

CURRICULUM VITAE –FULL VERSION-

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Academic Degrees:

Ph D in Biology (Universidad de Oviedo, Spain, 1990)

Graduate in Biology (M.Sc., Universidad de Oviedo, Spain, 1983).

Career:

Investigador (Staff Researcher, Instituto Español de Oceanografía, IEO, 1992-present)

Post-Doc Associate (Louisiana Universities Marine Consortium, USA, 1990-1991)

Lecturer (Universidad de Oviedo, Spain, 1989-1990)

Post-Graduate Student (Universidad de Oviedo, Spain, 1987-1989)

Research Fellow (Universidad de Oviedo, Spain, 1986)

Aquaculture Training Fellowship (CICYT-Spain, and IFREMER-La Tremblade, France, 1985-1986)

Research Fellow (Ramón Areces Foundation and Universidad de Oviedo, Spain, 1983-1984).

Keywords: plankton, primary production, nitrogen dynamics, food webs, microbial plankton, pelagic ecosystems, coastal ocean.

Publications: 68 articles and contributions to monographies (50 in SCI Journals)

Bode A, Lombas I, Anadón N (1984) Distribución espacial y movilidad de *Gibbula umbilicalis* (Mollusca, Gastropoda) en una costa rocosa expuesta. Actas do IV Simposio Iberico de Estudos do Benthos Marinho, Lisboa 21-25 May 1984. 2:115-124.

Lombas I, Bode, A., Anadon N (1984) Estudio del ciclo reproductor de *Gibbula umbilicalis* y *Monodonta lineata* en Asturias (Norte de España). Actas do IV Simposio Iberico de Estudos do Benthos Marinho, Lisboa 21-25 May 1984. 2:103-114.

Botas JA, Bode A, Fernández E, Anadón R (1988) Descripción de una intrusión de agua de elevada salinidad en el Cantábrico central: distribución de los nutrientes inorgánicos y su relación con el fitoplancton. *Inv Pesq* 52:561-574

Fernandez E, Acuña JL, Bode A, Cabal JA, Botas JA, Alvarez F (1988) Variations in particle size spectra through an estuarine plume front. *Inv Pesq* 52:549-560

Bode A (1989) Production of the intertidal chiton *Acanthochitona crinita* within a community of *Corallina elongata* (Rhodophyta). *J Moll Stud* 55:37-44

Botas J, Fernández E, Bode A, Anadón R (1989) Water masses off Central Cantabrian Coast. *Sci Mar* 53:755-761

Botas A, Fernández E, Bode A, Anadón R, Anadón E (1989) Datos básicos de las campañas "COCACE". I. Hidrografía, nutrientes, fitoplancton y seston en el Cantábrico central. *Rev Biol Univ Oviedo (suppl)* 1:1-80

Cabal JA, Fernández E, Acuña JL, Bode A, Botas A, Alvarez-Marqués F (1989) Distribución espacial del plancton en un frente costero. *Rev Biol Univ Oviedo* 7:77-89

Bode A, Fernández E, Botas A, Anadón R (1990) Distribution and composition of suspended particulate matter related to a shelf-break saline intrusion in the Cantabrian Sea (Bay of Biscay). *Oceanol Acta* 13:219-228

Bode A (1990) Distribución y dinámica de la materia particulada en suspensión en las aguas de la costa central asturiana. Ph.D. Thesis, Universidad de Oviedo, Spain

Botas JA, Fernández E, Bode A, Anadón R (1990) A Persistent Upwelling off the Central Cantabrian Coast (Bay of Biscay). *Est Coast Shelf Sci* 30:185-199

Dortch Q, Bode A, Twilley RR (1991) Nitrogen uptake and regeneration in surface waters of the Louisiana continental shelf influenced by the Mississippi River. *NECOP: Nutrient Enhanced Coastal Ocean Productivity. Workshop Proceedings*. Texas Sea Grant, Galveston, Texas

Fernández E, Bode A, Botas A, Anadón R (1991) Microplankton assemblages associated with saline fronts during a spring bloom in the Central Cantabrian Sea: differences in trophic structure between water bodies. *J Plankton Res* 13:1239-1256

Fernández E, Bode A (1991) Seasonal patterns of primary production in the Central Cantabrian Sea (Bay of Biscay). *Sci Mar* 55:629-636

