

Biography and Curriculum Vitae

Alice Newton

Biography of Alice Newton



Oceanographer

Professor at University of Algarve (Portugal).

Senior Scientist at Norwegian Institute for Air Research (NILU) in Centre of Ecology and Economics (CEE).

Member of the Institute of Marine Sciences (IMAR, Portugal), and Centre of Marine and Environmental Research, (CIMA, Portugal).

Chairperson of LOICZ: Land –Ocean Interactions in the Coastal Zone, core project of IGBP and IHDP, the International Geosphere-Biosphere Programme and the International Human Dimension Programme for research into global change.

After completing my studies in Oceanography at the School of Ocean Sciences of the University of Bangor, I started to work as a lecturer at the University of Algarve in Portugal, where I am now a tenured professor, carrying out my research at IMAR-the Institute of Marine Research, Centre of Marine and Environmental Research, CIMA.

My research is focused on regions of restricted exchange, such as coastal lagoons, fjords, enclosed bays and seas. These coastal zones are particularly vulnerable to impacts from human activities that may be quite distant from the coastal zone in the case of large watersheds or air sheds. Climate change may have large impacts on the fragile environment and the livelihood of the people depending on them.

Many of the pressures in the coastal zone are driven by activities in the adjacent terrestrial catchments, so naturally I have a keen interest in Land-Ocean interactions. Working with projects and networks such as **IGBP**, **IHDP**, and **LOICZ** should further consolidate the links between policy, research, teaching, training and society. Human activities and their effects, including the socio-economic consequences, must be considered to gain a better understanding on ecosystem function at a global scale.

I serve as a national and EU expert on the Water Framework Directive, the Marine Strategy Directive, Eutrophication and DPSIR. I serve as an evaluator for UK-NERC, the Irish Research Council, Portuguese FCT, EU DG Research and European Science Foundation. I also serve as a member of the Executive Board of the World Maritime University (WMU).

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1. PERSONAL INFORMATION

Name	Alice Newton
Gender	Female
Date and place of birth	15-06-1960, London, United Kingdom
Nationality	British
Marital Status	Married
Home Address	Apartado 21, 8650-999 Vila do Bispo, Portugal
Professional Address	Universidade do Algarve, Faculdade de Ciências e Tecnologia, Departamento de Química e Farmácia 8005-139 Faro, Algarve – Portugal
Telephone	+351 91 911 00 26
e-mail	anewton@ualg.pt

2. ACADEMIC DEGREES

1978-1981	BSc (Honours) Oceanography, Marine Biology University of Wales, Bangor
1986-1988	MSc (by research) Biological Oceanography University of Wales, Bangor Reconhecimento awarded by University of Algarve
1990-1995	PhD Chemical Oceanography University of Wales, Bangor Equivalência in Química do Ambiente awarded by University of Algarve

3. KNOWLEDGE OF LANGUAGES

Mother tongue (bilingual): English and French

Other Languages:

	Understanding				Speaking				Writing	
	Listening		Reading							
French	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
Portuguese	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
Spanish	C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	A2	Basic user

(*) [Common European Framework of Reference \(CEF\) level](#)

4. PRIZES, TITLES AND SCHOLARSHIPS

2007 – *Erasmus Mundus I*, Action 3, Scholarship, Eafit University, Colombia.

2011 – SCOR – Science Council for Ocean Research Scholarship, Mohamed V University, Morocco.

2011 – *Erasmus Mundus II* Scholarship, Action I, Changsha University, China.

2011 – Scholarship from the Institute of Advanced Studies, University of Bologna, Italy.

5. PROFESSIONAL ACTIVITY

University of Algarve

1984-2005	Type of Association: Indeterminate time contract Professional Career: University Professor Professional Category: Lecturer Percentage of time in the Institution: 100%
2004-2006	Head of Department of Chemistry and Biochemistry
2005- Present	Tenured Professor

Norwegian institute of Air Research Department of Ecology and Economics

2009 - Present	Senior Researcher Department of Ecology and Economics
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6. PROFESSIONAL AND RESEARCH MEMBERSHIPS

Professional Societies	EARMA- European Association of Research Managers and Administrators (Member)
	EUCC- The coastal union (Member)
	EUCC- Portugal (Executive Committee)
Science Societies	ASLO- American Society of Limnology and Oceanography (Member)
	CERF- Coastal and Estuarine Research Federation (Member)
Research Centers	IMAR- Institute of Marine Research (Member)
	CIMA- Centre of Marine and Environmental Research (Member)
	CMQA- Centre of Research on Environmental Chemistry (Member until 2005 when the Center closed)
	Fundação Oceanis- Centre of Oceanography, Sagres (Member of Executive Committee)
	BALTDER- Centre of Excellence for Baltic Research (Member of Scientific Steering Committee)
Thematic Networks	ESSENCE- Environmental Education Network (Portuguese Representative)
	ETNET- Water Education Network Research (Portuguese Representative)

7. ACADEMIC ACTIVITIES

The University of Algarve started its first academic year in October 1983 and I was employed in March 1984 in the second semester. It was a new University with no research facilities and new staff that presented me with many interesting challenges and provided me with experiences that staff in an established institution do not have.

Over the time span 1984-2009, my academic activities have evolved and I would identify 4 main time frames with different duties and achievements.

1984-1999 Undergraduate curriculum development and teaching

During this time I was employed as a lecturer but also finishing my higher education (MSc and PhD). Every semester there were new lecture courses and every year new undergraduate courses. Curriculum development was a continual process, not an occasional task. I developed and ran many different undergraduate courses during this period. I also carried out research for my MSc and PhD at the University of Wales. This meant that I had to travel frequently between the two institutions.

1999-2004 Postgraduate curriculum development, teaching and supervision

Once I had the sufficient experience I started developing Master programmes and eventually international Master programmes. During this time I became involved in international education and built up a **European Joint Master programme in Water and Coastal Management** based on a large network of European Universities. The **European University Association** selected the Master in Water and Coastal Management for a study on Joint Master programmes. Postgraduate teaching and supervision gradually replaced undergraduate teaching.

2004-2011 Coordination of International postgraduate programmes

During this period I coordinated the **Erasmus Mundus Master in Water and Coastal Management**, one of the first Erasmus Mundus programmes. I lectured mainly on postgraduate (Master) courses, in international programmes.

2008-20011 Curriculum development of international programmes. Networking of international Universities

During this period my work was dedicated to the development of 3 more *Erasmus Mundus* Master programmes and one *Erasmus Mundus* PhD programme:

***Erasmus Mundus* Master in Quality in Analytical Laboratories;**

***Erasmus Mundus* Master in Marine Biodiversity and Conservation;**

***Erasmus Mundus* Master in Ecohydrology;**

***Erasmus Mundus* PhD in Marine and Coastal Management.**

I also supported the development six ***Erasmus Mundus* External Cooperation Windows** each networking about 20 Universities, 10 European and 10 from third countries.

In 2010, a new **Erasmus Mundus PhD programme in Marine and Coastal Management** (MACOMA – EMJD) was submitted and selected and I'm the coordinator at the University of Algarve.

In 2011, a new **Erasmus Mundus MSc programme in Water and Coastal Management** (WACOMA – EMMC) was submitted and selected and I'm the coordinator at the University of Algarve.

7.1. Teaching at the University of Algarve

Academic Year	Teaching	Course (s)
1983/84	Biology II (T+P)	Hortofruticulture and Marine Biology and Fisheries
1984/85	Microbiology I (T+P)	Marine Biology and Fisheries
1985/86	Microbiology I (T+P) Limnobiology Biological Oceanography Plancton I	Marine Biology and Fisheries
1986/87	Limnobiology Biological Oceanography Plancton I	Marine Biology and Fisheries
1987/88	Microbiology I	Marine Biology and Fisheries
1988/89	Microbiology I Food Microbiology (P) Chemistry II (P)	Marine Biology and Fisheries Food Technology Engineering Hortofruticulture and Marine Biology and Fisheries
1989/90	Chemistry I (P) Chemistry II (P)	Hortofruticulture and Marine Biology and Fisheries
1990/91	Chemistry I (P) Chemistry II (P)	Hortofruticulture and Marine Biology and Fisheries
1991/92	Chemistry I (P)	Hortofruticulture and Marine Biology and Fisheries
1992/93	Inorganic Chemistry (T + P) Chemistry I (P)	Hortofruticulture and Marine Biology and Fisheries
1993/94	Inorganic Chemistry (T + P)	Marine Biology and Fisheries
1994/95	Inorganic Chemistry (T + P) Applied Chemistry (P) General Chemistry II (P)	Marine Biology and Fisheries Agronomical Engineering Physics and Chemistry
1995/96	Inorganic Chemistry (T + P)	Marine Biology and Fisheries
1996/97	Inorganic Chemistry (T + P) Applied Chemistry (TP)	Marine Biology and Fisheries Agronomical Engineering
1997/98	Inorganic Chemistry (T + P) Applied Chemistry (TP) General Chemistry II (P)	Marine Biology and Fisheries Agronomical Engineering Environmental Engineering

