE)
City of event: Halifax, Canada
Date of event: 08/1998
Menvielle S.; P. Sangrá; J. Arístegui.1998.
- 89** **Title of the work:** Marine bacterial activity; quantification of CTC fluorescence by flow and imaging cytometry
Name of the conference: International Symposium on Microbial Ecology
City of event: Halifax, Canada
Date of event: 08/1998
Sieracki M.; T. Nicinski; T. Cucci; E. Thier; J. Arístegui.1998.
- 90** **Title of the work:** The perturbation of the Canary Current by the Canary Archiplago
Name of the conference: Conference of the World Ocean Circulation Experiment (WOCE)
City of event: Halifax, Canada
Date of event: 08/1998
Hernández Guerra A.; J. Arístegui; y Otros.1998.
- 91** **Title of the work:** Internal consistency carbonate system measurements. en Le Groupe Cither-3. Recueil de données
Name of the conference: Rapport Interne LPO
Date of event: 03/1998
Ríos A.F.; L.S. Bingle; T. Rellán; J. Arístegui.3: Traceurs Géochimi - 03),, 1998.
- 92** **Title of the work:** Total inorganic carbon measurements in the South Atlantic (WOCE sections A14 and A13). en Le Groupe Cither-3. Recueil de données
Name of the conference: Rapport Interne LPO
Date of event: 03/1998
Bingle L.S.; J. Arístegui; M. González-Dávila.3: Traceurs Géochimi, 1998.
- 93** **Title of the work:** Application of a model of the upper ocean coupled to a biological model in the Canary area
Name of the conference: XXVI Reunion bienal de la Real Sociedad Española de Física
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 01/1997



Menvielle S.; P. Sangrá; J. Arístegui.1997.

- 94** **Title of the work:** Upwelling, downwelling and cross-slope exchanges in the Canary Current
Name of the conference: 3rd EU Conference, Exchange Processes at the Continent/Ocean Margin in the North Atlantic.
City of event: Vigo, Galicia, Spain
Date of event: 01/1997
Barton E.D.; J. Arístegui; E. Navarro-Pérez; G. Basterretxea.1997.
- 95** **Title of the work:** Influencia del transporte advectivo de masas de agua sobre la distribución espacial y el metabolismo del plancton en el Estrecho de Bransfield (Océano Antártico)
Name of the conference: VI Simposio Español de Estudios Antárticos
City of event: Madrid, Spain
Date of event: 09/1996
Arístegui J.; y Otros.1996.
- 96** **Title of the work:** Ecohydrodynamical study of the Canarian Marine System associated with mesoscale oceanographic structures
Name of the conference: UK Oceanography Symposia
City of event: Bangor, United Kingdom
Date of event: 01/1996
Menvielle S.; P. Sangrá; J.L. Pelegrí; J. Arístegui.1996.
- 97** **Title of the work:** Microplankton respiration increases due to flow perturbation by islands
Name of the conference: European Geophysical Society Meeting
City of event: Grenoble, France
Date of event: 03/1994
Arístegui J.; M.F. Montero.1994.
- 98** **Title of the work:** Microplankton respiration around the Canary Islands
Name of the conference: Final Mast Project 0031 Workshop
City of event: Las Palmas G.C., Canarias, Spain
Date of event: 01/1994
Montero M.F.; J. Arístegui.1994.
- 99** **Title of the work:** Metabolismo respiratorio del microplancton en aguas de la Península Antártica
Name of the conference: Vº Simposio de Estudios Antárticos
City of event: Barcelona, Cataluña, Spain
Date of event: 10/1993
Arístegui J.; N.M. Montero.1993.
- 100** **Title of the work:** Modelos de producción primaria en el Estrecho de Bransfield
Name of the conference: Vº Simposio de Estudios Antárticos
City of event: Barcelona, Cataluña, Spain
Date of event: 10/1993
Basterretxea G.; J. Arístegui.1993.
- 101** **Title of the work:** Relationship between mesoscale variability on the Canary Current and the distribution of bacteria, cyanobacteria and flagellates
Name of the conference: VI International Symposium on Microbial Ecology
City of event: Barcelona, Cataluña, Spain



Date of event: 11/1992
Ballesteros S.; J. Arístegui.1992.