- Bode A, Fernández E (1992) Variability of biochemical composition and size distributions of seston in the euphotic zone of the Bay of Biscay: implications for microplankton trophic structure. *Mar Biol* 114:147-155
- Bode A, Fernández E (1992) Influence of water-column stability on phytoplankton size and biomass succession patterns in the central Cantabrian Sea (Bay of Biscay). *J Plankton Res* 14:885-902
- Bode A, Casas B, Fernández E, Marañón E, Serret P, Varela M (1993) Variability of phytoplankton biomass and primary productivity in the shelf waters of the upwelling area of N-NW Spain. *ICES CM* 1993/C:53
- Fernández E, Cabal J, Acuña JL, Bode A, Botas A, García-Soto C (1993) Plankton distribution across a slope current-induced front in the southern Bay of Biscay. *J Plankton Res* 15:619-641
- Fernández E, Bode A (1993) Seasonal patterns of dark carbon incorporation by natural phytoplankton assemblages in the central cantabrian sea (bay of biscay). *Mar Ecol PSZNI* 14:175-183
- Bode A, Figueroa FL, Ruíz J (1994) Estimating the photosynthetic and detrital fractions of seston: A comparison of methods. Working Group 5 Report. *Sci Mar* 58:59-65
- Bode A, Varela M (1994) Planktonic carbon and nitrogen budgets for the N-NW Spanish shelf: The role of pelagic nutrient regeneration during upwelling events. *Sci Mar* 58:221-231
- Bode A, Casas B, Varela M (1994) Size-fractionated primary productivity and biomass in the Galician shelf (NW Spain): Netplankton versus nanoplankton dominance. *Sci Mar* 58:131-141
- Bode A, Varela M, Fernandez E, Arbones B, Gonzalez N, Carballo R, Alvarez MT, Anadon R, Barquero S (1994) Biological characteristics of the plankton associated to a shelf-break front off the Galician coast. *Gaia* 8:9-18
- Bode A (1994) Regeneración pelagica de nutrientes en el Mar Cantábrico: estimaciones de los flujos de nitrógeno basados en balances de masa. In: O Cendrero, I Olaso (Editors), IV Coloquio Internacional sobre Oceanografía del Golfo de Vizcaya. Fundación Botín, Santander, p 205-215.
- Fernández E, Bode A (1994) Succession of phytoplankton assemblages in relation to the hydrography in the southern Bay of Biscay: a multivariate approach. *Sci Mar* 58:191-205
- Bode A, Casas B, Fernández E, Marañón E, Serret P, Varela M (1995) Variability of phytoplankton biomass and primary productivity in the shelf waters of the upwelling area of N-NW Spain. In: E Hagen, AJ Da Silva (Editors) Dynamics of upwelling in the ICES area. International Council for the Exploration of the Sea, Copenhagen, p 71-72
- Bode A, Dortch Q (1996) Uptake and regeneration of inorganic nitrogen in coastal waters influenced by the Mississippi River: Spatial and seasonal variations. *J Plankton Res* 18:2251-2268
- Bode A, Casas B, Fernández E, Marañón E, Serret P, Varela M (1996) Phytoplankton biomass and production in shelf waters off NW Spain: spatial and seasonal variability in relation to upwelling. *Hydrobiologia* 341:225-234
- Varela M, Bode A, Alvarez M, Prego R, Canle M, Casas B, Lorenzo J, Mariño D, González I, Carballo R, Vilas M (1996) Sistema pelágico. In: J Ros (Editor) Seguimiento de la contaminación producida por el accidente del buque "Aegean Sea". Ministerio de Medio Ambiente, Madrid, p 15-63
- Bode A, Botas JA, Fernández E (1997) Nitrate storage by phytoplankton in a coastal upwelling environment. *Mar Biol* 129:399-406
- Casas B, Varela M, Canle M, González N, Bode A (1997) Seasonal variations of nutrients, seston and phytoplankton, and upwelling intensity off La Coruña (NW Spain). *Estuar Coast Shelf Sci.* 44:767-778
- Barquero S, Botas JA, Bode A (1998) Abundance and production of pelagic bacteria in the southern Bay of Biscay during summer. *Sci Mar* 62:83-90
- Barquero S, Cabal JA, Anadón R, Fernández E, Varela M, Bode A (1998) Ingestion rates of phytoplankton by copepod size fractions on a bloom associated with an off-shelf front off NW Spain. *J Plankton Res* 20:957-972
- Bode A, Varela M, Barquero S, Alvarez-Ossorio MT, González N (1998) Preliminary studies on the export of organic matter during phytoplankton blooms off La Coruña (North Western Spain). *J Mar Biol Ass UK* 78:1-15
- Bode A, Alvarez-Ossorio MT, González N (1998) Estimations of mesozooplankton biomass in a coastal upwelling area off NW Spain. *J Plankton Res* 20:1005-1014
- Bode A, Varela M (1998) Mesoscale estimations of primary production in shelf waters: a case study in the Golfo Artabro (NW Spain). *J Exp Mar Biol Ecol* 229:111-131
- Bode A, Varela M (1998) Primary production and phytoplankton in three Galician Rias Altas (NW Spain): seasonal and spatial variability. *Sci Mar* 62:319-330
- Casas B, Varela M, Bode A (1999) Seasonal succession of phytoplankton species on the coast of A Coruña (Galicia, northwest Spain). *Bol Inst Esp Oceanogr* 15:413-429
- Prego R, Varela M, Bode A, Canle M, Lorenzo J, Carballo R (1999) Oceanography of the Gulf Artabro (NW Iberian Peninsula) in early spring: General patterns. *Bol Inst Esp Oceanogr* 15:73-79
- Bode A, Barquero S, Varela M, Braun JG, Armas Dd (2001) Pelagic bacteria and phytoplankton in oceanic waters near the Canary Islands in summer. *Mar Ecol Prog Ser* 209:1-17

