



**Francisco Javier Almunia  
Portolés**

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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.

**Francisco Javier Almunia Portolés**

Surname(s): **Almunia Portolés**  
 Name: **Francisco Javier**  
 DNI: **18028274T**  
 Date of birth: **20/02/1969**  
 Gender: **Male**  
 Land line phone: **(34) 922 37 38 41 - 202**  
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 Mobile phone: **(34) 609 163 164**

**Current professional situation**

**Employing entity:** LORO PARQUE FUNDACIÓN  
**Professional category:** Director  
**Start date:** 01/02/2018  
**Type of contract:** Permanent employment contract

**Employing entity:** LORO PARQUE FUNDACIÓN  
**Professional category:** Director Adjunto  
**Start date:** 06/06/2001  
**Type of contract:** Permanent employment contract      **Dedication regime:** Full time

**Primary (UNESCO code):** 240119 - Marine zoology

**Secondary (UNESCO code):** 240601 - Bioacoustics

**Tertiary (UNESCO code):** 240102 - Animal behaviour

**Performed tasks:** Responsable de la gestión de proyectos de conservación e investigación de medio marino financiados e implementados por Loro Parque Fundación. Responsable del sistema de gestión de Calidad, medioambiente y sostenibilidad de Loro Parque, certificado según los estándares ISO14000, EMAS III, Biosphere Parks e ISO9000. Responsable de Educación Ambiental de Loro Parque. Responsable de la tutorización de alumnos de grado y postgrado. Responsable de la implantación del sistema de gestión de la calidad certificado con el estándar ISO9000 en Loro Parque y Siam Park.

**Identify key words:** Oceanography

**Previous positions and activities**

	<b>Employing entity</b>	<b>Professional category</b>	<b>Start date</b>
<b>1</b>	Fundación Canaria ICSE	Profesor	31/01/2005
<b>2</b>	Fundación Canaria ICSE	Profesor	25/11/2004
<b>3</b>	Fundación Canaria ICSE	Profesor	04/10/2004
<b>4</b>	FUNDACIÓN CANARIA ICSE	Profesor	03/05/2004
<b>5</b>	Fundación Canaria ICSE	Profesor	19/03/2004
<b>6</b>	FUNDACIÓN CANARIA ICSE	Profesor	17/11/2003
<b>7</b>	FUNDACIÓN CANARIA ICSE	Profesor	27/09/2002



	Employing entity	Professional category	Start date
8	LORO PARQUE FUNDACIÓN	EDUCADOR	12/01/1999

- 1** **Employing entity:** Fundación Canaria ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 31/01/2005 - 31/03/2005 **Duration:** 2 months  
**Performed tasks:** Tutoría personal de los alumnos de la acción FDT002 "Educación Ambiental"
- 2** **Employing entity:** Fundación Canaria ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 25/11/2004 - 02/12/2004 **Duration:** 7 days  
**Performed tasks:** Impartición del curso FP0112 "Prevención de Riesgos Ambientales en la Empresa: Análisis y Evaluación"
- 3** **Employing entity:** Fundación Canaria ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 04/10/2004 - 24/10/2004 **Duration:** 20 days  
**Performed tasks:** Redactar el contenido didáctico de las Guías de las buenas Prácticas Sectoriales de la acción EGP002 y EGT001.
- 4** **Employing entity:** FUNDACIÓN CANARIA ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 03/05/2004 - 23/05/2004 **Duration:** 20 days  
**Performed tasks:** Desarrollar contenidos para los cursos on line EDUCACIÓN AMBIENTAL (EFT002)
- 5** **Employing entity:** Fundación Canaria ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 19/03/2004 - 27/03/2004 **Duration:** 8 days  
**Performed tasks:** IMPARTICIÓN DEL CURSO ENERGÍAS RENOVABLES Y MEDIO AMBIENTE (FP0332)
- 6** **Employing entity:** FUNDACIÓN CANARIA ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 17/11/2003 - 30/11/2003 **Duration:** 14 days  
**Performed tasks:** Impartición del Curso Educación Ambiental (FP0032)
- 7** **Employing entity:** FUNDACIÓN CANARIA ICSE **Type of entity:** Foundation  
**Professional category:** Profesor  
**Start-End date:** 27/09/2002 - 15/11/2002 **Duration:** 1 month - 15 days  
**Performed tasks:** Impartición del curso EDUCACIÓN MEDIOAMBIENTAL
- 8** **Employing entity:** LORO PARQUE FUNDACIÓN  
**Professional category:** EDUCADOR **Educational Management (Yes/No):** No  
**Start-End date:** 12/01/1999 - 05/06/2001 **Duration:** 2 years - 4 months - 23 days  
**Type of contract:** Permanent employment contract



## Education

### University education

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

**University degree:** Higher degree

**Name of qualification:** Ciencias del Mar

**Degree awarding entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University

**Date of qualification:** 28/07/1993

#### Doctorates

**Doctorate programme:** Programa Oficial de Doctorado en Ciencias del Mar

**Degree awarding entity:** Universidad de las Palmas de Gran Canaria **Type of entity:** University

**Date of degree:** 10/12/1998

**Thesis title:** Estudio de las características tráficas y modernización del ecosistema de la Charca de Maspalomas

**Obtained qualification:** Cum laude

#### Other postgraduate university studies

**Type of education:** Masters

**Postgraduate qualification:** Master en gestión medio ambiental

**Degree awarding entity:** INSTITUTO DE INVESTIGACIONES ECOLOGICAS

**Date of qualification:** 22/11/1994

**Obtained qualification:** Sobresaliente

### Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

**Training title:** Environmental Management Systems Auditor/Lead Auditor training course. Course No. A14478 certified by the International Register of Certified Auditors (IRCA)

**Awarding entity:** Bureau Veritas

**Type of entity:** Business

**End date:** 03/08/2010

**Duration in hours:** 40 hours



## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C2	C2	C1	C1	C1

## Teaching experience

### Experience supervising doctoral thesis and/or final year projects

- Project title:** Análisis del comportamiento vocal en Orcinus orca  
**Entity:** Universidad de Alicante **Type of entity:** University  
**Student:** Marta Ojeda González  
**Obtained qualification:** 9  
**Date of reading:** 07/2015
- Project title:** Research on the vocal culture of Orcinus orca in the Loro Parque, Tenerife: a pilot study  
**Entity:** Alma Mater Studiorum Universita di Bologna **Type of entity:** University  
**Student:** Chiara Ivaldi  
**Date of reading:** 2011

### Student tutorials

- Name of the programme:** Educational aid  
**Entity:** LORO PARQUE FUNDACIÓN  
**City of entity:** Puerto de la Cruz, Canary Islands, Spain  
**Number of recognized hours/ECTS credits:** 2.850  
**Number of tutored students:** 23
- Name of the programme:** Doctorate  
**Entity:** LORO PARQUE FUNDACIÓN  
**City of entity:** Puerto de la Cruz, Canary Islands, Spain  
**Frequency of the activity:** 2  
**Number of tutored students:** 2