Academic Year	Teaching	Course (s)
1998/99	Inorganic Chemistry (T + P)	Marine Biology and Fisheries
	Protection of Environmental Quality (T)	Mathematics Computers Portuguese Studies Languages and Modern Literatures, Portuguese-English Languages and Modern Literatures, Portuguese-French
1999/00	Inorganic Chemistry (T + P)	Marine Biology and Fisheries
	Protection of Environmental Quality (T)	Oceanography Marine Biology and Fisheries Teaching: Mathematics Computers Portuguese Studies Languages and Modern Literatures, Portuguese-English Languages and Modern Literatures, Portuguese-French
2000/01	General Chemistry II (P)	Physics and Chemistry Chemistry
	Protection of Environmental Quality (T)	Mathematics Computers Portuguese Studies Languages and Modern Literatures, Portuguese-English Languages and Modern Literatures, Portuguese-French
2001/02	General Chemistry (T+P) Inorganic Chemistry (T+P)	Environmental Engineering Oceanography
	Protection of Environmental Quality (T)	Computers Mathematics
2002/03	General Chemistry (T + P) Inorganic Chemistry (T + P)	Environmental Engineering Oceanography
	Waters Chemistry and Physics(T)	MSc in Quality in Analytical Laboratories
	Protection of Environmental Quality (T) Protection of Environmental Quality (T)	Computers Mathematics

Academic Year	Teaching	Course (s)
2003/04	General Chemistry (T+P) Inorganic Chemistry (T+P) Waters Chemistry and Physics(T)	Environmental Engineering Oceanography MSc in Quality in Analytical Laboratories
2004/05	General Chemistry (T + P) Inorganic Chemistry (T + P) Water Management I (T) Coastal Management I (T) Environmental Management I (T) Environmental Chemistry (T + TP) Protection of Environmental Quality (T) Water Management II (T) Coastal Management II (T) Environmental Management II (T)	Physics and Chemistry Oceanography MSc Water and Coastal Management MSc Water and Coastal Management MSc Water and Coastal Management Physics and Chemistry Mathematics MSc Water and Coastal Management MSc Water and Coastal Management MSc Water and Coastal Management
2005/06	General Chemistry (T + P) Inorganic Chemistry (T + P) General Chemistry (T + P) Inorganic Chemistry (T + P) Gestão da Água I (T) Gestão da Costa I (T) Gestão do Ambiente I (T)	Environmental Engineering Oceanography Physics and Chemistry Oceanography MSc Water and Coastal Management MSc Water and Coastal Management MSc Water and Coastal Management
2006/07	Chemistry Fundamentals (P)	Environmental Engineering Oceanography Biology Marine Biology Biomedical Sciences
	Protection of Environmental Quality (T)	Mathematics
	Hydrochemical Characterization of water types (T)	MSc in Quality in Analytical Laboratories
2007/08	Applied Chemistry (T + P)	Clinical Analysis and Public Health Dietetics Pharmacy Radiology
	Hydrochemical Characterization of water types (T)	MSc in Quality in Analytical Laboratories

Academic Year	Teaching	Course (s)
2008/09	Applied Chemistry (T + P)	Radiology
	Environmental Management I (T) Water Management I (T) Coastal Management I (T)	Erasmus Mundus MSc Water and Coastal Management
	Environmental Management II (T) Water Management II (T) Coastal Management I II (T)	Erasmus Mundus MSc Water and Coastal Management
2009/10	Water Quality Policies and Regulations (T)	Erasmus Mundus Master in quality in analytical laboratories – EMQAL
	Environmental Management I (T) Water Management I (T) Coastal Management I (T)	Erasmus Mundus MSc Water and Coastal Management
	Eutrophication impacts on Marine Biodiversity	Erasmus Mundus Master in Marine Conservation and Biodiversity
2010/11	Eutrophication and Ecohydrology	Erasmus Mundus Master in Ecohydrology

7.2. Post-Graduate Teaching at Host Universities (Erasmus Programme)

University	Module	Course
University of Wales, Bangor	Coastal Eutrophication (T)	MSc Marine Environmental Protection
University of Portsmouth	Coastal Lagoons (T)	MSc Integrated Coastal Zone Management
University of Portsmouth	Coastal Lagoons (T)	MSc Marine Environmental Studies
University of Gdansk	Coastal Lagoons (T)	MSc Oceanology
University of Szczecin	Eutrophication (T)	MSc Marine Geography
University of Częstochowa	Water Quality Policies and Regulations	MSc and PhD Environmental Engineering

7.3. Post-Graduate Teaching at Host Universities (Erasmus Mundus Programme)

Academic Year	University	Module	Course
2005-06	University of Bergen	Water Management I (T)	MSc Water studies
2006-07 2007-08	University of Plymouth	Coastal Management I (T)	MSc Water and Coastal Management
2006-10	University of Cadiz	Coastal Management II (T) Water Management II (T)	MSc Water and Coastal Management
2007-08	University of Eafit	Coastal Lagoons (T)	MSc Geology
2009-10	Gdansk Technical University	Water Quality Policies (T)	Erasmus Mundus Master in quality in analytical laboratories – EMQAL
2010-11	University of Barcelona	Water Quality Policies and Regulations (T)	Erasmus Mundus Master in quality in analytical laboratories – EMQAL

7.4. Activity of University Management

1992/1993 – Representative of the *Unidade de Ciências Exactas e Humanas* (UCEH) in the *Comissão de Estágios*.

1995/1996 - Representative of the *Sector de Química* in the *Comissão de Horários*.

1995/1998- Member of the *Conselho Científico* of the *Unidade de Ciências Exactas e Humanas* (UCEH).

1996/1998- Representative of the *Sector de Química* in the *Comissão Erasmus*.

1996/2001 – Member of the *Conselho Científico da UCEH* (*Faculdade de Ciências e Tecnologia*).

1997/2001

- Representative of the academic staff *docentes Doutorados da Unidade de Ciências Exactas e Humanas (FCT)* in the Senate of the *Universidade do Algarve*.
- Representative of the academic staff *docentes Doutorados da Unidade de Ciências Exactas e Humanas (FCT)* in the General Assembly of the *Universidade do Algarve*.

1998

- Representative of the *Conselho Directivo da Unidade de Ciências Exactas e Humanas* in the *Comissão de Avaliação de Cursos de UCEH*.
- Member of the academic staff docentes Doutorados in *Conselho Directivo da Unidade de Ciências Exactas e Humanas*.
- Representative of the *Conselho Directivo da Unidade de Ciências Exactas e Humanas* in *Comissão* with the *Serviços de Informação e Documentação*.
- Representative of the *Conselho Directivo da Unidade de Ciências Exactas e Humanas* in development and updating of pages of UCEH
- Representative of *Conselho Directivo da Unidade de Ciências Exactas e Humanas* responsible for announcements and publication of information.

1998/2001

- Member of the academic staff *docentes Doutorados* in *Comissão Científica* of Área Departamental de Química.
- Member of the *Área Departamental de Química* in *Comissão de Segurança*

1999/2006 - Representative of *Unidade de Ciências Exactas e Humanas* for European Programmes, Erasmus, Erasmus Mundus, Leonardo, Tempus and Asia Link.

2000/2006 – Representative of *Unidade de Ciências Exactas e Humanas (FCT)* in *Conselho Geral* for the development of *the Universidade do Algarve*.

2004/2006- Chairperson of the Departamento de Química e Bioquímica.

2004/2011 – Chairperson of the Commission of Coordination of the Water and Coastal Management Master.