- Bode A, Varela M, Canle M, González N (2001) Dissolved and particulate organic nitrogen in shelf waters of northern Spain during spring. *Mar Ecol Prog Ser* 214:43-54
- Bode A, Castro CG, Doval MD, Varela M (2002) New and regenerated production and ammonium regeneration in the western Bransfield Strait region (Antarctica) during phytoplankton bloom conditions in summer. *Deep Sea Res II* 49:787-804
- Bode A, Varela M, Casas B, González N (2002) Intrusions of eastern North Atlantic central waters and phytoplankton in the north and northwestern Iberian shelf during spring. *J Mar Syst* 36:197-218
- Bode A, Carrera P, Lens S (2003) The pelagic foodweb in the upwelling ecosystem of Galicia (NW Spain) during spring: natural abundance of stable carbon and nitrogen isotopes. *ICES J Mar Sci* 60:11-22
- Bode A, Alvarez-Ossorio MT, Barquero S, Lorenzo J, Louro A, Varela M (2003) Seasonal variations in upwelling and in the grazing impact of copepods on phytoplankton off A Coruña (Galicia, NW Spain). *J Exp Mar Biol Ecol* 297:85-105
- Bode A (2003) Pelagic food webs in the northwestern Iberian Peninsula: biodiversity and processes. *Thalassas* 19:29
- González N, Bode A, Varela M, Carballo R (2003) Interannual variability in hydrobiological variables in the coast of A Coruña (NW Spain) from 1991 to 1999. *ICES Mar Sci Symp* 219:382-383
- Morán XAG, Calvo-Díez A, Nogueira E, Bode A, Varela M (2003) Picoplankton distribution along the N and NW Iberian coastal transition zone in late winter-early spring. *Thalassas* 19:189-190.
- Nogueira E, González-Nuevo G, Morán XAG, Varela M, Bode A (2003) Hydrological structures along the N and NW Iberian Shelf during winter-spring transition. *Thalassas* 19:65-66
- Teira E, Abalde J, Alvarez-Ossorio MT, Bode A, Cariño C, Cid A, Fernández E, González N, Lorenzo J, Valencia J, Varela M (2003) Plankton carbon budget in a coastal wind-driven upwelling station off A Coruña (NW Iberian Peninsula). *Mar Ecol Prog Ser* 265:31-43
- Valencia J, Abalde J, Bode A, Cid A, Fernández E, González N, Lorenzo J, Teira E, Varela M (2003) Variations in planktonic bacterial biomass and production, and phytoplankton blooms off A Coruña (NW Spain). *Sci Mar* 67:143-157
- Varela MM, Bode A, González N, Rodríguez C, Varela M (2003) Fate of organic matter in the Ria de Ferrol (Galicia, NW Spain): uptake by pelagic bacteria vs. particle sedimentation. *Acta Oecol* 24:S77-S86
- Varela MM, Barquero S, Bode A, Fernández E, González N, Teira E (2003) Microplanktonic regeneration of ammonium and dissolved organic nitrogen in the upwelling area of the NW of Spain: relationships with dissolved organic carbon production and phytoplankton size-structure. *J Plankton Res* 25:719-736
- Varela MM, Bode A, Castro B, Fernández E, Lorenzo J, Teira E, Varela M (2003) Monthly variations in microplanktonic production of particulate and dissolved organic carbon and nitrogen at a coastal site off NW Spain. *Thalassas* 19:203
- Bode A, Barquero S, González N, Alvarez-Ossorio MT, Varela M (2004) Contribution of heterotrophic plankton to nitrogen regeneration in the upwelling ecosystem of A Coruña (NW Spain). *J Plankton Res* 26:1-18
- Bode A, Alvarez-Ossorio MT (2004) Taxonomic versus trophic structure of mesozooplankton: a seasonal study of species succession and stable carbon and nitrogen isotopes in a coastal upwelling ecosystem. *ICES J Mar Sci* 61:563-571
- Bode A, Alvarez-Ossorio MT, Carrera P, Lorenzo J (2004) Reconstruction of trophic pathways between plankton and the North Iberian sardine (*Sardina pilchardus*) using stable isotopes. *Sci Mar* 68:165-178
- Bode A, Varela MM, Teira E, Fernández E, González N, Varela M (2004) Planktonic carbon and nitrogen cycling off NW Spain: variations in production of particulate and dissolved organic pools. *Aquat Microb Ecol* 37:95-107
- Bode A, Carrera P, Lorenzo J, Porteiro C, Santos MB, Cabanas JM (2004) Natural abundance of stable nitrogen isotopes reflect changes in pelagic food webs and mobility of size classes of the north Iberian sardine (*Sardina pilchardus*). *ICES CM 2004/Q:07*
- Bode A, Lorenzo J, Amezcua M, Valdés L, Varela M (2004) Low enrichment in stable isotopes of mesozooplankton suggests predominance of microbial food webs in the Central Cantabrian Sea. *ICES CM 2004/Q:08*
- Calvo-Díez A, Morán XAG, Nogueira E, Bode A, Varela M (2004) Picoplankton community structure along the N and NW Iberian coastal transition zone in late winter-early spring. *J Plankton Res* 28:1069-1081
- Estévez-Blanco P, Fernández E, Bode A, Castiñeira F, Lorenzo J, Varela M (2004) Primary production rates along the northwestern Iberian coastal transition zone estimated from Fast Repetition Rate (FRR) fluorometry. *ICES CM 2004/Q:03*
- Fernández E, Álvarez F, Anadón R, Barquero S, Bode A, García A, García-Soto C, Gil J, González N, Iriarte A, Mourinho B, Rodríguez F, Sánchez R, Teira E, Torres S, Valdés L, Varela M, Zapata M (2004) The spatial distribution of plankton communities in a Slope Water anticyclonic Oceanic eDDY (SWODDY) in the