## 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:** Personality, Welfare and Subjective well-being in captive killer whales (*Orcinus orca*)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Fundación Mona **Type of entity:** Foundation  
**Name principal investigator (PI, Co-PI....):** Dietmar Todt; Alexander Weiss; Miquel Llorente; Javier Almunia Portolés; Yulan Úbeda  
**Nº of researchers:** 5  
**Type of participation:** Team member  
**Start-End date:** 01/01/2016 - 31/12/2016  
**Total amount:** 20.000 €
- 2** **Name of the project:** Assessment of organic pollutant levels in short-finned pilot whales (*G. macrorhynchus*) and striped dolphin (*S. coeruleoalba*) from the Canary Islands  
**Entity where project took place:** Instituto Universitario de Sanidad Animal y Seguridad Alimentaria **Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI....):** Antonio Fernández; Natalia García Álvarez; Javier Almunia Portolés  
**Nº of researchers:** 3  
**Start-End date:** 2014 - 2016  
**Total amount:** 75.000 €
- 3** **Name of the project:** Determinación de una línea base de la concentración de cortisol en saliva para delfines mulares  
**Geographical area:** European Union  
**Degree of contribution:** Researcher  
**Entity where project took place:** LORO PARQUE FUNDACIÓN  
**City of entity:** Puerto de la Cruz, Canary Islands, Spain  
**Name principal investigator (PI, Co-PI....):** Francisco Javier Almunia Portolés  
**Nº of researchers:** 4  
**Type of participation:** Principal investigator  
**Start-End date:** 01/01/2015 - 31/12/2015  
**Total amount:** 17 €  
**Dedication regime:** Part time
- 4** **Name of the project:** Behavioural and bioacoustic study of the killer whales (*Orcinus orca*)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Free University of Berlin **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Francisco Javier Almunia Portolés; Paula Sánchez Hernández; Miguel Molina Borja; Dietmar Todt  
**Nº of researchers:** 4



**Type of participation:** Principal investigator  
**Start-End date:** 01/01/2013 - 31/12/2014  
**Total amount:** 44.000 €

- 5** **Name of the project:** Marcadores de contaminación en delfines mulares en Canarias  
**Entity where project took place:** Instituto Universitario de Sanidad Animal y Seguridad Alimentaria  
**Type of entity:** University Research Institute  
**City of entity:** Canary Islands, Spain  
**Name principal investigator (PI, Co-PI...):** Antonio Fernández; Natalia García Álvarez; Francisco Javier Almunia Portolés  
**Nº of researchers:** 3  
**Start-End date:** 2010 - 2014  
**Total amount:** 90.000 €  
**Relevant results:** Primeros datos de la concentración de POPs en el Atlántico Norte, tanto en delfines molares vivos y en bancos de tejidos históricos

- 6** **Name of the project:** Obtención de varios kit de diagnóstico para determinar la presencia de anticuerpos específicos frente a diferentes patógenos en suero de Orcinus orca  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Entity where project took place:** Instituto Universitario de Enfermedades Tropicales y Salud Pública de Canarias  
**Type of entity:** University Research Institute  
**Name principal investigator (PI, Co-PI...):** Basilio Valladares; María José Bernal Guadarrama  
**Nº of researchers:** 2  
**Funding entity or bodies:** LORO PARQUE FUNDACIÓN  
**City funding entity:** Spain  
**Type of participation:** Co-ordinator  
**Start-End date:** 01/01/2006 - 31/12/2009  
**Total amount:** 45.000 €

- 7** **Name of the project:** Patrones de Alimentación de orcas (Orcinus orca) en el Estrecho de Gibraltar a partir de perfiles de isótopos estables (13C y 15N) medidos en ejemplares en libertad y en ejemplares en cautividad  
**Type of project:** Basic research (including archaeological digs, etc)  
**Degree of contribution:** Researcher  
**Entity where project took place:** Conservación, Información y Estudios sobre los Cetáceos  
**Type of entity:** Asociación  
**City of entity:** Spain  
**Name principal investigator (PI, Co-PI...):** Renaud de Stephanis; Ángel Baltanás; Susana García Tiscar; Francisco Javier Almunia Portolés  
**Nº of researchers:** 4  
**Type of participation:** Team member  
**Start-End date:** 2005 - 2009  
**Total amount:** 98.570 €  
**Relevant results:** eterminación de los índices de fraccionamiento isotópico en Orcinus orca, establecimiento de las especies de presas críticas para la alimentación de la población de orcas del Estrecho de Gibraltar  
**Dedication regime:** Part time



**8 Name of the project:** FRENTE**Type of project:** Basic research (including archaeological digs, etc)**Degree of contribution:** Technician**Entity where project took place:** Universidad de las Palmas de Gran Canaria **Type of entity:** University**City of entity:** Spain**Funding entity or bodies:**Comisión Interministerial de Ciencia y Tecnología **Type of entity:** Comisión Interministerial**City funding entity:** Madrid, Community of Madrid, Spain**Type of participation:** Team member**Start-End date:** 1996 - 1998**Participating entity/entities:** Centro Oceanográfico de Canarias**Dedication regime:** Part time**Applicant's contribution:** Análisis de parámetros microbiológicos (ETS, abundancia de fitoplancton, concentración de oxígeno disuelto, producción primaria, materia orgánica particulada y materia orgánica disuelta) y toma de datos físicos (temperatura, presión, salinidad, y fluorescencia) con un CTD; calibración del fluorímetro y del salinómetro; procesado de los datos de ETS, extracción de datos de los "CTD casts".**9 Name of the project:** Influencia de las ondas internas de mareas sobre la productividad en aguas costeras de Canarias**Degree of contribution:** Current university student**Entity where project took place:** Universidad de las Palmas de Gran Canaria **Type of entity:** University**City of entity:** Canary Islands, Spain**Funding entity or bodies:**

Gobierno Autónomo de Canarias

**Type of participation:** Team member**Start-End date:** 1993 - 1995**Applicant's contribution:** Análisis de parámetros microbiológicos (ETS, abundancia de fitoplancton, concentración de oxígeno disuelto) y toma de datos físicos (temperatura, presión, salinidad, y fluorescencia) con un CTD.**10 Name of the project:** Coastal Transition Zone- Islas Canarias**Degree of contribution:** Technician**Entity where project took place:** Universidad de las Palmas de Gran Canaria **Type of entity:** University**City of entity:** Spain**Funding entity or bodies:**

Marine Science and Technology Projects

**Type of entity:** Agencia Europea**Type of participation:** Team member**Start-End date:** 1990 - 1993**Participating entity/entities:** Centro Oceanográfico de Canarias**Dedication regime:** Part time**Applicant's contribution:** Análisis de parámetros microbiológicos (ETS, abundancia de fitoplancton, concentración de oxígeno disuelto, producción primaria y materia orgánica particulada).**11 Name of the project:** Creación de herramientas informáticas e investigación de los parámetros de significación la cultura vocal de Orcinus orca**Degree of contribution:** Researcher**Entity where project took place:** Universidad de La Laguna **Type of entity:** University



**Type of production:** Scientific paper

**Format:** Journal

- 7 R. Puig-Lozano; Y. Bernaldo de Quirós; J. Díaz-Delgado; N. García-Álvarez; E. Sierra; J. De la Fuente; S. Sacchini; C. M. Suárez-Santana; D. Zucca; N. C<sup>^</sup>mará; P. Saavedra; Javier Almunia; M. A. Rivero; A. Fernández; M. Arbelo. Retrospective study of foreign body-associated pathology in stranded cetaceans, Canary Islands (2000–2015). *Environmental Pollution*. 243, pp. 519 - 527. Elsevier Ltd, 12/2018. ISSN 18736424

**Type of production:** Scientific paper

**Format:** Journal

- 8 Jean Pierre Desforges; Milton Levin; Lindsay Jasperse; Sylvain De Guise; Igor Eulaers; Robert J. Letcher; Mario Acquarone; Erling Nordoy; Lars P. Folkow; Trine Hammer Jensen; Carsten Grøndahl; Mads F. Bertelsen; Judy St Leger; Javier Almunia; Christian Sonne; Rune Dietz. Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. *Environmental Science and Technology*. 51 - 19, pp. 11431 - 11439. American Chemical Society, 10/2017. Available on-line at: <<https://pubs.acs.org/doi/abs/10.1021/acs.est.7b03532>>. ISSN 15205851