2010/2011- Institutional Coordinator of PhD programme in Marine and Coastal Management (MACOMA – EMJD)

7.5. Erasmus Mundus External Cooperation Windows Projects

Erasmus Mundus External Cooperation Windows 2007-2009 projects

http://eacea.ec.europa.eu/extcoop/call/2007/documents/call_eacea_34_2007.pdf

Erasmus Mundus External Cooperation Window

(Partner)

Belorussia, Moldova, Ukraine

Erasmus Mundus External Cooperation Window

(Partner)

Iran, Iraq, Yemen

Erasmus Mundus External Cooperation Window

(Partner)

Kazakhstan

Erasmus Mundus External Cooperation Window

(Partner)

Chile

Erasmus Mundus External Cooperation Window

(Partner)

Africa, Caribbean, Pacific

Erasmus Mundus External Cooperation Window

(Partner)

Russia

7.6. Recent Participation in International Education Projects

PROJECTS

Joint Masters Project

European University Association

<http://www.eua.be/bologna-universities-reform/joint-masters/>
(Coordinator)

Erasmus International Curriculum Development project

MSc in Inland and Freshwater Quality

http://mdh.se/education/programs/2009_2010_en/hst/20092-WATER
(Partner)

TEMPUS-COMET I and II Projects

<http://iczm.rshu.ru/eng/news.asp>
(Partner)

Mecesup Project

Curriculum Development in Marine Sciences in Chile
(Consultant)

UNESCO –UnitWin WICOP project

(Partner)

ASIA-LINK COASTAL PROFS Project

<http://www.coastalprofs.eu/>
(Partner)

Erasmus Mundus Master in Water and Coastal Management (2004-Present)

Action 1 and Action 2 (6 years)

Action 3 (Russia-USA-Latin America) (4 years)

Action 3 for China (4 years)

(Coordinator)

Erasmus Mundus Master in Quality in Analytical Laboratories

<http://cursos.uaig.pt/emqal/>

(External Examiner)

(Lecturer)

Erasmus Mundus Master in Marine Conservation and Biodiversity (2008-Present)

(Lecturer)

Erasmus Mundus PhD MACOMA-Marine and Coastal Management (2011 – Present)

(Lecturer)

Erasmus Mundus MSc in WACOMA-Water and Coastal Management (2011 – Present)

(Institutional coordinator and Lecturer)

Erasmus Mundus Master in Ecohydrology (2011-Present)

(Lecturer)

8. SUPERVISION AND EXAMINER BOARD

8.1. Supervision of Postdoctoral Scientists

- 1 **Gloria Pereira.** *Phytoplankton Pigment in the Ria Formosa Lagoon.* Fundação da Ciência e da Tecnologia, Portugal. Postdoctoral Fellowship. Year: 2000.
- 2 **Rubina Rodrigues.** *Primary Production in the Ria Formosa Lagoon.* Fundação da Ciência e da Tecnologia, Portugal. Postdoctoral Fellowship. Year: 2000.
- 3 **Slava Suslin.** *MERIS Remote Sensing of Ocean Colour.*
Erasmus Mundus External Cooperation Window. Postdoctoral Fellowship. Year: 2008.
- 4 **Tanya Churilova.** *Sea Truthing of Ocean Colour using Phytoplankton Pigments.*
Erasmus Mundus External Cooperation Window. Postdoctoral Fellowship. Year: 2008.
- 5 **Alexey Kontar.** *Groundwater-Seawater Interactions in the Ria Formosa Lagoon.*
Erasmus Mundus External Cooperation Window. Postdoctoral Fellowship. Year: 2009.
- 6 **Miguel Canedo Arguelles.** SPICOSA Project - Science and Policy Integration for Coastal System Assessment. Academic Development. Year: 2010

8.2. Supervision and examination of Doctoral candidates

- 1 **Robert Armic-Sponza.** *Impact of Urban Waste Water Treatment Plant Effluent on the Water Quality of the Ria Formosa.*
ERASMUS PhD Year: 2005.
- 2 **Sofia Loureiro.** *Primary Production in Naturally Eutrophic (upwelling) Coastal Waters and Coastal Lagoon Waters Subject to Anthropogenic Eutrophication.*
ERASMUS PhD Year: 2006.
- 3 **Lea Roseli.** *Spatial and Temporal Variability in Transitional Water Ecosystems. Hydrological Conditions, Nutrient Dynamics and Water Quality of Two Mediterranean Coastal Lagoons (Lesina and Varano, Italy).* ERASMUS PhD Year: 2009.
- 4 **Miguel Canedo Arguelles.** *Ecology of Macroinvertebrate Communities in Transitional Waters.* ERASMUS PhD Year: 2009.
- 5 **Ana Cristina Florindo de Brito.** *The Development of an Assimilative Capacity Model for the Sustainable Management of Nutrients Within the Ria Formosa.*
ERASMUS PhD Year: 2009.
- 6 **Pilar Puyana Sandoval (Y2)** *Water Quality Impacts on Bivalve Aquaculture in Naturally Eutrophic (upwelling) Coastal Waters and Coastal Lagoon Waters Subject to Anthropogenic Eutrophication.* ERASMUS PhD Student.
- 7 **Sónia Cláudia Vitorino Cristina (Y2).** *Optical Properties of the Ocean and Coastal Waters in the Southwest Coast of Portugal Using Satellite Ocean Colour Remote Sensing Data.* ERASMUS PhD Student.
- 8 **Priscila Raquel Fernandes Costa Goela (Y2).** *Spectral Signature of Phytoplankton Communities in Southwest Coast of Portugal: Impact on Remote Sensing Data.*
ERASMUS PhD Student. ERASMUS PhD Student.
- 9 **Anna Gladkikh (Y2).** *Cyanobacteria in Coastal Waters.* ERASMUS PhD Student.
- 10 **Kateryna IvYearva (Y3).** *Meiobenthos Communities in Hypoxic Sediments of Ria Formosa Lagoon.*

8.3. Supervision and Examination of Master Students

- 1 Clarke, S.** (Co-supervisor)
Nutrients in the Ancão Basin and Western Channels of the Ria Formosa, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2001.
- 2 Cullen, L.** (Co-supervisor)
Biochemical Oxygen Demand and Dissolved Oxygen in the Western Area of the Ria Formosa lagoon, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2001.
- 3 Lencart e Silva, J.** (Co-supervisor)
Exchange Processes Between the Atlantic Ocean and the Ria Formosa. MSc Marine Environmental Protection, University of Wales, Bangor. 74 pp. Year: 2001.
- 4 Unsworth, R.** (Co-supervisor)
Sedimentary Lipid and PAH Biomarkers as Temporal Indicators of Change Within the Western Area of the Ria Formosa Lagoon, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. 89 pp. Year: 2001.
- 5 Booth, S.** (Co-supervisor)
Dissolved Oxygen Concentrations and Sediment Quality in Relation to Habitat Mapped Using LANDSAT 7 Images of the Ria Formosa Lagoon, Southern Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2002.
- 6 Duce, C.** (Co-supervisor)
Sources and Transport of Organic Matter in the Ria Formosa Lagoon, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. 92 pp. Year: 2002.
- 7 Fletcher, M.** (Co-supervisor)
Nutrient Flux Dynamics in the Ancao Basin in Relation to Sediment Community Types in the Ria Formosa lagoon, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor 145 pp. Year: 2002.
- 8 Tunstill, L.** (Co-supervisor)
Dissolved Oxygen Concentrations and Biochemical Oxygen Demand in the Ria Formosa Lagoon, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. 145 pp. Year: 2002.

- 9 Elizabeth Hewitt** (Co-supervisor)
Meiofauna and Multidimensional Environmental Gradients in the Ria Formosa Lagoon, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2004.
- 10 Maria Helena P.C. Neves** (Co-supervisor)
Sediment-Water Fluxes of Oxygen in Intertidal Areas of Ria Formosa Coastal Lagoon (South of Portugal). MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2004.
- 11 Ruth Sharratt** (Co-supervisor)
An Analysis of Phytoplankton Communities in the Ria Formosa, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2004.
- 12 Lee Gordon Murray** (Co-supervisor)
The Role of Sediment-Seawater Interaction in the Nutrient Dynamics of the Ancão Basin, Ria Formosa, Portugal. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2005.
- 13 David Megson** (Co-supervisor)
Environmental Forensics of the Esteiro de Maria Rosa. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2006.
- 14 Daniel Wayland** (Co-supervisor)
Environmental Forensics of the Esteiro de Maria Rosa. MSc Marine Environmental Protection, University of Wales, Bangor. Year: 2006.
- 15 Thomas Chevalier** (Supervisor)
Research and Management of European Lagoons. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 16 Subramanian Karupiah** (Co-supervisor)
Requirements for Innovative Curricula Development to the Post-graduate Professional on ICZM in India. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 17 Jian Su** (Co-supervisor)
Biogeochemical Model LOICZ Approach on Ria Formosa Lagoon, Algarve, South Portugal. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 18 Dong Zhang** (Co-supervisor)
The Ecological Model on the Growth of Porphyra Haitanensis. MSc Water and Coastal Management, University of Algarve. Year: 2007.