- Southern Bay of Biscay. *J Mar Biol Ass UK* 84:501-517
- Nogueira E, González-Nuevo G, Bode A, Varela M, Morán XAG, Valdés L (2004) Comparison of biomass and size-spectra derived from Optical Plankton Counter data and net samples. Application to the assessment of mesozooplankton distribution in the NW and N Iberian shelf. *ICES J Mar Sci* 61:508-517
- Nogueira E, Bode A, Varela M, Morán XAG (2004) Pentadal variability (2000-2004) of thermohaline properties and chlorophyll a distribution in the NW and N Iberian shelf during the winter-spring transition. *ICES CM* 2004/P:04
- Varela MM, Bode A (2004) Release of dissolved organic nitrogen (DON) by microbial populations in the NW Iberian Peninsula shelf and adjacent open-ocean Atlantic waters. *ICES CM* 2004/Q:05
- Pérez V, Fernández E, Marañón E, Serret P, Varela R, Bode A, Varela M, Varela MM, Morán XAG, Woodward EMS, Kitidis V, García-Soto C (2005) Latitudinal distribution of microbial plankton abundance, production and respiration in the Equatorial Atlantic in autumn 2000. *Deep Sea Res* (in press)
- Varela MM, Bode A, Fernández E, González N, Kitidis V, Varela M, Woodward EMS (2005) Nitrogen uptake and dissolved organic nitrogen release in planktonic communities characterised by phytoplankton size-structure in the Central Atlantic Ocean. *Deep Sea Res* (in press)