- 102 Title of the work:** Carbon, oxygen and nitrogen metabolism of microplankton during a spring bloom in the Baltic Sea
Name of the conference: International Council for the Exploration of the Sea
City of event: Warnemünde, Germany
Date of event: 09/1992
Aristegui J.; W. Kaiser; M.F. Montero.1992.
- 103 Title of the work:** Response of size-fractionated plankton metabolism to upwelling events on the wake of a subtropical oceanic island (Gran Canaria)
Name of the conference: Symposium of Measurement of Primary Production from the Molecular to the Global Scale. ICES
City of event: La Rochelle, France
Date of event: 04/1992
Aristegui J.; M.F. Montero; G. Basterretxea; S. Ballesteros; R. Vanderschuur.1992.
- 104 Title of the work:** The influence of hydrography on the seasonal distribution of chlorophyll around the Canary Islands
Name of the conference: MAST 0031 workshop meeting
City of event: Santa Cruz Tenerife, Canarias, Spain
Date of event: 02/1992
Aristegui J.; M. Rodríguez; K. Van Lenning.1992.
- 105 Title of the work:** The biological Pump in island-induced eddies
Name of the conference: Primary Productivity and Biogeochemical cycles in the Sea. Brookhaven National Laboratory
City of event: United States of America
Date of event: 06/1991
Aristegui J.; y Otros.1991.
- 106 Title of the work:** The influence of Mesoscale eddies on the productivity of the Canary Island waters
Name of the conference: Annual meeting, American Society of Limnology and Oceanography
City of event: Halifax, United States of America
Date of event: 06/1991
Aristegui J.; y Otros.1991.
- 107 Title of the work:** First Meeting to write the Implementation Plan for the Joint Global Ocean Flux Studies (JGOFS)-Time-Series Stations
Name of the conference: First Meeting to write the Implementation Plan for the Joint Global Ocean Flux Studies (JGOFS)-Time-Series Stations
City of event: Bremen, Germany
Date of event: 01/1991
1991.
- 108 Title of the work:** A Mesoscale cold-core eddy in the Canary Islands: physical and biological characterization
Name of the conference: I Congreso sobre Oceanografía y Recursos Marinos en el Atlántico Centro-Oriental
City of event: Telde, Canarias,
Date of event: 11/1990



Arístegui J.; y Otros.1990.

- 109 Title of the work:** Abundancia y distribución de cianobacterias en aguas de Canarias
Name of the conference: I Congreso sobre Oceanografía y Recursos Marinos en el Atlántico Centro-Oriental
City of event: Telde, Canarias, Spain
Date of event: 11/1990
Ballesteros S.; J. Arístegui.1990.
- 110 Title of the work:** Biological consequences of internal waves: a case study in slope waters of Gran Canaria Island
Name of the conference: I Congreso sobre Oceanografía y Recursos Marinos en el Atlántico Centro-Oriental
City of event: Telde, Canarias, Spain
Date of event: 11/1990
Arístegui J.; y Otros.1990.
- 111 Title of the work:** Respiration and Electron Transport System activity (ETS) in microplankton around Gran Canaria Island
Name of the conference: I Congreso sobre Oceanografía y Recursos Marinos en el Atlántico Centro-Oriental
City of event: Telde, Canarias, Spain
Date of event: 11/1990
Montero M.F.; J. Arístegui.1990.
- 112 Title of the work:** The influence of eddies on oxygen metabolism of size-fractionated plankton from the waters around the Canary Islands
Name of the conference: I Congreso sobre Oceanografía y Recursos Marinos en el Atlántico Centro-Oriental
City of event: Telde, Canarias, Spain
Date of event: 11/1990
Vandershuur R.; J. Arístegui; M.F. Montero.1990.
- 113 Title of the work:** Factors affecting the vertical distribution of phytoplankton in coastal waters off Gran Canaria Island (Canary Islands)
Name of the conference: 23rd European Marine Biology Symposium
City of event: Gales, United Kingdom
Date of event: 09/1988
Arístegui J.; y Otros.1988.
- 114 Title of the work:** The influence of the North Trade Winds on the biomass and production of neritic plankton around Gran Canaria
Name of the conference: 22nd European Marine Biology Symposium
City of event: Barcelona, Cataluña, Spain
Date of event: 08/1987
Arístegui J.; y Otros.1987.
- 115 Title of the work:** El género Celleporina Gray, 1848 en Canarias: consideraciones sobre la distribución de C. hassallii (Johnston, 1847) y C. costazi (Audouin, 1826)
Name of the conference: Vº Simposio Ibérico de Estudios del Bentos Marino.
City of event: Santa Cruz Tenerife, Canarias, Spain
Date of event: 09/1986