- 19 **Yongjin Xiao** (Co-supervisor)
Trophic Assessment in Chinese Coastal Systems. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 20 **Yustina Kiwango** (Co-supervisor)
The Role of Papyrus Wetlands and Internal Waves in the Nutrient Mass Balance of Lake Victoria, East Africa. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 21 **Ganapuram Sreedhar** (Co-supervisor)
Typology of coasts of Southern India. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 22 **Benjamin John Tomlinson** (Co-supervisor)
The Cultural and Socio-Economic Impacts of Marine Protected Areas in Catalonia.
MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 23 **Prabath Jayasinghe** (Co-supervisor)
Valuing Water in a Irrigated Agriculture and Reservoir Fisheries in a Reservoir in Sri Lanka. MSc Water and Coastal Management, University of Algarve. Year: 2007.
- 24 **Laishalla Seeram** (Supervisor)
Evaluation of Coastal Lagoon Ecosystems Based on the Level of Human Development. MSc Water and Coastal Management, University of Algarve. Year: 2008.
- 25 **Charu Lata Sing** (Co-supervisor)
Assessment of the Ecological Quality Status of the Rocky Shores in Algarve (application of P-MarMAT) and Implementation of WFD. MSc Water and Coastal Management, University of Algarve. Year: 2008.
- 26 **Elena Plink** (Co-supervisor)
Development of Sustainability of coastal Activities Through ICM Process: The Case of Conil Municipality. MSc Water and Coastal Management, University of Algarve. Year: 2008.
- 27 **Girija Parvatkar** (Co-supervisor)
Macroalgae as a Biological Quality Element for the Assessment of Ecological Status of Coastal Waters. MSc Water and Coastal Management, University of Algarve. Year: 2008.
- 28 **Maria Cortez Ramos Cimas** (Co-supervisor)
Assessment of the Non-Indigenous Species in Ria Formosa. MSc Water and Coastal Management, University of Algarve. Year: 2008.

- 29 Patricia Gracia Marin** (Co-supervisor)
Defining Seagrass Ecological Status in Ria Formosa Under the EU Water Framework Directive. MSc Water and Coastal Management, University of Algarve. Year: 2008.
- 30 Ramilla Furtado**(Co-supervisor)
To Test Several Bio-assessment Methodologies to Assess the Ecological Quality Status (EQS) of Ria Formosa, Using Macrobenthos. MSc Water and Coastal Management, University of Algarve. Year: 2008.
- 31 Astrid Meija** (Supervisor)
Study of Water Consumption by the International Tourism Sector in Southwest Europe. A Case Study in the Algarve, Portugal. MSc Water and Coastal Management, University of Algarve. Year: 2009.
- 32 Yunjun Xu** (Supervisor)
Eutrophication Assessment in China's Coastal Waters. MSc Water and Coastal Management, University of Algarve. Year: 2009.
- 33 Shimeles M. Kebede** (Co-supervisor)
DPSIR Framework Application Supported by Integrated Watershed Modeling for Irrigated Agriculture from Alqueva Dam (Portugal) on Guadiana River Estuary. MSc Water and Coastal Management, University of Algarve. Year: 2009.
- 34 Claudio Silva** (Co-supervisor)
Modelling of Productivity, Water Quality Effects and Profit Optimization of Pacific Oyster (CRASSOSTREA GIGAS) Farms: Application of Farm Model in the Valdivia Estuary of Chile. MSc Water and Coastal Management, University of Algarve. Year: 2009.
- 35 Jeffrey Rempell** (Co-supervisor)
Sustainability in Coastal Tourism Using DPSIR with Community Perception to Manage Complexity in an Adaptive Social-Ecological System. MSc Water and Coastal Management, University of Algarve. Year: 2009.
- 36 Kitima Inthisang** (Supervisor)
Beach Litter Management: Plastic Litter in Mu Ko Chang MNPs, TRAT, Thailand. MSc Water and Coastal Management, University of Algarve. Year: 2009.
- 37 Sirak Robele Gari** (Co-supervisor)
Eutrophication Assessment of Transitional Waters. Mestrado em Gestão da Água e da Costa, Universidade do Algarve. Year: 2010.
- 38 Jing Feng** (Co-supervisor)
Comparison of Methods of Eutrophication Assessment in a Coastal Lagoon. MSc Water and Coastal Management, University of Algarve. Year: 2010.

- 39 Aikayo Ndui** (Co-supervisor)
Assessment of Sea Surface Temperatures (SSTs), Seasonal Upwelling and Rainfall. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 40 Qingchuan Qiu** (Co-supervisor)
Priority Substances in Coastal and Transitional Waters. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 41 Ivan Sekivski** (Co-supervisor)
Vulnerability of Coastal Systems and Hazards to Society. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 42 Jonelle Rene Jones** (Co-supervisor)
Human Influences on the River Basin Coastal Zone Interactions. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 43 Christina Alzira Rumilda de Souza** (Co-supervisor)
Biogeochemical Cycles in Coastal and Shelf. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 44 Clarissa Cavalheiro Skrepnek** (Co-supervisor)
Towards Coastal System Sustainability by Managing Land-Ocean Interaction. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 45 Jeneen Reyes Garcia** (Co-supervisor)
Linking Social and Ecological Systems in the Coastal Zone. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 46 Carlos Francisco Castellanos Perez Bolde** (Co-supervisor)
Linking Governance and Science in Coastal Regions. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 47 Daniel Augusta Zacarias** (Co-supervisor)
Tourism carrying capacity of mass tourism sites as a mean for coastal management: a case study of beaches. MSc Water and Coastal Management, University of Algarve. Year: 2010.
- 48 Vera Semeoshenkova** (Co-supervisor)
Beach Quality Assessment and Management. MSc Water and Coastal Management, University of Algarve. Year: 2010.

8.4. Supervision and examination of First Cycle Research projects

- 1 Alexandra Afonso** (Supervisor)
Produtividade primária no sistema de upwelling na costa Vicentina. Primary productivity in the upwelling system in Vicent Coast.
Degree in Marine Biology and Fisheries, University of Algarve. Year: 1998.
- 2 Craig Watson** (Co-Supervisor)
Impact of eutrophication in the Ria Formosa.
Degree in Biology of Water Resource Management, University of Napier. Year: 2001 .
- 3 Pedro Oliveira** (Supervisor)
Oxigénio dissolvido na Ria Formosa. Dissolved oxygen in Ria Formosa.
Degree in Oceanography, University of Algarve. Year: 2005.
- 4 Priscila Goela Costa** (Supervisor)
Estudo teórico do plano de monitorização da Ria Formosa. Theoretical study of the monitoring plan of the Ria Formosa.
Degree in Chemistry, University of Algarve. Year: 2005.
- 5 João Mimoso** (Supervisor)
Avaliação da Eficiência dos Processos Unitários Envolvidos no Tratamento de Água na ETA do ROXO. Evaluation of efficiency of the involved unit processes in water treatment of ROXO.
Degree in Physics and Chemistry, University of Algarve. Year: 2006.
- 6 Javier Simancas de Lemus** (Supervisor)
Elección de Estaciones de Recogida de Agua Para la Directiva Marco del Agua Mediante Métodos Estadísticos.
Degree in Chemistry, University of Algarve. Year: 2009.
- 7 Carla Mestre** (Supervisor)
Efeito da ressuspensão de sedimento na concentração do Oxigenio dissolvido na Ria Formosa. Effect of sediment resuspension in the concentration of dissolved oxygen in the Ria Formosa.
Degree in Physics and Chemistry, University of Algarve. Year: 2010.

8.5. Participation in Other Academic Examiners Boards

- 1 Alexandra Cravo.** PhD in Oceanography. University of Algarve. Year: 1996.
- 2 Dalila Serpa.** MSc in Ecology, Management and Modeling of Marine Resources. Universidade of Coimbra. Year: 2006.
- 3 Serah Munguti.** MSc in Water and Coastal Management. University of Cadiz. Year: 2006.
- 4 Fraddry D'Souza.** MSc in Water and Coastal Management. University of Cadiz. Year: 2006.
- 5 Rodrigo Choueri.** MSc in Water and Coastal Management. University of Cadiz. Year: 2006.
- 6 Venkata Ravi.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 7 Min Jet.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 8 Sarah Wibrow.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 9 Valentina Villoria.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 10 Rommel Maneja.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 11 Ahmad Haminov.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 12 Faye Brinkman.** MSc in Water and Coastal Management. University of Cadiz. Year: 2007.
- 13 Suruj Rakesh Babwah.** MSc in Water and Coastal Management. University of Algarve. Year: 2011.