Research Projects:

- Biology of populations of *Gibbula umbilicalis* and *Monodonta lineata* (MOLLUSCA, GASTROPODA) in the Asturias coast (Spain). Funded by Fundación Ramón Areces. From 1983 to 1984. (participant)
- Processes involved in the control of planktonic primary production in an upwelling area of the Mar Cantábrico (Spain). Project MAR88-0408. CICYT-Spain. From 1989 to 1991 (participant)
- Size fractionated nitrogen uptake and regeneration on the Louisiana continental shelf and in Fourleague Bay. Project R/MPE-50-PD. Louisiana Sea-Grant College Program (USA). From 1990 to 1991 (participant)
- Spanish Oceanographic Time-Series Programme. Instituto Español de Oceanografía, Projects IEO 1010 and IEO-1007. From 1992 to present. (participant)
- Carbon fluxes through a pelagic community in an upwelling area. Project AMB92/0834. Spanish Commission for Science and Technology (CICYT). From 1992 to 1994 (participant)
- Relationships between total, new and export production, and accumulation of biogenic materials in an upwelling area. Project AMB93/0014. CICYT. From 1993 to 1995 (Principal Scientist)
- Carbon fluxes in a high productivity area: western Bransfield Strait and Gerlache Strait (Antarctica). CICYT. From 1994 to 1996 (participant)
- Evaluation of risks of amnesic poisoning caused by marine phytoplankton. Project MAR95-1981-C04. CICYT. From 1996 to 1998 (participant)
- Exchange processes between the shelf and the Rias Bajas of Galicia (Spain): short-term spatial variability. Project MAR95-1901-C03. CICYT. From 1996 to 1998 (participant)
- Trophic organization and matter fluxes in anticyclonic eddies (SWODDIES) in the Bay of Biscay (GIGОВI). Project MAR96-1872-C03. CYTMAR. From 1996 to 1999. (Principal Scientist of IEO)
- Canaries, Azores, Gibraltar Observations (CANIGO). Project MAS3-CT96-0060. EU Framework Programme MAST-III. From 1996 to 1999 (participant)
- Ocean Margin Exchange II (OMEX II - Phase II). Project MAS3-CT97-0076. EU Framework Programme MAST-III. From 1997 to 2000. (Principal Scientist of IEO)
- Carbon and nitrogen circulation in the Central Atlantic (CIRCANA). Project MAR1999-1072-C02. CICYT. From 2000 to 2002 (participant)
- Hydrodynamic control of nutrient exchanges and the composition and production of biological communities in the Ria de Ferrol (Spain). Project 1FD97-0479-C03. CICYT and FEDER Programme of the EU. From 1999 to 2001 (participant)
- Planktonic carbon fluxes in subtropical oligotrophic environments: a lagrangian approach (CARPOS). Project REN2003-9532-C03-02, CICYT. From 2003 to 2006. (participant)
- SARDINE DYNAMICS and stock structure in the North-east Atlantic (SARDYN). EU-Project V Framework Programme. QLRT-2001-00818. From 2002 to 2005. (participant)
- TRYchodesmium spp. and NITrogen fixation in the TROPical Atlantic (TRYNITROP), Project CTM2004-05174-C02-02, Spanish Commission for Science and Technology. From 2004 to 2007. (Principal Scientist of IEO)

Technical studies:

- Study of the oceanographic settings off Cape Peñas (Asturias, Spain) and of the possible effects on the fish production by dumping of thermal power plant ash products. Hidroeléctrica del Cantábrico, S.A. From 1986 to 1988 (participant)