**Type of production:** Scientific paper

**Format:** Journal

- 9 T. Monreal-Pawlowsky; A. Carbajal; O. Tallo-Parra; M. Sabés-Alsina; L. Monclús; Javier Almunia; H. Fernández-Bellón; M. Lopez-Bejar. Daily salivary cortisol levels in response to stress factors in captive common bottlenose dolphins (*Tursiops truncatus*): A potential welfare indicator. *Veterinary Record*. 180 - 24, pp. 593 - 593. British Veterinary Association, 06/2017. Available on-line at: <<https://veterinaryrecord.bmj.com/content/180/24/593.1>> <<https://veterinaryrecord.bmj.com/content/180/24/593.1.abstract>>. ISSN 00424900

**Type of production:** Scientific paper

**Format:** Journal

- 10 Joan Giménez; Francisco Ramírez; Manuela G Forero; Javier Almunia; Renaud de Stephanis; Joan Navarro. Lipid effects on isotopic values in bottlenose dolphins (*Tursiops truncatus*) and their prey with implications for diet assessment. *Marine Biology*. 164 - 6, pp. 122 - 122. Springer Berlin Heidelberg, 06/2017. Available on-line at: <<http://link.springer.com/10.1007/s00227-017-3154-5>>. ISSN 0025-3162

**Type of production:** Scientific paper

**Format:** Journal

- 11 Joan Giménez; Francisco Ramírez; Manuela G. Forero; Javier Almunia; Renaud de Stephanis; Joan Navarro. Lipid effects on isotopic values in bottlenose dolphins (*Tursiops truncatus*) and their prey with implications for diet assessment. *Marine Biology*. 164 - 6, pp. 1 - 9. Springer Verlag, 06/2017. Available on-line at: <<https://link.springer.com/article/10.1007/s00227-017-3154-5>>. ISSN 00253162

**Type of production:** Scientific paper

**Format:** Journal

- 12 T. Monreal-Pawlowsky; A. Carbajal; O. Tallo-Parra; M. Sabés-Alsina; L. Monclús; Javier Almunia; H. Fernández-Bellón; M. Lopez-Bejar. Daily salivary cortisol levels in response to stress factors in captive common bottlenose dolphins (*Tursiops truncatus*): a potential welfare indicator. *Veterinary Record*. 180 - 24, pp. 593.1 - 593. 2017. Available on-line at: <<http://veterinaryrecord.bmj.com/lookup/doi/10.1136/vr.103854>>. ISSN 0042-4900

**Type of production:** Scientific paper

**Format:** Journal

- 13 Jean Pierre Desforges; Milton Levin; Lindsay Jasperse; Sylvain De Guise; Igor Eulaers; Robert J. Letcher; Mario Acquarone; Erling Nordoy; Lars P. Folkow; Trine Hammer Jensen; Carsten Grøndahl; Mads F. Bertelsen; Judy St Leger; Javier Almunia; Christian Sonne; Rune Dietz. Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. *Environmental Science and Technology*. 51 - 19, pp. 11431 - 11439. 2017. ISSN 15205851

**Type of production:** Scientific paper

**Format:** Journal

- 14 Joan Giménez; Francisco Ramírez; Javier Almunia; Manuela G. Forero; Renaud de Stephanis. From the pool to the sea: Applicable isotope turnover rates and diet to skin discrimination factors for bottlenose dolphins (*Tursiops truncatus*). *Journal of Experimental Marine Biology and Ecology*. 475, pp. 54 - 61. Elsevier, 02/2016. ISSN 00220981

**Type of production:** Scientific paper

**Format:** Journal



- 15** Joan Giménez; Francisco Ramírez; Javier Almunia; Manuela (G. Forero); Renaud de Stephanis. From the pool to the sea: Applicable isotope turnover rates and diet to skin discrimination factors for bottlenose dolphins (*Tursiops truncatus*). *Journal of Experimental Marine Biology and Ecology*. 475, pp. 54 - 61. Elsevier B.V., 2016. Available on-line at: <<http://dx.doi.org/10.1016/j.jembe.2015.11.001>>. ISSN 00220981, ISBN 0022-0981  
**Type of production:** Scientific paper **Format:** Journal
- 16** J. Giménez; F. Ramírez; Javier Almunia; M. (G. Forero); R. de Stephanis. From the pool to the sea: Applicable isotope turnover rates and diet to skin discrimination factors for bottlenose dolphins (*Tursiops truncatus*). *Journal of Experimental Marine Biology and Ecology*. 475, 2016. ISSN 00220981  
**Type of production:** Scientific paper **Format:** Journal
- 17** Ruth Esteban; Philippe Verborgh; Pauline Gauffier; Joan Giménez; Vidal Martín; Mónica Pérez-Gil; Marisa Tejedor; Javier Almunia; Paul D. Jepson; Susana García-Tiscar; Lance G. Barrett-Lennard; Christophe Guinet; Andrew D. Foote; Renaud (De Stephanis). Using a multi-disciplinary approach to identify a critically endangered killer whale management unit. *Ecological Indicators*. 66 - JULY, pp. 291 - 300. 2016. ISSN 1470160X, ISBN 1470160X  
**Type of production:** Scientific paper **Format:** Journal
- 18** K. Lucke; James J. Finneran; Javier Almunia; D.S. Houser. Variability in click-evoked potentials in killer whales (*Orcinus orca*) and determination of a hearing impairment in a rehabilitated killer whale. *Aquatic Mammals*. 42 - 2, 2016. ISSN 01675427  
**Type of production:** Scientific paper **Format:** Journal
- 19** Joan Jiménez; F. Ramírez; Javier Almunia; Manuela García Forero; Renaud de Stephanis. From the pool to the sea: Applicable isotope turnover rates and diet to skin discrimination factors for bottlenose dolphins (*Tursiops truncatus*). *Journal of Experimental Marine Biology and Ecology*. 2015.  
**Type of production:** Scientific paper **Format:** Journal
- 20** Natalia García-Álvarez; Luis D Boada; Antonio Fernández; Manuel Zumbado; Manuel Arbelo; Eva Sierra; Aina Xuriach; Javier Almunia; María Camacho; Octavio P Luzzardo. Assessment of the levels of polycyclic aromatic hydrocarbons and organochlorine contaminants in bottlenose dolphins (*Tursiops truncatus*) from the Eastern Atlantic Ocean. *Marine environmental research*. 100, pp. 48 - 56. Elsevier, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 21** María José Bernal-Guadarrama; Joan Salichs; Javier Almunia; Daniel García-Parraga; Nuhacet Fernández-Gallardo; María Ángeles Santana-Morales; Víctor Pacheco; Raquel N Afonso-Lehmann; Daniel Déniz; Jacob Lorenzo-Morales. Development of an indirect immunofluorescence technique for the diagnosis of toxoplasmosis in bottlenose dolphins. *Parasitology research*. 113 - 2, pp. 451 - 455. Springer Berlin Heidelberg, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 22** Natalia García-Alvarez; Vidal Martín; Antonio Fernández; Javier Almunia; Aina Xuriach; Manuel Arbelo; Marisa Tejedor; Luis D Boada; Manuel Zumbado; Octavio P Luzzardo. Levels and profiles of POPs (organochlorine pesticides, PCBs, and PAHs) in free-ranging common bottlenose dolphins of the Canary Islands, Spain. *Science of the Total Environment*. 493, pp. 22 - 31. Elsevier, 2014.  
**Type of production:** Scientific paper **Format:** Journal
- 23** Dorothee Kremers; Alban Lemasson; Javier Almunia; Ralf Wanker. Vocal sharing and individual acoustic distinctiveness within a group of captive orcas (*Orcinus orca*). *Journal of Comparative Psychology*. 126 - 4, pp. 433 - 433. American Psychological Association, 2012.  
**Type of production:** Scientific paper **Format:** Journal