9. CAPACITY BUILDING IN HIGHER EDUCATION

- 1 Universidad Catolica de la Santissima Concepcion**
9-12th de May 2005, Concepcion, Chile
4 day Capacity Building course for teaching academic staff in higher education
Networking Universities
Development of Joint Curricula
Ministry of Science and Education, Spain
- 2 Universidad de Cadiz**
26-30th June 2006, Cadiz, Spain
5 day Capacity Building Course for teaching academic staff in Higher Education
International courses development and teaching
Ministry of Science and Education, Spain
- 3 Universidad de Cordoba**
February 2009, Cordoba, Spain
3-day Capacity Building Course for teaching academic staff in Higher Education
International courses development and teaching
Ministry of Science and Education, Spain
- 4 Pontificia Universidad Javeriana, Bogota**
29-30th November 2010, Bogotá, Colombia
2 day Capacity Building Course for teaching academic staff in Higher Education
Framework Programme FP7Thematic Workshop: Environment (including Climate Change)
Ministry of Science and Education, Spain
- 5 Universidade of Czestochowa, Poland**
12-13th May 2011
2 day Capacity Building Course for teaching academic staff in Higher Education
Water Framework Directive
Ministry of Science and Education, Poland

10. QUALITY ASSURANCE IN HIGHER EDUCATION

DATE	DESIGNATION
09/2007	<i>ERASMUS MUNDUS</i> Master in Water and Coastal Management, Algarve, Portugal First international Quality Assurance exercise Coordinator
10/2008	PROJECT EMIS - <i>ERASMUS MUNDUS</i> ACTION 4, Brussels EMIS PROJECT – European universities international services in the Erasmus Mundus framework Evaluator
07/2009	Quality Assurance Meeting in Erasmus Mundus Master Programme on Quality in Analytical Laboratories. University of Gdansk, Poland External Examiner for Quality Assurance
05/2010	Quality Assurance Meeting in Erasmus Mundus Master Programme on Quality in Analytical Laboratories. University of Barcelona, Spain External Examiner for Quality Assurance
07/2011	Quality Assurance Meeting in Erasmus Mundus Master Programme on Quality in Analytical Laboratories. University of Algarve, Portugal External Examiner for Quality Assurance

11. RESEARCH ACTIVITIES

The University of Algarve started its first academic year in October 1983 and I was employed in March 1984 in the second semester. It was a new University with no research facilities and no laboratories.

Over the time span 1984-2009, my research activities have evolved and I would identify 4 main time frames with achievements. The projects are mentioned here only as acronyms and more information is given in the following section.

1984-1999 Research on Water Quality

I finished my higher education (MSc and PhD) at the University of Wales. My original research interest focused on water quality.

1999-2004 Research on Eutrophication, Science-Policy interface

By 1999, we had basic equipment at the University of Algarve so we were able to start applying for National projects and then international projects in the EU 5th and 6th Framework programmes, (OAERRE, ECASA, ENCORA projects). The projects are mentioned here only as acronyms and more information is given in the following section. My research interest focused on eutrophication then catchment to coast processes. I became a national expert for Portugal on the Water Framework Directive implementation and interested in the Science-Policy interface, (MONAE, RECITAL, RECONNECT, EEMA projects).

2004-2011 Research on catchment-coast, global change and the coastal zone

During this period, I became increasingly involved in International and Global projects such as LOICZ – Land Ocean Interactions in the Coastal Zone and my research interest now focuses on global change complex social-ecological- economic processes in the coastal zone, (LOICZ, SPICOSA, KNOWSEAS projects).

11.1. Evaluation of Research Projects

RESEARCH PROJECTS

- 1 **6th Framework programme**
Evaluator of research proposals (Environment)
- 2 **7th Framework programme**
Evaluator of research proposals (Environment)
- 3 **Marie-Curie programme**
Evaluator of research training network proposals
- 4 **Marie-Curie programme**
Evaluator of research fellowship proposals
- 5 **National Research Council UK**
Evaluator of research proposals
- 6 **European Science Foundation**
Evaluator of research proposals
- 7 **Fundação da Ciência e da Tecnologia Portugal**
Evaluator of research proposals
- 8 **Irish Research Council**
Evaluator of research proposals
- 9 **Asia-Pacific Network**
Evaluator of research proposals
- 10 **IPPC-Intergovernmental Panel on Climate Change**
Text review
- 11 **GEO-Global Environmental Outlook UNEP United Nations Environment**
Text review

11.2. Participation in Research Projects

PARTICIPATION IN NATIONAL SCIENTIFIC RESEARCH PROJECTS

- 1** **1999-2002:** *Upwelling and Productivity of the Cape St Vincent Coast.*
FCT - Fundação da Ciência e da Tecnologia
(Partner in coordinating institution)
- 2** **2004-2005:** *Monitoring of Portuguese Transition and Coastal Waters (MONAE):*
INAG – Water Institute
(Partner in coordinating institution)
- 3** **2005-2007:** *Reference Conditions and Intercalibration of Portuguese Transitional and Coastal Waters (RECITAL):*
INAG- Water Institute
(Coordinator)
- 4** **2008- Ongoing:** RECONNECT- *Reference conditions for Portuguese Transitional Waters*
FCT - Fundação Ciência e Tecnologia
(Partner in coordinating institution)
- 5** **2008- Ongoing:** EMAA- *European Management and Aquatic Assessment*
INAG – Water Institute
(Partner in the project)
- 6** **2009- Ongoing:** Marine Strategy Framework Directive harmonization for the North Sea
KLIF, Climate change and Pollution Directorate, Norway
(Partner of the expert group)
- 7** **2011- Ongoing:** Sedimentological and morphological response of coastal lagoons to a changing sea-level – A global approach
Danish Science Foundation
(Partner)
- 8** **2011-Ongoing:** Application of Rocktrom’s rosette to Arctic coasts
FRAM-High North Research Centre for Climate and the Environment
(Partner)

PARTICIPATION IN INTERNATIONAL SCIENTIFIC RESEARCH PROJECTS

- 1 **2000-2003:** *Oceanographic applications to eutrophication in regions of restricted exchange* (OAERRE) <http://www.lifesciences.napier.ac.uk/OAERRE/index.htm>
EU contract number (EVK3-CT-1999-00002)
(Partner in the project)
- 2 **2004-** Member of IAPSO-IAHS* *Joint Commission on Groundwater-Seawater Interactions* http://iapso.sweweb.net/grdwater_seawater02.html
*International Association for the Physical Sciences of the Oceans
*International Association of Hydrological Sciences
- 3 **2000-2003:** *Oceanographic applications to eutrophication in regions of restricted exchange* (OAERRE) <http://www.lifesciences.napier.ac.uk/OAERRE/index.htm>
EU contract number (EVK3-CT-1999-00002)
(Partner in the project)
- 4 **2004-** Member of *Land Ocean Interactions with the Coastal Zone* (LOICZ)
Science Steering Committee: <http://www.loicz.org/>
LOICZ is a core project of the IGBP-IHDP Programmes of the International Council for Science (ICSU): <http://www.icsu.org/index.php>

2005- Member of the LOICZ Science Executive Committee
2009-2011 – Chairperson of LOICZ
- 5 **2009- 2011** Member of *International Geosphere-Biosphere Programme* (IGBP) <http://www.igbp.net/>
Science Steering Committee as core project Chairperson
- 6 **2009-2011** Member of *International Human Dimensions Programme on Global Environmental Change* (IHDP) <http://www.ihdp.unu.edu/>
Science Steering Committee as core project Chairperson
- 7 **2004-2007:** 6th Framework Programme European Coordinating Action Project ENCORA Developed the Coastal Wiki <http://www.coastalwiki.org/>
Member of the Capacity Building project: Education & Training in ICZM
- 8 **2004-2007:** 6th Framework Programme STREP Project - *Ecosystem Approach to Sustainable Aquaculture* (ECASA) <http://www.ecasa.org.uk/>
(Partner in the project)
- 9 **2006-2011:** 6th Framework Programme Project - *Science and Policy Integration for Coastal System Assessment* (SPICOSA). <http://www.spicosa.eu/>
EU contract number (F6-2005-GLOBAL-0369922)
(Partner in the project)