Aristegui J.1986.

- 116 Title of the work:** Especies nuevas de Briozoos en Canarias
Name of the conference: Vº Simposio Ibérico de Estudios del Bentos Marinos
City of event: Santa Cruz Tenerife, Canarias, Spain
Date of event: 09/1986
Aristegui J.1986.

- 117 Title of the work:** Fauna de Briozoos Quilostomados (Ectoprocta, Cheilostomata) de Canarias
Name of the conference: IVº Simpósio Ibérico de Estudos do Benthos Marinho
City of event: Lisboa, Portugal
Date of event: 05/1984
Aristegui J.1984.

- 118 Title of the work:** El poblamiento de los fondos de Dendrophyllia ramea (Anthozoa, Scleractinia) en las Islas Canarias
Name of the conference: IIIº Simposio Ibérico de Estudios del Bentos Marino.
City of event: Pontevedra, Galicia, Spain
Date of event: 10/1982
Aristegui J.1982.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Lead author of the Special Report on the Oceans and the Cryosphere (SROCC)"Intergovernmental Panel on Climate Change (IPCC)
Start-End date: 2018 - 2020
- 2 Committee title:** Editor en Jefe de la revista Deep Sea Research II
Start date: 12/2015
- 3 Committee title:** Editor Asociado de la revista FRONTIERS in Biogeochemistry
Start date: 05/2015
- 4 Committee title:** Contributing author del "Intergovernmental Panel on Climate Change (IPCC); Chapter 6"
- 5 Committee title:** Coordinador Nacional del Proyecto del IGBP IMBER (Integrated Marine Biogeochemical and Ecological Research)
- 6 Committee title:** Miembro de la Comisión de Expertos del Plan Nacional de I+D (Recursos Marinos)
- 7 Committee title:** Miembro de la Red Europea de Excelencia en Ciencias Marinas EUROCEANS.



- 8** **Committee title:** Miembro del Comité Técnico de Construcción del B/O Sarmiento de Gamboa (como representante del MEC)
- 9** **Committee title:** Miembro del Committee for the Implementation Plan of the IMBER-SOLAS Carbon Cycle, IGBP/SCOR.
- 10** **Committee title:** Miembro del SC del Proyecto IGBP SOLAS (Surface-Ocean Lower-Atmosphere Interactions).
- 11** **Committee title:** Miembro del Steering Committee for the Implementation Plan of the JGOFS-Time Series Stations, JGOFS/SCOR
- 12** **Committee title:** Vicechair del Steering Committee Internacional del Proyecto del IGBP IMBER (Integrated Marine Biogeochemical and Ecological Research).