- 24** JP Luke; J Almunia; F Rosa. FRAMEWORK FOR DEVELOPING PROTOTYPE BIOACOUSTIC DEVICES IN AID OF OPEN SEA KILLER WHALE PROTECTION. *Bioacoustics*. 20 - 3, pp. 287 - 296. Taylor & Francis, 2011.  
**Type of production:** Scientific paper **Format:** Journal
- 25** Jonas Philipp Luke; José G Marichal-Hernández; Fernando Rosa; Javier Almunia. Real time automatic detection of *Orcinus orca* vocalizations in a controlled environment. *Applied Acoustics*. 71 - 8, pp. 771 - 776. Elsevier, 2010.  
**Type of production:** Scientific paper **Format:** Journal
- 26** J Luke; F Rosa; J Almunia. Sistema para la detección de senales bioacústicas de orcinus orca en loro parque. *Actas del XXIV Simposium Nacional de la Unión Científica Internacional de Radio (URSI 2009)*. 2009.  
**Type of production:** Scientific paper **Format:** Journal
- 27** Susana García Tiscar; Javier Almunia Portolés; Renaud De Stephanis; Ester Molina; Phillippe Verborgh; Ruth Esteban; Maria Carbo; Sergi P{\'e}rez; Angel Baltan{\'a}s. Conservación de orcas en el Estrecho de Gibraltar a través del estudio de su dieta. *Almoraima*. 37, pp. 97 - 108. 2008.  
**Type of production:** Scientific paper **Format:** Journal
- 28** Javier Arístegui Ruíz; Michel Denis; Javier Almunia Portolés; María F Montero del Pino. Water-column remineralization in the Indian sector of the Southern Ocean during early spring. *Deep Sea Research Part II: Topical Studies in Oceanography*. 49 - 9, pp. 1707 - 1720. Elsevier, 2002.  
**Type of production:** Scientific paper **Format:** Journal
- 29** Javier Almunia Portolés; Gotzon Basterretxea Oyarzabal; Javier Arístegui Ruíz; Robert Ulanowicz. Benthic-pelagic switching in a coastal subtropical lagoon. *Estuarine, Coastal and Shelf Science*. 49 - 3, pp. 363 - 384. Elsevier, 1999.  
**Type of production:** Scientific paper **Format:** Journal
- 30** ED Barton; J Ar{\'i}stegui; P Tett; M Cant{\'o}n; J Garc{\'i}a-Braun; S Hern{\'a}ndez-Le{\'o}n; L Nykjaer; C Almeida; J Almunia; S Ballesteros; others. The transition zone of the Canary Current upwelling region. *Progress in Oceanography*. 41 - 4, pp. 455 - 504. Elsevier, 1998.  
**Type of production:** Scientific paper **Format:** Journal
- 31** Cirpiano Marín; Javier Almunia Portolés. *Iniciativa Macaronesia*. pp. 153. Centro UNESCO Canarias, 2010.  
**Type of production:** Popular science book **Format:** Book  
**Degree of contribution:** Editor or co-editor
- 32** Mercedes García Muñoz; Javier Almunia Portolés. *Hacia un modelo de desarrollo turístico sostenible, competitivo y solidario. Por un turismo sostenible en Canarias: Guía de buenas prácticas ambientales para el sector turístico*. pp. 270. Fundación ICSE y Fundación Biodiversidad, 2005. ISBN 84-931986-1-7  
**Type of production:** Popular science book **Format:** Book
- 33** Francisco Javier Almunia Portolés. *Red SANICET, un primer paso para la conservación de los cetáceos en la Macaronesia*. *Comunicaciones Técnicas del Congreso Nacional de Medio Ambiente - CONAMA 2014*. 2014. ISBN 978-84-697-2060-8  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report
- 34** Towards the establishment of a Marine Protected Area for cetaceans in Macaronesia. *Conserving cetaceans and manatees in the western African Region*. 26, pp. 64 - 68. CMS Technical Series, 2012.  
**Type of production:** Scientific-technical report **Format:** Scientific and technical document or report





## Works submitted to national or international conferences

- 1** **Title of the work:** Análisis of call sequences in *Orcinus orca*  
**Name of the conference:** 45th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Genoa, Italy  
**Date of event:** 09/03/2017  
**End date:** 11/03/2017  
**Organising entity:** European Association for Aquatic Mammals  
**City organizing entity:** Brussels, Belgium  
Héctor Morales; Estela Lalueza; Javier Almunia.
- 2** **Title of the work:** Análisis of cohesion calls in *Orcinus orca*  
**Name of the conference:** 45th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Genoa, Italy  
**Date of event:** 09/03/2017  
**End date:** 11/03/2017  
**Organising entity:** European Association for Aquatic Mammals  
**City organizing entity:** Brussels, Belgium  
Estela Lalueza; Héctor Morales; Javier Almunia.
- 3** **Title of the work:** Multi facility study to determine a salivary cortisol baseline in *Tursiops truncatus*  
**Name of the conference:** 45th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Genoa, Italy  
**Date of event:** 09/03/2017  
**End date:** 11/03/2017  
**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups  
**City organizing entity:** Brussels, Belgium  
Inés Álvarez; Yaiza Martín; Isabella Clegg; Manel López Béjar; Tania Monreal Pawlowsky; Javier Almunia.
- 4** **Title of the work:** Personality assessment in captive killer whales (*Orcinus orca*): a trait rating approach  
**Name of the conference:** 45th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Genoa, Italy  
**Date of event:** 09/03/2017  
**End date:** 11/03/2017  
**Organising entity:** European Association for Aquatic Mammals  
**City organizing entity:** Brussels, Belgium  
Yulán Úbeda; Judy St. Leger; Javier Almunia.
- 5** **Title of the work:** Comparing day and night vocalizations in *Orcinus orca*  
**Name of the conference:** 44th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Benidorm, Spain  
**Date of event:** 11/03/2016  
**End date:** 14/03/2016  
**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups  
**City organizing entity:** Brussels, Belgium  
Charlotte Kirchner; Marta Ojeda; Javier Almunia.



- 6** **Title of the work:** Multi facility study to determine a salivary cortisol baseline in Tursiops truncatus  
**Name of the conference:** 44th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Benidorm, Spain  
**Date of event:** 11/03/2016  
**End date:** 14/03/2016  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Brussels, Belgium  
Inés Álvarez; Yaiza Martin; Isabella Clegg; Manel López Béjar; Tania Monreal Pawlowsky; Javier Almunia.
- 7** **Title of the work:** Personality in Zoo-Housed Killer whales: a rating approach based on Five Factor Model  
**Name of the conference:** 44th Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Benidorm, Spain  
**Date of event:** 11/03/2016  
**End date:** 14/03/2016  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
Yulan Úbeda; Miquel Llorente; Javier Almunia.
- 8** **Title of the work:** Looking for number of degrees of freedom at Orcinus orca calls for the design of a classifier  
**Name of the conference:** XXV International Bioacoustics Congress  
**Type of event:** Conference  
**Geographical area:** Non EU International  
**Type of participation:** 'Participatory - poster  
**Reasons for participation:** Open access  
**City of event:** Murnau, Germany  
**Date of event:** 07/09/2015  
**End date:** 12/09/2015  
**Organising entity:** International Bioacoustics Council  
Fernando Rosa; Jose Carlos Sanluis Leal; Jonas Phillip Luke; Javier Almunia Portolés.
- 9** **Title of the work:** Assessment of the levels of polycyclic aromatic hydrocarbons and organochlorine contaminants in bottlenose dolphins (Tursiops truncatus) from the Canary Islands, the Eastern Atlantic Ocean  
**Name of the conference:** 42nd Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Puerto de la Cruz, Canary Islands, Spain  
**Date of event:** 2014  
**Organising entity:** European Association of Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Natalia García Álvarez; O P-Luzardo; Vidal Martín; Antonio Fernández; Manuel Arbelo; E Sierra; A Xuriach; Marisa Tejedor; Javier Almunia Portolés; L D-Boada.
- 10** **Title of the work:** Developmental trajectory of dialect formation in Orcas (Orcinus orca) - A case study  
**Name of the conference:** 42nd Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Puerto de la Cruz, Canary Islands, Spain  
**Date of event:** 2014  
**Organising entity:** European Association of Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Javier Almunia Portolés; Jasmin Cirillo; B. G. Eshetu; Dietmar Todt.