PARTICIPATION IN INTERNATIONAL SCIENTIFIC RESEARCH PROJECTS

- 10 2008-Present:** *Seatruthing and calibration of Chlorophyll for MERIS (Medium Resolution Imaging Spectrometer) remote-sensed images (ESAGRES).*
ESA -European Space Agency
(Partner in the project)
- 11 2008- Present:** 7th Framework Programme Project - *Water bodies in Europe: Integrative Systems to assess Ecological status and Recovery (WISER).*
<http://www.wiser.eu/>
(Partner in the project)
- 12 2009-Present:** 7th Framework Programme Project - *Knowledge-based Sustainable Management for Europe's Seas Project.(KnowSeas)*
Development of advanced ecosystem models and methodologies for the management and the sustainable use of marine resources.
<http://www.knowseas.com/>
(Partner in the project)
- 13 2010 – Present:** OSPAR-CAMP. Comprehensive Atmospheric Monitoring Programme
(Coordinator)
- 14 2011 – Present:** 7th Framework Programme Project – *Community Based Management of Environmental Challenges in Latin America (COMET–LA)*
(Partner in the project)
- 15 2011 – Present:** Sensitivity of Coastal Lagoon Ecosystems to Climate and Related Global Changes: Developing a North African Lagoons Network.
Funded by Grants for Global Environmental Change Research in Africa START-global change System for Analysis, Research and Training
(Partner in the project)

12. SCIENTIFIC PRODUCTION

12.1. Published Books

J. G. Ferreira, et al including **Newton, A.**; *Monitoring plan for water quality and ecology of Portuguese transitional and coastal waters*. Development of Guidelines for the Application of the European Union Water Framework Directive.1.ed. Portugal: INAG – Water Institute, IMAR – Institute of Marine Research. 2006.

12.2. Published Books Chapters

Wolanski E.; **Newton, A.**; Rabalais, N; Legrand, C. Coastal Zone Management. Encyclopedia of Ecology. Ed. Oxford: Elsevier, 2008, p. 630-637.

12.3. Published Articles

- 1 **Newton, A.**; Mudge, S.M.; *Temperature and salinity regimes in a shallow, mesotidal lagoon, the Ria Formosa, Portugal*. Estuarine, Coastal and Shelf Science, v.57, n. 1-2, p. 73-85, 2003. With referee: yes.
- 2 **Newton, A.**; Icely, J.D.; Falcão, M.; Nobre, A.; Nunes, J.P.; Ferreira, J.G.; Vale, C.; *Evaluation of Eutrophication in the Ria Formosa coastal lagoon, Portugal*. Continental Shelf Research, v. 23, n. 17-19, p. 1945-1961, 2003. With referee: yes.
- 3 Tett, P.; Gilpin, L.; Svendsen, H.; Erlandsson, C.; Larsson, U.; Kratzer, S.; Fouilland, E.; Janzen, C.; Jae-Young Lee; Grenz, C.; **Newton, A.**; Ferreira, J.G.; Fernandes, T.; Scory, S. *Eutrophication and some European waters of restricted exchange*. Continental Shelf Research, v. 23, n. 17-19, p. 1635-1671, 2003. With referee: yes.
- 4 **Newton, A.**; Mudge, S.M.; *Lagoon-sea exchanges, nutrient dynamics and water quality management of the Ria Formosa (Portugal)*. Estuarine, Coastal and Shelf Science, v. 62, n. 3, p. 405-414, 2005. With referee: yes.
- 5 Edwards, V.; Icely, J.; **Newton, A.**; Webster, R. The yield of chlorophyll from nitrogen: a comparison between the shallow Ria Formosa lagoon and the deep oceanic conditions at Sagres along southern coast of Portugal. Estuarine, Coastal and Shelf Science, v. 62, n. 3, p. 391-403, 2005. With referee: yes.
- 6 Nobre, A. M.; Ferreira, J.G.; **Newton, A.**; Simas, T.; Icely, J.D.; Neves, R. *Management of coastal eutrophication: Integration of field data, ecosystem-scale simulations and screening models*. Journal of Marine Systems, v. 56, n. 3, p. 375-390, 2005. With referee: yes.

- 7 Loureiro, S.; **Newton, A.**; Icely, J.D. Microplankton composition, production and upwelling dynamics in Sagres (SW Portugal) during summer 2001. *Scientia Marina*, v. 69, n. 3, p. 323-341, 2005. With referee: yes.
- 8 Loureiro, S.; **Newton, A.**; Icely, J.D. *Effects of nutrients enrichments on primary production in the Ria Formosa Coastal Lagoon (Southern Portugal)*. *Hydrobiologia*, v. 550, n. 1, p. 29-45, 2005. With referee: yes.
- 9 Loureiro, S.; **Newton, A.**; Icely, J.D. *Boundary conditions for the European Water Framework Directive in the Ria Formosa lagoon, Portugal (physico-chemical and phytoplankton quality elements)*. *Estuarine, Coastal and Shelf Science*, v. 67, n. 3, p. 382-398, 2006. With referee: yes.
- 10 Murray, L.; Mudge, S.M.; **Newton, A.**; Icely, J.D. *The effect of benthic sediments on the dissolved nutrient concentrations and fluxes Sediment-seawater nutrient exchange in the Ancão basin, Ria Formosa, Portugal*. *Biogeochemistry*, v. 81, n. 2, p. 159-178, 2006. With referee: yes.
- 11 **Newton, A.**; Icely, J.D. *Oceanographic applications to eutrophication in tidal, coastal lagoons: the Ria Formosa, Portugal*. *Journal of Coastal Research*, n. 39, p. 1346-1350, 2006. With referee: yes.
- 12 Ferreira, J.G.; Nobre, A. M.; Simas, T. C.; Silva, M. C.; **Newton, A.**; Bricker, S. B.; Wolff, W. J.; Stacey, P. E.; Sequeira, A. *A methodology for defining homogeneous water bodies in Estuaries- application to the transitional systems of the EU Water Framework Directive*. *Estuarine, Coastal and Shelf Science*, v. 66, n. 3-4, p. 468-482, 2006. With referee: yes.
- 13 Waara K.O.; Petersen, A.; Lanaras, T.; Paulauskas, V.; Kleiven, S.; Crosa, G.; **Newton, A.**; Balode, M.; Hindak, F.; Marsalek, B. *Inland Water Quality Assessment - A Joint European Masters Programme*. *Journal of Science Education and Technology*, v. 15, n. 5-6, p. 409-415, 2006. With referee: yes.
- 14 Pereira, M. G.; Icely, J.D.; Mudge, S.M.; **Newton, A.**; Rodrigues, R. *Temporal and spatial variation of phytopigments in the Western part of the Ria Formosa lagoon, Southern Portugal*. *Environmental Forensics Journal*, v. 8, n. 3, p. 205-220, 2007. With referee: yes.
- 15 Mudge, S.M.; Icely, J.D.; **Newton, A.** *Oxygen depletion in relation to water residence times*. *Journal of Environmental Monitoring*, v. 9, n. 11, p. 1194-1198, 2007. With referee: yes.
- 16 **Newton, A.**; Icely, J.D. *Land Ocean Interactions in the Coastal Zone, LOICZ: Lessons from Banda Aceh, Atlantis, and Canute*. *Estuarine, Coastal and Shelf Science*, v. 77, n. 2, p. 181-184, 2008. With referee: yes.