Study of the dispersion and effects of an industrial spill to the sea. ITSEMAP, S.A. 1988 (participant)
Chemical and biological study of the Ria de Avilés (Asturias, Spain). Environmental Resources Limited - España
1990 (participant)
Monitoring of the pollution produced by the accident of the oil tanker “Aegean Sea”. Ministerio de Obras Públicas
y Transportes (Spain). From 1993 to 1994 (participant)
Direct abundance estimation and distribution of pelagic fish species in northeast Atlantic waters. Improving
acoustic and daily egg production methods for sardine and anchovy (PELASSES). Study 99/10. EU Directorate
General XIV. Fisheries. From 2000 to 2001 (participant)

Working stages:

Institut Universitaire de Biologie Marine de Bordeaux. Arcachon, France. July 1982.
Centro de Investigaciones Acuáticas de Asturias (CRINAS). Gijón, Spain. January-December 1985.
Laboratoire de La Tremblade. Institut Français de Recherche pour l'Exploitation de la Mer (IFREMER). La
Tremblade, France. January-February 1986.
Department of Ecology. Universidad de Barcelona, Spain. 1988.
Louisiana Universities Marine Consortium (LUMCON). Chauvin, USA. October 1990-October 1991.
Department of Ecology. Universidad de Oviedo, Spain. November-December 1991.

Contributions to scientific meetings (selection of the most relevant)

Bode A, Casas B, Fernández E, Marañón E, Serret P, Varela M. (1993) Variability of phytoplankton biomass
and primary productivity in the shelf waters of the upwelling area of N-NW Spain. Communication. Theme
Session: Dynamics of upwelling in the ICES area. ICES Statutory Meeting, Dublin (Ireland), 23 September- 3
October 1993. Published in: E Hagen, AJ Da Silva (eds). 1995. Dynamics of upwelling in the ICES area. ICES
Cooperative Research Report, N° 206. pp. 71-72
Bode A. (1994) Regeneración pelágica de nutrientes en el Mar Cantábrico: estimaciones de los flujos de
nitrógeno basados en balances de masa. Conference. IV Coloquio Internacional sobre Oceanografía del
Golfo de Vizcaya, Santander. 12-14 Abril 1994. Published in: O Cendrero, I Olaso (eds). 1995. Actas del IV
Coloquio Internacional sobre Oceanografía del Golfo de Vizcaya, Santander. 12-14 Abril 1994. 205-215.
Bode A, Varela M, Fernández E, Arbones B, González N, Carballo R, Alvarez-Ossorio MT, Anadón R,
Barquero S (1994) Biological characteristics of the plankton associated to a shelf-break front off the Galician
shelf. Communication. 1° Simpósio Internacional sobre a Margem Continental Ibérica Atlântica. Lisboa,
Portugal, 28-30 November 1994. Published in: Gaia 8:9-18
Bode A, Carrera P, Castro B, Iglesias P, Lens S, Lorenzo J (2001) Determinación de la posición de la sardina
(*Sardina pilchardus*) en la red trófica pelágica del N.O. de la Península Ibérica mediante isótopos estables de
carbono y nitrógeno. Communication. I Symposium GLOBEC – España, El Puerto de Santa María, Spain, 28-
30 November 2001.
Bode A, Carrera P, Castro B, Lorenzo J, Valencia J, Varela M, Varela MM (2003) Variations of $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$
in size-fractionated plankton from the northwestern Iberian shelf during spring. Communication. 3rd.
International Zooplankton Production Symposium (GLOBEC – PICES – ICES), Gijón, Spain, 20-23 May
2003.
Bode A (2003) Pelagic food webs in the northwestern Iberian Peninsula: biodiversity and processes.
Conference.
4° Simposio sobre el Margen Continental Ibérico Atlántico, Vigo, Spain, 7-10 July 2003. Published in:
Thalassas 19(2 a): 29 (abstract)
Bode A, Carrera P, Lorenzo J, Porteiro C, Santos MB, Cabanas JM (2004) Natural abundance of stable nitrogen
isotopes reflect changes in pelagic food webs and mobility of size classes of the north Iberian sardine (*Sardina
pilchardus*). Communication. ICES Annual Science Conference, Vigo, Spain, 22-25 September 2004.
Published in: ICES CM 2004/ Q:07
Bode A, Carrera P, Porteiro C (2004) Stable isotopes reveal weak dependence of trophic position of
planktivorous fishes from individual size: a consequence of omnivorism and mobility. Communication.
International Conference on isotopes in environmental studies – Aquatic Forum 2004, Montecarlo (Monaco),
25-29 October 2004. Published in: Book of Abstracts (extended abstract) IAEA-CN-118-137