- 11 Title of the work:** Identification of a hearing deficit in a stranded killer whale  
**Name of the conference:** 42nd Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Puerto de la Cruz, Canary Islands, Spain  
**Date of event:** 2014  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Dorian Houser; James Finneran; Javier Almunia; Klaus Lucke.
- 12 Title of the work:** Persistent Organic Pollutants (POPs) in the blubber and liver of 27 Bottlenose Dolphins (*Tursiops truncatus*) stranded along the coasts of Canary Islands from 1997 to 2011  
**Name of the conference:** 42nd Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Puerto de la Cruz, Canary Islands, Spain  
**Date of event:** 2014  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Natalia García Álvarez; O P-Luzardo; Antonio Fernández; Manuel Arbelo; A Xuriach; E Sierra; M R Suárez Hanna; M Zumbado; Javier Almunia; L D-Boada.
- 13 Title of the work:** Red SANICET, un primer paso para la conservación de los cetáceos de la Macaronesia  
**Name of the conference:** Congreso Nacional de Medio Ambiente  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 2014  
**Organising entity:** FUNDACION CONAMA  
Javier Almunia Portolés.
- 14 Title of the work:** Smart IP net to acquire and detect bio-sounds  
**Name of the conference:** 42nd Annual Symposium of the European Association for Aquatic Mammals  
**City of event:** Puerto de la Cruz, Canary Islands, Spain  
**Date of event:** 2014  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Juan Carlos Sanluis; Jonás Phillip Luke; Fernando Rosa; Javier Almunia Portolés.
- 15 Title of the work:** Where have all the old orcas gone?  
**Name of the conference:** 42nd Symposium of the European Association for Aquatic Mammals  
**City of event:** Puerto de la Cruz, Canary Islands, Spain  
**Date of event:** 2014  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Javier Almunia Portolés.
- 16 Title of the work:** Automatic localization by acoustic methods of "Orcinus orca" individuals at Loro Parque facilities  
**Name of the conference:** 40th Symposium of the European Association for Aquatic Mammals  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 2012  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups





**City organizing entity:** Bruselas, Belgium

Javier Almunia Portolés; José Carlos Sanluís; Jonás Phillip Luke; Fernando Rosa.

**17 Title of the work:** Central nucleus of amygdale, locus coeruleus and paraventricular nucleus of dolphin's brain: Where and why?

**Name of the conference:** 40th Symposium of the European Association for Aquatic Mammals

**City of event:** Madrid, Community of Madrid, Spain

**Date of event:** 2012

**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups

**City organizing entity:** Bruselas, Belgium

S Sacchini; C Bombardi; Antonio Fernández; E Sierra; Manuel Arbelo; M. Andrada; Yara Bernaldo de Quirós; Javier Almunia; P Herráez.

**18 Title of the work:** Citrobacter freundii septicemia in a newborn stranded Cuvier's beaked whale (Ziphius cavirostris)

**Name of the conference:** 40th Symposium of the European Association for Aquatic Mammals

**City of event:** Madrid, Community of Madrid, Spain

**Date of event:** 2012

**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups

**City organizing entity:** Bruselas, Belgium

Manuel Arbelo; Eva Sierra; Marisa Andrada; Antonio Espinosa de los Monteros; Josué Díaz Delgado; Miguel Rivero; Javier Almunia; Antonio Fernández.

**19 Title of the work:** Decompression like sickness in Risso's dolphins

**Name of the conference:** 40th Symposium of the European Association for Aquatic Mammals

**City of event:** Madrid, Community of Madrid, Spain

**Date of event:** 2012

**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups

**City organizing entity:** Bruselas, Belgium

Antonio Fernández; Yara Bernaldo de Quirós; Eva Sierra; Simona Sacchini; Marisa Andrada; Miguel Rivero; Danielle Zucca; Javier Almunia; Manuel Arbelo.

**20 Title of the work:** Development of a common repertoire in a new social group of orcas (Orcinus orca)

**Name of the conference:** 40th Symposium of the European Association for Aquatic Mammals

**City of event:** Madrid, Community of Madrid, Spain

**Date of event:** 2012

**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups

**City organizing entity:** Bruselas, Belgium

Javier Almunia Portolés; Jasmin Cirillo; Eshetu Belaynesh; Dietmar Todt.

**21 Title of the work:** Muscular atrophies in stranded cetaceans in Canary Islands Between 1996-2008

**Name of the conference:** 40th Symposium of the European Association for Aquatic Mammals

**City of event:** Madrid, Community of Madrid, Spain

**Date of event:** 2012

**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups

**City organizing entity:** Bruselas, Belgium



Antonio Espinosa de los Monteros; Marisa Andrada; Yara Bernaldo de Quirós; Simona Sacchini; Manuel Arbelo; Miguel Rivero; Javier Almunia Portolés; Pedro Herráez.

- 22** **Title of the work:** Pulmonary angiomas and Hemangioma in common dolphins (*Delphinus delphis*) stranded in Canary Islands  
**Name of the conference:** Symposium of the European Association for Aquatic Mammals  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 2012  
**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Josué Díaz Delgado; Manuel Arbelo; O Quesada; M Andrada; Javier Almunia Portolés; Antonio Fernández.
- 23** **Title of the work:** Diverging or converging: an orca's vocal dilemma?  
**Name of the conference:** 23th Meeting of the International Bioacoustics Council (IBAC)  
**Type of participation:** Participatory - oral communication  
**City of event:** La Rochelle, France  
**Date of event:** 12/09/2011  
**End date:** 16/09/2011  
**Organising entity:** International Bioacoustics Council (IBAC)  
Dorothee Kremers; Javier Almunia; Alban Lemasson; Ralf Wanker.
- 24** **Title of the work:** Canary Islands Cetacean Stranding Network: Pathological Diagnostic Laboratory (CetPathLab)  
**Name of the conference:** 39th Symposium of the European Association for Aquatic Mammals  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2011  
**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups  
**City organizing entity:** Barcelona, Catalonia, Spain  
Antonio Fernández; E Sierra; Y Bernaldo de Quirós; J Díaz Delgado; M Andrada; P Herráez; A Espinosa; J De la Fuente; Y Paz; D Zucca; S. Sacchini; Javier Almunia Portolés; Manuel Arbelo.
- 25** **Title of the work:** Parametric modeling of *Orcinus orca* calls as an aid for bioacoustic studies  
**Name of the conference:** 39th Symposium of the European Association for Aquatic Mammals  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2011  
**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Jonás Philippe Luke; Javier Almunia Portolés; Fernando Rosa.
- 26** **Title of the work:** The Loro Parque strategy for the in situ and ex situ conservation of cetaceans  
**Name of the conference:** 39th Symposium of the European Association for Aquatic Mammals  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 2011  
**Organising entity:** European Association for Aquatic Mammals **Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium



- 27** **Title of the work:** Individual specific vocal repertoire in captive orcas  
**Name of the conference:** 5th Annual Topical Meeting of the Ethologische Gesellschaft  
**City of event:** Berlin, Germany  
**Date of event:** 02/2010  
**Organising entity:** Ethologische Gesellschaft  
Dorothee Kremers; Javier Almunia; Ralf Wanker.
- 28** **Title of the work:** Individual Specific Vocal Repertoire in captive orcas (*Orcinus orca*)  
**Name of the conference:** 38th Annual Symposium of the European Association for aquatic Mammals  
**City of event:** Lisboa, Portugal  
**Date of event:** 2010  
**Organising entity:** European Association for Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
Dorothee Kremers; Javier Almunia Portolés; Ralf Wanker.
- 29** **Title of the work:** Sistema para la detección de señales bioacústicas de *Orcinus orca* en Loro Parque  
**Name of the conference:** XXIV Congreso de la Unión Científica Internacional de Radio (URSI)  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 09/2009  
**Organising entity:** Unión Científica Internacional de Radio  
**Type of entity:** Associations and Groups  
Jonás Philippe Luke; Fernando Rosa; Javier Almunia Portolés.
- 30** **Title of the work:** Creación de una herramienta de videoconferencia educativa "Nautilus"  
**Name of the conference:** Congreso Nacional Internet en el Aula: La Importancia de las TIC en las Aulas  
**City of event:** Madrid, Spain  
**Date of event:** 26/06/2008  
**End date:** 28/06/2008  
**Organising entity:** Plan Avanza. Ministerio de Educación  
Francisco Javier Almunia Portolés; María Fernández; Ruth Batista Dharandas.
- 31** **Title of the work:** Are the interactions with tuna fisheries a negative issue for the killer whales in the Strait of Gibraltar?  
**Name of the conference:** 22nd Annual Meeting of the European Cetacean Society  
**City of event:** Egmond aan Zee, Holland  
**Date of event:** 2008  
**Organising entity:** European Cetacean Society  
**Type of entity:** Associations and Groups  
Ruth Esteban; Philippe Verborgh; Perez, S.; Jaget, Y.; Susanna García Tiscar; Guinet, C.; Javier Almunia Portolés; Renaud de Stephanis.
- 32** **Title of the work:** Desarrollo de una técnica de inmunofluorescencia indirecta para el diagnóstico de toxoplasmosis en delfines mulares  
**Name of the conference:** XXII Congreso Anual de la European Association for Aquatic Mammals  
**City of event:** Kolmarden, Sweden  
**Date of event:** 2008  
**Organising entity:** European Association of Aquatic Mammals  
**Type of entity:** Associations and Groups  
**City organizing entity:** Bruselas, Belgium  
María José Bernal Guadarrama; Joan Salichs; Javier Almunia Portolés; Enrique Martínez Carretero; Basilio Valladares.



- 33** **Title of the work:** El papel de las nuevas tecnologías de la información en la Educación Ambiental  
**Name of the conference:** Jornadas Interinsulares de Educación Ambiental  
**City of event:** La Laguna, Canary Islands, Spain  
**Date of event:** 2008  
**Organising entity:** CABILDO INSULAR DE TENERIFE  
**City organizing entity:** Santa Cruz de Tenerife, Canary Islands, Spain  
Javier Almunia Portolés; Ruth Batista Darandhas; María Fernández.
- 34** **Title of the work:** Herramientas de difusión y comunicación en Educación Ambiental  
**Name of the conference:** Jornadas Interinsulares de Educación Ambiental  
**City of event:** La Laguna, Canary Islands, Spain  
**Date of event:** 2008  
**Organising entity:** CABILDO INSULAR DE TENERIFE  
**City organizing entity:** Santa Cruz de Tenerife, Canary Islands, Spain  
Ruth Batista Darandhas; María Fernández.
- 35** **Title of the work:** Towards the establishment of a Marine Protected Area for Cetaceans in Micronesian waters  
**Name of the conference:** Western African Talks on Cetaceans and their Habitats  
**Corresponding author:** Yes  
**City of event:** Adeje, Canary Islands, Spain  
**Date of event:** 2008  
**Organising entity:** Convention on Migratory Species **Type of entity:** Organismo Internacional  
**City organizing entity:** Bonn, Germany  
Javier Almunia Portolés.
- 36** **Title of the work:** Towards the establishment of a Marine Protected Area for cetaceans in Macaronesia  
**Name of the conference:** Scientific Symposium of the Western African Talks on Cetaceans and their Habitats (WATCH)  
**City of event:** Adeje, Canary Islands, Spain  
**Date of event:** 18/10/2007  
**End date:** 20/10/2007  
**Organising entity:** Convention on Migratory Species **Type of entity:** Secretariado de Convención Internacional  
**City organizing entity:** Bonn,
- 37** **Title of the work:** How Captive killer whales can contribute to the conservation of wild populations: A case study using stable isotopes  
**Name of the conference:** 17th Biennial Conference of the Society for Marine Mammalogy  
**City of event:** Cape Town, South African Republic  
**Date of event:** 2007  
**Organising entity:** Society for Marine Mammalogy **Type of entity:** Associations and Groups  
Susana García Tiscar; Javier Almunia; Renaud De Stephanis; Ester Molina; Philippe Verborgh; Ruth Esteban; María Carbo; Sergi Pérez; Angel Baltanás.
- 38** **Title of the work:** Presentation of the interactive CD-ROM "Animales del Mundo"  
**Name of the conference:** European Zoo Educators Association Conference  
**City of event:** Winchester, United Kingdom  
**Date of event:** 2001  
**Organising entity:** European Association of Zoo Educators



Javier Almunia.

- 39** **Title of the work:** Water-column remineralization in the Indian sector of the Southern Ocean during early spring  
**Name of the conference:** 3rd SO-JGOFS International Symposium "Climatic changes and the cycle of carbon"  
**City of event:** Brest, France  
**Date of event:** 2000  
**Organising entity:** JGOFS **Type of entity:** Associations and Groups  
Michel Denis; Javier Almunia Portolés; María Fernanda Montero. "Water-column remineralization in the Indian sector of the Southern Ocean during early spring".
- 40** **Title of the work:** Activité respiratoire des assemblages microbiens: distribution verticale, variation temporelle, énergie d'activation  
**Name of the conference:** Antares III Workshop  
**City of event:** Montpellier, France  
**Date of event:** 1997  
**Organising entity:** Centre National de la recherche scientifique  
Javier Aristegui Ruiz; Michel Denis; Javier Almunia Portolés; María Fernanda Montero del Pino. "Rapport de la campagne Antares 3 (MD 102), Institut Français pour la Recherche et la Technologie Polaires (IFRTP). 97-2, 181-189."
- 41** **Title of the work:** Variations spatiales et temporelles de la concentration en glycolate dissous dans l'eau de mer lors de la campagne Antarès 3  
**Name of the conference:** Antares III Workshop  
**City of event:** Montpellier, France  
**Date of event:** 1997  
**Organising entity:** Centre National pour la recherche scientifique **Type of entity:** Public Research Body  
Christophe Le Boulanger; Javier Almunia Portolés.
- 42** **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:** Congreso Español de Estudios Antárticos  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 1996  
Kees van Lenning; Javier Almunia Portolés; Javier Aristegui Ruiz.
- 43** **Title of the work:** Biological characterization of an Upwelling filament  
**Name of the conference:** IEASO Summer School: Upwelling Systems: Eastern boundary of the Atlantic Ocean  
**City of event:** Las Palmas de Gran Canaria, Canary Islands, Spain  
**Date of event:** 1995  
**Organising entity:** European Institute for Advanced Studies in Oceanography **Type of entity:** Public Research Body  
Gotzon Basterretxea Oyarzabal; Kees van Lenning; Javier Almunia Portolés; Javier Aristegui Ruiz.