- 17 Mudge, S.M.; Icely, J.D.; **Newton, A.** *Residence times in a hypersaline lagoon: using salinity as a tracer.* Estuarine, Coastal and Shelf Science, v. 77, n. 2, p. 278-284, 2008. With referee: yes.
- 18 Wayland, D.; Megson, D. P.; Mudge, S.M.; Icely, J.D.; **Newton, A.** *Identifying the source of nutrient contamination in a lagoon system.* Environmental Forensics, v. 9, n. 2-3, p. 231-239, 2008. With referee: yes.
- 19 Loureiro, S.; Icely, J.D.; **Newton, A.** *Enrichment experiments and primary production at Sagres (S.W. Portugal).* Journal of Experimental Marine Biology and Ecology, v. 359, n. 2, p. 118-125, 2008. With referee: yes.
- 20 Zaldívar, J; Cardoso, A.; Viaroli, P.; **Newton, A.**; Wit, R.; Ibañez, C.; Reizopoulou, S.; Somma, F.; Razinkovas, A.; Basset, A.; Holmer, M.; Murray, M. *Eutrophication in transitional waters: an overview (JRC-EU).* Transitional Waters Monographs, n. 1, p. 1-78, 2008. With referee: yes.
- 21 Brito, A.; **Newton, A.**; Tett, P.; Fernandes, T. *Development of an optimal methodology for the extraction of microphytobenthic chlorophyll.* Journal of International Environmental Application and Science, v. 4, n. 1, pp 42-54, 2009. With referee: yes.
- 22 Brito, A.; **Newton, A.**; Tett, P.; Fernandes, T. *Understanding the Importance of Sediments to Water Quality in Coastal Shallow Lagoons.* Journal of Coastal Research, n. 56, p. 381-384, 2009. With referee: yes.
- 23 Brito, A.; **Newton, A.**; Tett, P.; Fernandes, T. *Temporal and spatial variability of microphytobenthos in a shallow lagoon: Ria Formosa (Portugal).* Estuarine, Coastal and Shelf Science, v. 83, n. 1, p. 67-76, 2009. With referee: yes.
- 24 Goela, P.; **Newton, A.**; Cristina, S.; Fragoso, B. *Water Framework Directive implementation: Intercalibration Exercise for Biological Quality Elements – a case study for the south coast of Portugal.* Journal of Coastal Research, n. 56, p. 1214-1218, 2009. With referee: yes.
- 25 Cristina, S.; **Newton, A.**; Icely, J.D.; Goela, P. *Assessment of the water-leaving reflectances of the oceanic and coastal waters using MERIS satellite products in Sagres off the southwest coast of Portugal.* Journal of Coastal Research, n. 56, p. 1479-1483, 2009. With referee: yes.
- 26 Ferreira, J.G.; Sequeira, A.; Hawkins, A.; **Newton, A.**; Nickell, T.; Pastres, R.; Forte, J.; Bodoy, J.; Bricker, S. *Analysis of coastal and offshore aquaculture: application of the FARM model to multiple systems and shellfish species.* Aquaculture, v. 289, n.1-2, p. 32-41, 2009. With referee: yes.

- 27 Brito, A.; **Newton, A.**; Tett, P.; Fernandes, T. *Sediment and water nutrients and microalgae in a coastal shallow lagoon, Ria Formosa (Portugal): Implications for the Water Framework Directive*. Journal of Environmental Monitoring, v. 12, n. 1, p. 318-328, 2010. With referee: yes.
- 28 Brito, A.; **Newton, A.**; Teet P.; Icely, J.; Fernandes, T. *The yield of microphytobenthic chlorophyll from nutrients: enriched experiments in microcosms*. Journal of Experimental Marine Biology and Ecology, v. 384, n.1-2, p.30-43, 2010. With referee: yes.
- 29 **Newton, A.**; Oliveira, P.; Icely, J.; *Monitoring of oxygen condition in the Ria Formosa coastal lagoon, Portugal*. Journal of Environmental Monitoring, v. 12, n. 1, pp.355-360, 2010. With referee: yes.
- 30 Goela, P.; Icely, J; Cristina, S; **Newton, A.** *Absorption coefficient of particulate matter on the south-west coast of Europe: A contribution to the validation of the MERIS - Medium Resolution Imaging Spectrometer sensor*. Ed. H. Lacoste-Francis Proceedings of ESA Living Planet Symposium, SP- 686, n.144, pp. 1-5, 2010.
- 31 Cristina, S.; Icely, J.; Goela, P.; **Newton, A.**; *Validation of the MERIS- Medium Resolution Imaging Spectrometer satellite products in oceanic waters off Cape Sagres on the south-west coast of Portugal*. Ed. H. Lacoste-Francis Proceedings of ESA Living Planet Symposium, SP-686, n. 107, pp 1-5, 2010.
- 32 Zacarias, D. A.; Williams, A. T.; **Newton, A.** *Recreation carrying capacity estimations to support beach management at Praia de Faro, Portugal*. Applied Geography, v. 31, n. 3, pp.1075-1081, 2011. With referee: yes.
- 33 Weissbach, A.; Rudström, M.; Olofsson, M.; Béchemin, C.; Icely, J.; **Newton, A.**, Tillmann, U.; Legrand, C. *Phytoplankton allelochemical interactions change microbial food web dynamics*. Limnol. Oceanogr.,v. 56, n. 3, pp 899-909, 2011. doi:10.4319/lo.2011.56.3.0899. With referee: yes.
- 34 Brito, A.C.; **Newton, A.**; Fernandes, T.F., Tett, P.; *The role of microphytobenthos on shallow coastal lagoons: A modeling approach*. Biogeochemistry. DOI information: 10.1007/s10533-010-9539-x, (Accepted, In press)
- 35 **Newton, A.**; Carruthers, T.; Icely J.D. *The coastal syndrome and hotspots in the coastal zone*; Estuarine and Coastal Shelf Science -LOICZ-IHDP Special issue. DOI information: 10.1016/j.ecss.2011.07.012 (Accepted, In press)
- 36 Cañedo-Argüelles, M.; Farres, R.; Rieradevall, M.; **Newton, A.** *Characterization Of Four Mediterranean Coastal Lagoons Subjected To Intense Human Activity*. Estuarine, Coastal and Shelf Science. (Accepted, In press)

- 37 Sekovski, I.; **Newton, A.**; Dennison, C. W. *Megacities in the coastal zone: Using a driver-pressure-state-impact-response framework to address complex environmental problems*. Estuarine, Coastal and Shelf Science. 2011 (Accepted, In press)

12.4. Articles under, in Preparation or in Submission

- 1 **Newton, A.**, et al; *A review of European coastal lagoons*. Estuarine and Coastal Shelf Science -LOICZ-IHDP Special issue, 2010.
Under review ECSS.
- 2 **Newton, A.** and Yamamuro, M. *Fractal coastal futures: Lessons from Lisbon, Aceh, Hilo and Tohoku*, in preparation.
- 3 **Newton, A.**; Pacyna, J.; McManus L.; *Fractal coastal futures*. Estuarine and Coastal Shelf Science LOICZ-IHDP Special issue, 2010.
Accepted, in preparation.
- 4 Goela, P.C.; Icely, J., Cristina, S., **Newton, A.** *Specific absorption coefficient of phytoplankton off the Southwest coast of the Iberian Peninsula: A contribution to algorithm development for ocean colour remote sensing*. Continental Shelf Research, 2011.
Under review.
- 5 Cristina, S., Moore, G., Goela, P. C., Icely, J., & **Newton, A.** *In situ validation of MERIS and MODIS reflectance using a coastal transect off the SW Iberian Peninsula, with corrections for the near land adjacency effects*. Remote Sensing of Environment, 2011.
Under review.

12.5. Scientific Reports

REPORTS

- 1** **A. Newton**, S. Cristina, J.Guiomar, P. C. Goela, B. Fragoso, J.C. Marques, J. Neto, H.Teixeira, J. Patrício A. Baeta, R. Pinto, H. Veríssimo, F. Rocha, R. Cunha, C. Vale (2007)
Intercalibration exercise of guidelines for the applications of the European Union Water Framework Directive Reference Conditions and Intercalibration of Portuguese Coastal Waters
Editors: IMAR – Institute of Marine Research, INAG – Water Institute
- 2** Davis I. et al including **Newton, A.** (2008) *Nutrient Criteria Development: International Approaches & Perspectives.*
Editors: U.S. Environmental Protection Agency, Office of Science and Technology, Health and Ecological Criteria Division. Washington D.C., USA
- 3** J. Zaldívar Comenges, A.C. Cardoso, A.Basset, R. de Wit, M. Holmer, C.Ibañez, **Newton, A.** Razinkovas, S. Reizopoulou, F. Somma, P. Viaroli (2008) *Eutrophication in Transitional Waters*
Editors: JRC - European Commission, Joint Research Centre, Ispra, Italy
- 4** **Newton A.** and Hsu A. (2009)
EU collaboration with China in environmental capacity building
Chapter 3 in Xuhui Lee, Ed. *Lectures on China's Environment*
Editors: Yale University School of Forestry and Environment.
- 5** Scientific Reports to the European Space Agency (ESA) for Contract N° 21464/08/I-OL
“Technical Assistance for the Validation of MERIS – Medium Resolution Imaging Spectrometer Marine Products at Portuguese Oceanic and Coastal Sites”
Icely, J.; Cristina, S., Goela, P., **Newton, A.** (September 2008) Report 1 to ESA
Icely, J.; Cristina, S., Goela, P., **Newton, A.** (December 2008) Report 2 to ESA
Icely, J.; Cristina, S., Goela, P., **Newton, A.** (April 2009) Report 3 to ESA
Icely, J.;Cristina, S., Goela, P., **Newton, A.** (January 2010) Report 4 to ESA
Icely, J.; Cristina, S., Goela, P., **Newton, A.** (August 2010) Report 5: Section I Final to ESA
- 6** **Newton, A.** (2011). *In press*
CAMP – The comprehensive atmospheric monitoring programme in 2009. Publicado pela OSPAR Comission. Report number 5xx

12.6. Academic Publications in Journals

K.-O. Waara, A. Petersen, T. Lanaras, V. Paulauskas, S. Kleiven, G. Crosa, **A.Newton**, M. Balode, F. Hindak, and B. Marsalek 2006 ; *“Inland Water Quality Assessment - A Joint European Masters Programme”* ;Journal of Science Education and Technology
DOI: 10.1007/s10956-006-9032-4.