Supervision of PhD and MSc Thesis:

Casas B (1995) Phytoplankton composition, biomass and production in the coast of A Coruña (Spain): 1989-
1992. Universidad de Santiago de Compostela, Spain. PhD Thesis.

- Barquero S (1999) Control of planktonic primary production by heterotrophs: relative importance of nutrient regeneration and phytoplankton consumption by micro- and mesozooplankton. Universidad de Oviedo, Spain. PhD Thesis.
- Valencia J (2000) Importance of bacterioplankton in the coast of A Coruña (Spain). Universidad de A Coruña, Spain. MsC Thesis.
- Varela MM (2004) Relationship between organic nitrogen production and trophic organization of the pelagic system in the ocean. Universidad de A Coruña, Spain. PhD Thesis.

Scientific Committes:

- ICES Phytoplankton Ecology Working Group. International Council for the Exploration of the Sea (ICES). From 1995 to 1996. Member.
- Spanish Committee of the International Geosphere-Biosphere Program (IGBP). From 1995 to 1997 and from 2001 to present. Member.
- ICES-IOC Steering Group on Global Oceanographic Observation Systems (SGGOOS). International Council for the Exploration of the Sea (ICES) and Intergovernmental Oceanographic Commission (IOC). From 2005. Co-Chair.

Design and Management of Research Programmes and Infrastructures:

- Pannel of experts for the design of a National Plan in Marine Science and Technology. Comisión Interministerial de Ciencia y Tecnología (CICYT) and Instituto Español de Oceanografía (IEO). 1995. Member.
- Marine Science and Technology (MAST III) Committee. Spanish delegation to the EU. From 1995 to 1996. Member.
- Pannel of experts for the design of a new oceanographic research ship. CICYT. 1997. Member.
- Pannel of experts for the design of the Framework Research Programme of the IEO for the period 1998-2001. Instituto Español de Oceanografía (IEO). 1998. Member.
- Working group of the Science and Technology area of Natural Ressources for the design of the Spanish National Research and Technology Plan for 2000-2003. Office for Science and Technology, Spain. 1999. Member.
- Spanish National Programme for Research in Marine Science and Technology. CICYT. 1998-1999. Scientific Officer.
- Spanish National Coordination Group for the V Framework Programme for Research and Development of the EU and member of the. Office for Science and Technology, Spain. 1998-2002. Member and National Contact Point for the Key Action Marine Ecosystems.
- Subprogramme on Marine Ressources of the Spanish National Programme for Research in Natural Ressources 2000-2003. CICYT. Scientific Officer.
- Scientific Assessing Committee of the IEO. 2001-2003. Member.

Referee for research funding agencies:

- Directorate General XII. Commission of the European Communities.
- Spanish National Agency for Evaluation and Prospective Studies (ANEP).
- General Secretary for Research and Development (Secretaría Xeral de I+D. Xunta de Galicia), Galicia, Spain.
- Natural Environmental Research Council (NERC), UK.
- National Oceanic and Atmospheric Administration (NOAA), USA.
- Spanish Ministry of Science and Technology.
- Spanish Ministry of Education and Science.

Referee for scientific journals:

- Marine Ecology Progress Series
- Journal of Plankton Research
- Journal of Experimental Marine Biology and Ecology
- Journal of Marine Systems
- Estuarine Coastal and Shelf Science
- Estuaries
- Hydrobiologia

Scientia Marina
ICES Journal of Marine Science

Chief Scientist of oceanographic cruises:

AMBAR-0594. B/O Cornide de Saavedra. Continental shelf off NW Spain. May 1994.

AMBAR-0994. B/O Cornide de Saavedra. Continental shelf off NW Spain. September 1994.

OMEX-0898 and GIGОВI-0898. R/V Professor Shtokman. Continental shelf off NW Spain and suther Bay of Biscay. August 1998

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