## Other dissemination activities

- 1** **Title of the work:** Morgan, seis años de protagonista  
**Type of event:** Media interviews  
**Date of event:** 28/08/2015  
En: La Opinión de Tenerife.
- 2** **Title of the work:** Las "marcas de rastrillo" en cautividad y en libertad  
**Type of event:** Media interviews  
**Date of event:** 27/08/2015  
"La Opinión de Tenerife".
- 3** **Title of the work:** Loro Parque lidera un proyecto para estudiar si los delfines sufren estrés en los zoos  
**Type of event:** Media interviews  
**Date of event:** 25/08/2015  
"La Opinión de Tenerife".
- 4** **Title of the work:** Tomarán saliva a 100 delfines de zoos para detectar su estrés  
**Type of event:** Media interviews  
**Date of event:** 25/08/2015  
"El Día".
- 5** **Title of the work:** Un test determinará el estrés en los delfines  
**Type of event:** Media interviews  
**Date of event:** 25/08/2015  
"La Provincia".
- 6** **Title of the work:** Analizarán nivel de estrés en los delfines a través de su saliva  
**Type of event:** Media interviews  
**Date of event:** 24/08/2015  
"Radio Televisión Española".
- 7** **Title of the work:** Delfines en Tierra  
**Type of event:** Media interviews  
**Date of event:** 26/06/2015  
"El Escarabajo Verde. Televisión Española".
- 8** **Title of the work:** La fundación de Loro Parque da a conocer sus proyectos en Bruselas  
**Type of event:** Media interviews  
**Date of event:** 26/06/2015  
"La Opinión de Tenerife".
- 9** **Title of the work:** Loro Parque presenta en Bruselas los proyectos de investigación  
**Type of event:** Media interviews  
**Date of event:** 24/06/2015  
"El Día".





- 10** **Title of the work:** Presentación en el Parlamento Europeo de la ponencia Research and conservation activities of the European Association for Aquatic Mammals  
**Name of the event:** 40 Years of Aquatic Mammals  
**Type of event:** Conferences given  
**City of event:** Bruselas, Belgium  
**Date of event:** 05/06/2015  
**Organising entity:** Parlamento Europeo  
**City organizing entity:** Bruselas, Belgium
- 11** **Title of the work:** Orcas en tres dimensiones. Investigadores de la universidad escocesa de St. Andrews prueban en Loro Parque un sistema de sonar para conocer el estado de la especie  
**Type of event:** Media interviews  
**Date of event:** 16/10/2014  
"La Opinión de Tenerife".
- 12** **Title of the work:** Delfines intoxicados. Un estudio revela un alto índice de contaminantes en los cetáceos del Archipiélago que afectan a sus sistemas  
**Type of event:** Media interviews  
**Date of event:** 21/08/2014  
"La Opinión de Tenerife".
- 13** **Title of the work:** Los delfines dan positivo en tóxicos. Los cetáceos de las islas acumulan niveles altos de contaminantes  
**Type of event:** Media interviews  
**Date of event:** 21/08/2014  
"Canarias 7".
- 14** **Title of the work:** Un estudio detecta contaminantes tóxicos en delfines de las Islas  
**Type of event:** Media interviews  
**Date of event:** 21/08/2014  
"El Día".
- 15** **Title of the work:** Loro Parque estrena una zona para concienciar en el respeto a la fauna  
**Type of event:** Media interviews  
**Date of event:** 17/08/2014  
"La Opinión de Tenerife".
- 16** **Title of the work:** Investigadores españoles consiguen marcar a una orca en el Estrecho  
**Type of event:** Media interviews  
**Date of event:** 22/08/2013  
"La Opinión de Tenerife".
- 17** **Title of the work:** Un grupo de investigadores logra marcar una orca para su seguimiento  
**Type of event:** Media interviews  
**Date of event:** 22/08/2013  
"La Provincia. Diario de las Palmas".
- 18** **Title of the work:** Hemos tenido que inventar un lenguaje de signos para Morgan  
**Type of event:** Media interviews  
**Date of event:** 17/05/2013  
"Cadena SER".



- 19** **Title of the work:** MORGAN SERVIRÁ PARA ESTUDIAR EL DIALECTO DE LAS ORCAS  
**Type of event:** Media interviews  
**Date of event:** 29/11/2012  
"Diario de Avisos".
- 20** **Title of the work:** Loro Parque planea actividades para concienciar sobre el cuidado de los cetáceos  
**Type of event:** Media interviews  
**Date of event:** 20/11/2012  
"La Opinión de Tenerife".
- 21** **Title of the work:** Los científicos confirman que la orca 'Morgan' padece una sordera grave  
**Type of event:** Media interviews  
**Date of event:** 16/11/2012  
"La Opinión de Tenerife".
- 22** **Title of the work:** Loro Parque acoge un estudio de la dieta de los delfines  
**Type of event:** Media interviews  
**Date of event:** 21/09/2012  
"El Día".
- 23** **Title of the work:** Un lenguaje de signos para 'Morgan'  
**Type of event:** Media interviews  
**Date of event:** 06/07/2012  
"La Opinión de Tenerife".
- 24** **Title of the work:** La ULL y Loro Parque Fundación investigan los sonidos de las orcas  
**Type of event:** Media interviews  
**Date of event:** 23/11/2011  
"El Día".
- 25** **Title of the work:** Las capturas accidentales amenazan a los pequeños cetáceos  
**Type of event:** Media interviews  
**Date of event:** 03/11/2011  
"Antena 3".
- 26** **Title of the work:** La pesca de atún amenaza a las orcas  
**Type of event:** Media interviews  
**Date of event:** 31/08/2011  
"La Opinión de Tenerife".
- 27** **Title of the work:** Las orcas de Loro Parque 'salvan' a sus congéneres  
**Type of event:** Media interviews  
**Date of event:** 31/08/2011  
"Diario de Avisos".
- 28** **Title of the work:** En busca del lenguaje de las orcas Loro Parque desarrolla un proyecto de bioacústica para interpretar los sonidos de los cetáceos  
**Type of event:** Media interviews  
**Date of event:** 21/08/2011  
"Diario de Avisos".