Organization of R&D activities

- 1** **Title of the activity:** IMBIZO IV- Marine and Human Systems (Addressing multiple scales and multiple stressors)
Type of activity: Simposio
Convening entity: IMBER
Start date: 10/2015
- 2** **Title of the activity:** Integrated Perspectives of Eastern Boundary Upwelling Systems
Type of activity: Simposio
Geographical area: Non EU International
Convening entity: Aquatic Sciences Meeting (ASLO)
City convening entity: Granada, Spain
Type of participation: Organiser
Start date: 22/02/2015
Duration: 7 days
- 3** **Title of the activity:** The dark ocean: recent progress in understanding the functioning of the ocean's largest subsystem
Type of activity: Simposio
Geographical area: Non EU International
Convening entity: IMBER-Open Science Meeting
City convening entity: Bergen, Norway
Type of participation: Organiser
Start date: 23/06/2014
Duration: 7 days
- 4** **Title of the activity:** 45rd International Liege Colloquium on Ocean Dynamics
Type of activity: Simposio
Geographical area: Non EU International
Convening entity: Université de Liege - UE
City convening entity: Liege, Belgium
Type of participation: Organiser
Start date: 05/2013



- 5** **Title of the activity:** 43rd International Liege Colloquium on Ocean Dynamics
Type of activity: Simposio **Geographical area:** Non EU International
Convening entity: Université de Liege - UE
City convening entity: Liege, Belgium
Type of participation: Organiser
Start date: 05/2011
- 6** **Title of the activity:** Ecological and biogeochemical interactions in the mesopelagic zone
Type of activity: Simposio **Geographical area:** Non EU International
Convening entity: IMBER-IMBIZO
City convening entity: Miami, United States of America
Type of participation: Organiser
Start date: 11/2008 **Duration:** 7 days
- 7** **Title of the activity:** Eastern Boundary Upwelling Systems: Integrative and Comparative Approaches
Type of activity: Simposio **Geographical area:** Non EU International
Convening entity: EUROCEANS (UE-MAST)
City convening entity: Las Palmas de Gran Canaria, Spain
Type of participation: Organiser
Start date: 06/2008 **Duration:** 7 days
- 8** **Title of the activity:** Shedding light on the dark ocean: breaking paradigms in biogeochemistry, diversity and plankton metabolism in the meso- and bathypelagic realm
Type of activity: Workshop **Geographical area:** European Union
Convening entity: EUROCEANS (UE)
City convening entity: Noordwijkerhout, Holland
Type of participation: Organiser
Start date: 02/2008 **Duration:** 7 days
- 9** **Title of the activity:** Simposio GLOBEC-IMBER España
Type of activity: Simposio **Geographical area:** National
Convening entity: MINISTERIO DE EDUCACION Y CIENCIA
City convening entity: Valencia, Spain
Type of participation: Organiser
Start date: 03/2007 **Duration:** 7 days
- 10** **Title of the activity:** Taller y Tertulia en Oceanografía
Type of activity: Seminario **Geographical area:** National
Convening entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
City convening entity: Las Palmas de Gran Canaria, Spain
Type of participation: Organiser
Start date: 11/1999 **Duration:** 15 days
- 11** **Title of the activity:** Taller y Tertulia en Oceanografía
Type of activity: Seminario **Geographical area:** National
Convening entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
City convening entity: Las Palmas de Gran Canaria, Spain
Type of participation: Organiser
Start date: 11/1998 **Duration:** 15 days



- 12 Title of the activity:** Advanced Study Course on Upwelling Ecosystems (Atlantic Ocean Eastern Boundary)
Type of activity: Curso **Geographical area:** European Union
Convening entity: Unión Europea (MAST) - EIASO
City convening entity: Las Palmas de Gran Canaria, Spain
Type of participation: Organiser
Start date: 07/1995 **Duration:** 20 days

R&D management

- 1 Name of the activity:** Director del Observatorio Canario de Algas Nocivas (Oc-HABs)
Type of management: Director científico
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Start date: 2019
- 2 Name of the activity:** Director del Servicio Integral de Tecnología Marina (SITMA)
Type of management: Management of body
Performed tasks: Dirección del Servicio
Entity: Fundación Parque Científico Tecnológico de la Universidad de las Palmas de Gran Canaria
Start date: 2015 **Duration:** 3 years
- 3 Name of the activity:** Secretario del Instituto de Oceanografía y Cambio Global (ULPGC)
Type of management: Management of body
Performed tasks: Gestión del Instituto
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Start date: 2012 **Duration:** 3 years
- 4 Name of the activity:** Director del Instituto de Oceanografía y Cambio Global (ULPGC)
Type of management: Management of body
Performed tasks: Gestión del Instituto
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Start date: 2011 **Duration:** 1 year
- 5 Name of the activity:** Coordinador del Grupo de Investigación Oceanografía Biológica
Type of management: Group management
Performed tasks: Gestión de grupo
Entity: Universidad de las Palmas de Gran Canaria **Type of entity:** University
Start date: 1990 **Duration:** 24 years

Evaluation and revision of R&D projects and articles

- 1 Performed tasks:** Evaluador de Proyectos de Investigación para el Earth and Life Science Council (ALW; Holanda)
- 2 Performed tasks:** Evaluador de Proyectos de Investigación para el Natural Environmental and Research Council (NERC; UK)



- 3 Performed tasks:** Evaluador de Proyectos de Investigación para la Agence Nationale de la Recherche (ANR, France)
- 4 Performed tasks:** Evaluador de Proyectos de Investigación para la Agencia Andaluza de la Evaluación de la Calidad y Acreditación Universitaria
- 5 Performed tasks:** Evaluador de Proyectos de Investigación para la Agencia Nacional de Promoción Científica y Tecnológica (ANPCyT) de Argentina
- 6 Performed tasks:** Evaluador de Proyectos de Investigación para la National Science Foundation (NSF; USA)
- 7 Performed tasks:** Evaluador de Proyectos de investigación de la Unión Europea. Programa MAST
- 8 Performed tasks:** Evaluador de la Agencia Nacional de Evaluación y Prospectiva
- 9 Performed tasks:** Evaluador de revistas científicas: Aquatic Microbial Ecology; Biogeosciences; Boletín del IEO; Coastal, Estuarine and Shelf Science; Continental Shelf Research; Deep-Sea Research I y II; Geophysical Research Letters; Global Change Biology; Hydrobiologia; Journal of Experimental Marine Biology and Ecology; Journal of Geophysical Research; Journal of Marine Biology; Journal of Marine Systems; Journal of Plankton Research; Journal of Sea Research; Limnology and Oceanography; Limnology and Oceanography (Methods); Marine Biology; Microbial Ecology; Marine Ecology Progress Series; Polar Biology; Proceedings of the National Academy of Sciences; Progress in Oceanography; Science; Scientia Marina; The ISME Journal
- 10 Performed tasks:** Evaluador para la Agencia Catalana de Investigación (ICREA)

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Universidad de Concepción, Chile
City of entity: Dichato y Concepción, Chile
Start date: 10/2008 **Duration:** 15 days
Goals of the stay: Guest
Provable tasks: Proyecto sobre afloramiento costero con la Dra Carmen Morales
- 2 Entity:** Universidad de Québec at Montreal
City of entity: Montreal, Canada
Start date: 10/2003 **Duration:** 15 days
Name of programme: Realización de experimentos de metabolismo microbiano con el Dr. Paul del Giorgio.
Goals of the stay: Guest
Provable tasks: Experimentos de metabolismo microbiano en lagos con el Dr. Paul del Giorgio