- 29** **Title of the work:** Humphrey se va en avión. La foca gris fue encontrada en febrero en Casablanca y trasladada al Loro Parque, donde logró recuperarse  
**Type of event:** Media interviews  
**Date of event:** 04/09/2008  
"La opinión de Tenerife".
- 30** **Title of the work:** La ULPGC investiga la nutrición de los cetáceos en cautivada  
**Type of event:** Media interviews  
**Date of event:** 22/08/2006  
"La Provincia. Diario de Las Palmas".
- 31** **Title of the work:** Los tiburones también van al médico  
**Type of event:** Media interviews  
**Date of event:** 30/07/2005  
"La Opinión de Tenerife".
- 32** **Title of the work:** Fundación Canaria 'Loro Parque culmina con éxito la liberación de las focas de Casco  
**Type of event:** Media interviews  
**Date of event:** 11/02/2002  
"Diario de Avisos".
- 33** **Title of the work:** El cielo en el Aula  
**Type of event:** CD-Rom divulgativo  
**Geographical area:** Regional  
Federico Fernández Porredón; Francisco Javier Almunia Portolés. Canary Islands (Spain): Servicio de publicaciones de la Caja General de Ahorros de Canarias, 2005. ISBN 84-7985-200-3
- 34** **Title of the work:** Loro Parque A Natural Paradise  
**Organising entity:** LORO PARQUE, S.A.  
**Type:** Popular science book  
Patricia Delponti Macchione; Francisco Javier Almunia Portolés. "Loro Parque A Natural Paradise". En: LORO PARQUE paraíso natural. Canary Islands (Spain): 2011. ISBN 978-84-930128-2-3  
**Legal deposit:** TF 58-2010
- 35** **Title of the work:** Loro Parque Ein Naturparadise  
**Organising entity:** LORO PARQUE, S.A.  
**Type:** Popular science book  
Patricia Delponti Macchione; Francisco Javier Almunia Portolés. "Loro Parque Ein Naturparadise". En: LORO PARQUE paraíso natural. Canary Islands (Spain): 2011. ISBN 978-84-930128-0-9  
**Legal deposit:** TF 57-2010
- 36** **Title of the work:** Loro Parque Paraíso Natural  
**Organising entity:** LORO PARQUE, S.A.  
**Type:** Popular science book  
Patricia Delponti Macchione; Francisco Javier Almunia Portolés. "Loro Parque Paraíso Natural". En: LORO PARQUE paraíso natural. Canary Islands (Spain): 2011. ISBN 978-84-930128-3-0  
**Legal deposit:** TF 718-2011

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

**Committee title:** Comité de Evaluación Científica del Parque Nacional Coiba  
**Affiliation entity:** Secretaría Nacional de Ciencia, Tecnología e Innovación (SENACYT) **Type of entity:** State agency  
**City affiliation entity:** Panama City, Panama  
**Start-End date:** 2008 - 2009

### Organization of R&D activities

**Title of the activity:** Symposium of the European Association of Aquatic Mammals  
**Type of activity:** Congreso científico **Geographical area:** Non EU International  
**Convening entity:** European Association of Aquatic Mammals **Type of entity:** Associations and Groups  
**City convening entity:** Bruselas, Belgium  
**Start-End date:** 14/03/2014 - 17/03/2014 **Duration:** 4 days

### R&D management

**Name of the activity:** Dirección científica de Loro Parque Fundación  
**Type of management:** Management of R&D&I actions and projects  
**Performed tasks:** Coordinación de los proyectos de investigación y conservación de medio marino financiados por la Fundación, supervisión de los resultados, redacción de informes para el Comité que aprueba los proyectos.  
**Entity:** LORO PARQUE FUNDACIÓN  
**Start date:** 2001 **Duration:** 14 years - 6 months  
**Average annual budget:** 150.000 **Nº of people:** 10  
**Geographical area:** Non EU International

### Evaluation and revision of R&D projects and articles

- Name of the activity:** Miembro del comité de evaluación científica  
**Performed tasks:** Evaluación de propuestas de proyectos de conservación para ser financiadas por la Secretaría Nacional de Ciencia, Tecnología e Innovación de Panamá  
**Entity where activity was carried out:** Secretaría Nacional de Ciencia, Tecnología e Innovación (SENACYT) **Type of entity:** State agency  
**City of entity:** Panama  
**Start-End date:** 2008 - 2009
- Performed tasks:** Manuscript refereeing  
**Entity where activity was carried out:** Proceedings of the Royal Society B: Biological Sciences **Type of entity:** Revista científica  
**Frequency of the activity:** 1  
**Start date:** 2014



## Other achievements

### Stays in public or private R&D centres

- 1** **Entity:** University of Maryland **Type of entity:** University  
**Faculty, institute or centre:** Chesapeake Bay Laboratory  
**City of entity:** Solomons Island, United States of America  
**Start-End date:** 10/1998 - 12/1998 **Duration:** 2 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Elaboración de un modelo dinámico del ecosistema acuático de una laguna litoral
- 2** **Entity:** University of Maryland **Type of entity:** University  
**Faculty, institute or centre:** Chesapeake Bay Laboratory  
**City of entity:** Solomons Island, United States of America  
**Start-End date:** 04/1996 - 07/1996 **Duration:** 2 months  
**Goals of the stay:** Doctorate  
**Provable tasks:** Estudio de la metodología de análisis de parámetros ecológicos en modelos de redes tróficas Network análisis, desarrollada por el Prof. Ulanowicz.

### Obtained grants and scholarships

- 1** **Name of the grant:** Beca de Postgrado del Programa de Formación del Personal Investigador  
**Aims:** Pre-doctoral  
**Awarding entity:** MINISTERIO DE EDUCACION Y CIENCIA  
**Conferral date:** 1996 **Duration:** 2 years  
**End date:** 1998  
**Entity where activity was carried out:** Universidad de las Palmas de Gran Canaria
- 2** **Name of the grant:** Beca de postgrado de la Dirección General de Universidades e Investigación del Gobierno de Canarias  
**Aims:** Pre-doctoral  
**Awarding entity:** Gobierno de Canarias **Type of entity:** Gobierno  
**Conferral date:** 1994 **Duration:** 2 years  
**End date:** 1996  
**Entity where activity was carried out:** Universidad de las Palmas de Gran Canaria

### Other types of collaboration with researchers or technologists

- 1** **Description of the collaboration:** Campaña oceanográfica FRENTE 9703 Dinámica, Interacción y Efectos Biológicos de Filamentos, Remolinos y Estelas  
**Start date:** 06/1998 **Duration:** 15 days  
**Relevant results:** Toma de muestras para estudios taxonómicos y de estructura de tamaños de la población mediante citometría de flujo; experimentos de producción primaria por el método del oxígeno, toma de muestras para determinar el DOC y POC, actividad ETS, pigmentos, etc.



- 2** **Description of the collaboration:** Campaña Oceanográfica sobre la física y productividad en la confluencia Weddell-Scotia (Antártida) HE047 E-DOVETAIL  
**Start date:** 10/01/1998 **Duration:** 41 days  
**Relevant results:** Toma de muestras para la calibración del fluorímetro del CTD, toma de muestras para ETS y HPLC, citometría de flujo y COD. Experimentos de Producción primaria con el método del oxígeno y comparación con el método de la pp de CO<sub>2</sub>.
- 3** **Description of the collaboration:** Campaña Oceanográfica GAC 9510 Flujo de Carbono en la Región Canaria: Acoplamiento Costa-Océano  
**Start date:** 10/1995 **Duration:** 15 days  
**Relevant results:** Filtración de muestras para determinación de la actividad ETS del fitopláncton, cálculo de la producción primaria por el método del oxígeno, realización de perfiles físicos con un sensor CTD.
- 4** **Description of the collaboration:** Campaña oceanográfica ANTARES 3 (MD103)  
**Start date:** 26/06/1995 **Duration:** 42 days  
**Relevant results:** Muestreos para la determinación de indicadores metabólicos de la fotorrespiración del fitopláncton, extracción de sustancias orgánicas en estilen-glicol y concentración para la separación y determinación del ácido glicólico en el HPLC. Obtención de muestras y determinación a bordo de la actividad enzimática del sistema de transporte de electrones (ETS) del fitopláncton
- 5** **Description of the collaboration:** Campaña Oceanográfica HE011 proyecto MAST III  
**Start date:** 04/08/1993 **Duration:** 23 days  
**Relevant results:** Filtración para ETS, HPLC, muestreo de Producción Primaria y experimentos de producción primaria por el método del oxígeno.

## Scientific societies and professional associations

**Name of the society:** European Association for Aquatic Mammals  
**City affiliation entity:** Bruselas, Belgium  
**Nº of members:** 350  
**Start date:** 2000