- 3** **Entity:** Bigelow Laboratory for Ocean Sciences, Maine, Estados Unidos.
City of entity: Bigelow, United States of America
Start date: 06/1997 **Duration:** 15 days
Name of programme: Aprendizaje de técnicas de citometría de flujo y realización de experimentos de respiración bacteriana con CTC , con los Drs. M. Sieracki y T. Cucci
Goals of the stay: Guest
Provable tasks: Curso de Citometría de Flujo con Drs Sieracki y Cucci
- 4** **Entity:** Brookhaven National Laboratory, Long Island, Estados Unidos.
City of entity: New York, United States of America
Start date: 06/1996 **Duration:** 15 days
Name of programme: Aprendizaje de técnicas de medición de CO2 por culombimetría con el Dr. Kenneth Johnson.\n\n
Goals of the stay: Guest
Provable tasks: Aprendizaje técnicas de medición de CO2 por culombimetría con Dr. K. Johnson
- 5** **Entity:** Instituto de Ciencias del Mar y Limnología, Mazatlán.
City of entity: Mazatlán, Mexico
Start date: 01/1991 **Duration:** 60 days
Name of programme: Estudio sobre producción
Goals of the stay: Guest
Provable tasks: Estancia y Campaña oceanográfica en Golfo de California con Dr. O. Calvario. Metabolismo microbiano
- 6** **Entity:** British Museum (Natural History), Dept. of Zoology, Bryozoa Section.
City of entity: London, United Kingdom
Start date: 07/1985 **Duration:** 30 days
Name of programme: Estudio sobre
Goals of the stay: Post-doctoral
Provable tasks: Estudio comunidades de Briozoos
- 7** **Entity:** British Museum (Natural History), Dept. of Zoology, Bryozoa Section.
City of entity: London, United Kingdom
Start date: 04/1980 **Duration:** 60 days
Name of programme: Estudio sobre
Goals of the stay: Predoctoral
Provable tasks: Estudio sobre comunidades de Briozoos

Summary of other achievements

- 1** **Description of the achievement:** Campaña Oceanográfica FLUXES I (R/V Sarmiento de Gamboa); NE Atlantic (1 month; Chief Scientist)
Conferral date: 2017
- 2** **Description of the achievement:** Campaña Oceanográfica. MAFIA (BIO Hespérides); Atlantic Norte y Sur (4 weeks)
Conferral date: 2015



- 3** **Description of the achievement:** “Helmholtz International Fellow Award” (Helmholtz Association, Germany).
Accrediting entity: Helmholtz Association, Germany
City accrediting entity: Germany
Conferral date: 2015
- 4** **Description of the achievement:** Campaña Oceanográfica. HOTMIX (R/V Sarmiento de Gamboa); Mediterranean & NE Atlantic (6 weeks; Chief Scientist)
Conferral date: 2014
- 5** **Description of the achievement:** Campaña Oceanográfica. PUMP (R/V Hespérides); NE Atlantic (1 month; Chief Scientist)
Conferral date: 2014
- 6** **Description of the achievement:** Campaña Oceanográfica. BIMBACHE-3 (RV Ramón Margalef), El Hierro Island, volcano (1 week)
Conferral date: 2011
- 7** **Description of the achievement:** Campaña Oceanográfica. BIMBACHE-5 (RV Ramón Margalef), El Hierro Island, volcano (1 week)
Conferral date: 2011
- 8** **Description of the achievement:** Campaña Oceanográfica. MALASPINA 2010 (R/V Hespérides), Indian Ocean, Australia (3 weeks)
Conferral date: 2011
- 9** **Description of the achievement:** Campaña Oceanográfica. CAIBEX-3 (R/V Sarmiento de Gamboa); NE Atlantic (1 month, Chief Scientist)
Conferral date: 2009
- 10** **Description of the achievement:** Campaña Oceanográfica. RODA-2 (R/V Hespérides) : NE Atlantic (1 month)
Conferral date: 2007
- 11** **Description of the achievement:** Campaña Oceanográfica. RODA-1 (R/V Hespérides) : NE Atlantic (1 month, Chief Scientist)
Conferral date: 2006
- 12** **Description of the achievement:** Campaña Oceanográfica. RODA-Fondeo (R/V García del Cid) : Canary Islands (2 cruises x 1 week)
Conferral date: 2006
- 13** **Description of the achievement:** Campaña Oceanográfica. ICEPOS (R/V Hespérides) : Antarctic Ocean (1 month)
Conferral date: 2004
- 14** **Description of the achievement:** Campaña Oceanográfica. COCA-2 (R/V Hespérides) : NE Atlantic (1 month)
Conferral date: 2003



- 15** **Description of the achievement:** Campaña Oceanográfica. COCA-1 (R/V Hespérides) : NE Atlantic (1 month, Chief Scientist)
Conferral date: 2002
- 16** **Description of the achievement:** Campaña Oceanográfica. FAX (R/V Hespérides) : NE Atlantic (1 month; Chief Scientist)
Conferral date: 1999
- 17** **Description of the achievement:** Campaña Oceanográfica. E-DOVETAIL (R/V Hespérides) : Antarctic Ocean (5 weeks)
Conferral date: 1998
- 18** **Description of the achievement:** Campaña Oceanográfica. FRENTE (R/V García del Cid) : Canary Region (3 weeks; Chief Scientist)
Conferral date: 1998
- 19** **Description of the achievement:** Campaña Oceanográfica. ANTARES MD/102 (R/V Marion Dufresne II) : Antarctic Ocean (6 weeks)
Conferral date: 1995
- 20** **Description of the achievement:** Campaña Oceanográfica. WOCE-A13 (R/V L'Atalante) : South Atlantic (5 weeks)
Conferral date: 1995
- 21** **Description of the achievement:** Campaña oceanográfica. OIMAC (R/V Taliarte) : Canary Region (2 weeks; Chief Scientist)
Conferral date: 1994
- 22** **Description of the achievement:** Campaña Oceanográfica. BIOANTAR-93 (R/V Hespérides) : Antarctic Ocean (6 weeks)
Conferral date: 1993
- 23** **Description of the achievement:** Campaña Oceanográfica. MAST-9308 (R/V Hespérides) : NE Atlantic (1 month, Chief Scientist)
Conferral date: 1993
- 24** **Description of the achievement:** Campaña Oceanográfica. HUDSON-92-037 (R/V Hudson) : North Atlantic (5 weeks)
Conferral date: 1992
- 25** **Description of the achievement:** Campaña Oceanográfica. BAP-91 (R/V El Puma) : Gulf of California (2 weeks)
Conferral date: 1991
- 26** **Description of the achievement:** Campaña Oceanográfica. BRANSFIELD-9112 (R/V Hespérides) : Antarctic Ocean (6 weeks)
Conferral date: 1991
- 27** **Description of the achievement:** Campaña Oceanográfica. EMIAC-9103 (R/V García del Cid) : Canary Region (2 weeks)
Conferral date: 1991



- 28** **Description of the achievement:** Campaña Oceanográfica. MAST-9110 (R/V Ignat Pavlyuchenkov) : Canary Region (3 weeks)
Conferral date: 1991
- 29** **Description of the achievement:** Campaña Oceanográfica. BALTEX-90 (R/V Alexander von Humboldt) : Baltic Sea (3 weeks)
Conferral date: 1990
- 30** **Description of the achievement:** Campaña Oceanográfica. EMIAC-9006 (R/V García del Cid) : Canary Region (2 weeks)
Conferral date: 1990
- 31** **Description of the achievement:** Campaña Oceanográfica. FRONTS-90 (R/V García del Cid) : Mediterranean Sea (2 weeks)
Conferral date: 1990
- 32** **Description of the achievement:** Campaña Oceanográfica. RHODIBER-90 (R/V García del Cid) : Mediterranean Sea (2 weeks)
Conferral date: 1990
- 33** **Description of the achievement:** Campaña Oceanográfica. ATLEX-89 (R/V Alexander von Humboldt) : North Atlantic (1 month)
Conferral date: 1989
- 34** **Description of the achievement:** Campaña Oceanográfica. ECOS-8605 (R/V Taliarte) : Canary Region (3 weeks)
Conferral date: 1986
- 35** **Description of the achievement:** Complementos de productividad docente: 6 tramos (quinquenios)
Accrediting entity: Universidad de las Palmas de Gran Canaria
- 36** **Description of the achievement:** Sexenios de investigación: 5 tramos
Accrediting entity: MINISTERIO DE EDUCACION Y CIENCIA