12.7. Newsletters

Frequent contributions to Newsletters of:

LOICZ Inprint: <http://www.loicz.org/products/publication/newsletter/index.html.en>

IGBP <http://www.igbp.kva.se/page.php?pid=231>

EUCC <http://www.eucc.nl/en/news/>

13. EVENT PARTICIPATION

13.1. Oral Presentations as Invited or Keynote Speaker on Academic Topics

ORAL PRESENTATIONS

- 1 Conference: European University Association “Joint Master Project”.**
Brussels, 20 de September 2002. (Invited Speaker)
Presentation: Newton, A. 2002. *“European Joint Master in Water and Coastal Management.”*
- 2 Conference: Scientific and policy challenges towards an effective management of the marine environment Conference.**
CESUM-BS Centre of Excellence for Sustainable Development and Management of the Baltic Sea Region Albena.
Bulgaria, 12-18th October 2003. (Invited Speaker)
Presentation: Newton, A. 2003. *“A European Joint Master of Science in Water and Coastal Management.”*
- 3 Conference: European Coastal Zone Research Conference “An ELOISE Approach”.**
Portoroz (Slovenia), 14-18th November 2004. (Keynote Speaker)
Presentation: Newton, A, 2004. *“The use of Eloise Research in Education.”*
- 4 Conference: UNESCO-UNITWIN/WICOP-Europe Network Wise Coastal Practices for Sustainable Human Development workshop**
University of Cadiz, 26-27th November 2004.
Presentation: Newton, A, 2004. *“The ERASMUS MUNDUS Master in Water and Coastal Management: Link with Wicop”.*
- 5 Lecture Tour:**
13-18th December 2004. (Invited Speaker)
Presentations:
Newton, A. 2004. *“Environmental education for urban water management”*
University of Science and Engineering, Qindao, China
Newton, A. 2004. *“Erasmus Mundus Collaboration with China”*
Ningbo University, Ningbo, China
Sponsored by First Institute of Oceanography State Oceanic Administration, Qindao, China.
- 6 Conference: EU China Higher Education Policy Forum**
Beijing, 28-29th de November 2005. (Invited Speaker)
Presentation: Newton, A. 2005. *“The Changing role of Universities in Society”*

ORAL PRESENTATIONS

- 7 Conference: Erasmus Mundus Master course seminar**
Brussels, 5-6th December 2005. (Invited Speaker)
Presentation: Newton, A. 2005 *"Joint Degrees in international higher education"*
Conference: Erasmus Mundus Lecture Tour in China
August 2006. (Invited Speaker)
Ocean University of China, Nanjing University and University of Ningbo
Presentation: Newton, A. 2005. *"The Erasmus Mundus programme"*
- 8 Conference: European Association for International Education (EAIE)**
University of Trondheim, Norway, 12-15th September 2007. (Invited Speaker)
Presentation: Newton, A., 2007. *"Erasmus Mundus: brain drain or brain gain?"*
- 9 Workshop: Erasmus Mundus workshop**
Brussels, 15 March 2008. (Invited Speaker)
Presentation: Newton, A., 2008 *"EU-China cooperation in Higher Education."*
- 10 Conference: Lecture Series on China's Environment Sponsored by the Rice Family Foundation, Yale University, 13 October 2008, (Invited Speaker)**
Presentation: Newton, A., 2008. *"EU Collaboration with China in Environmental Capacity Building"*.

13.2 Other Oral Presentations on Academic Topics

ORAL PRESENTATIONS

- Workshop: Coastal Profs workshop**
Can Tho, Vietnam, 8-12th May 2006.
Presentations:
- 1 Newton A.** and Boski, T.2006. *"Site selection for Coastal Prof field work"*
 - 2 Newton A.** and Boski, T.2006. *"University of Algarve and Master Curricula"*
- Workshop: Coastal Profs workshop**
Faro, 11-15th June 2007.
- 3 Presentation: Newton A.** 2007. *"Implementation of Coastal Prof modules in international Master programmes"*
- Workshop: SPICOSA project System Approach Framework Workshop**
Rome, Italy, 8-12th June 2009.
- 4 Presentation: Newton, A;** Icely, J., 2009. *"Academic curricula and training, technical progress and priorities"*.
- Conference: APN-Asia Pacific Network Conference**
Phillipines, 23-27th November 2009.
- 5 Presentation: Newton, A.** Weichselgartner, J. *"LOICZ capacity building"*

13.3. Oral Presentation in Television Programme on Academic Topics

Interview in Euronews Channel. Title: *Erasmus Mundus Programme in Water and Coastal Management*. Year: 2005.

13.4. Oral Presentations on Research Topics, Invited Speaker

ORAL PRESENTATIONS

- 1 Conference: Estuarine Research Federation Conference “Estuaries on the Edge”**
Seattle, USA, 14-18th September 2003. (Keynote Speaker)
Presentation: Newton, A. 2003. *“Coastal lagoons, a 21st C. perspective.”*
- 2 Conference: Royal Society of Chemistry**
University of Glamorgan, 4 February 2004. (Invited Speaker)
Presentation: Newton, A. 2004. *“Eutrophication, a problem of Environmental Chemistry.”*
- 3 Lecture Tour:**
Ocean University, Qindao, China, 13-18th December 2004. (Invited Speaker)
Presentation: Newton, A. 2004. *“Eutrophication: a global perspective”.*
- 4 Conference: European Joint Research Centre expert meeting**
Joint Research Centre, Ispra, 12 March 2007. (Invited Speaker)
Presentation: Newton, A. 2007. *“Eutrophication in transitional waters: Problems and approaches.”*
- 5 Conference: ENCORA conference**
Paris, 6 December 2007. (Invited Speaker)
Presentation:
Newton, A., 2007. *“Eutrophication: a key issue for sustainable ICZM”.*
- 6 Workshop: Land-Ocean Interactions the Coastal Zone LOICZ workshop “Coastal nutrient budgeting: the LOICZ approach”**
Anna University, Chennai, India, 13 September 2008. (Invited Speaker)
Presentation: Newton, A. 2008. *“Application of the DPSIR framework to coastal zones.”*
- 7 Workshop: Environmental Protection Agency (EPA): “Nutrient Criteria Development International Approaches & Perspectives”.**
U.S. Environmental Protection Agency, Office of Science and Technology, Health and Ecological Criteria Division. Washington, 27-31th October 2008. (Invited Speaker)
Presentation: Newton, A., 2008 *“Nutrient Condition and the Water Framework Directive in coastal and transitional Waters, Portugal.”*

ORAL PRESENTATIONS

- 8 Conference: ASLO American Society of Limnology and Oceanography**
Nice, France, 10-15th January 2009. (Keynote Speaker)
Presentation: Newton, A. 2009. *"Fractal coastal futures emerging global trends."*
- 9 Conference: Erasmus Mundus Alumni conference on Climate Change**
Budapest, Hungary, 26-28th February 2009. (Invited Speaker)
Presentation: Newton, A., 2009 *"Global change and the coastal zone."*
- 10 Workshop: European Space Agency ESA Workshop Coastal Colour** (Invited Speaker)
Ireland, 19-20th March 2009. (Invited Speaker)
Presentation: Newton, A. and Kramer, H. 2009. *"ESA Requirements from the LOICZ project."*
- 11 Workshop: TOPC/OOPC/AOPC workshop "Global climate observing system"** (Invited Speaker), **Expert group meeting on Ocean Colour**
EU Joint Research Centre at Ispra, Italy, 2-5th June 2009. (Invited Speaker)
Presentation: Newton, A., 2009. *"Remote sensing of land-ocean interactions in the coastal zone."*
- 12 Conference: SPICOSA – Science and Policy Integration for Coastal System Assessment Project Public Roundtable**
Rome, Italy, 8-12 June 2009. (Invited Speaker)
Presentation: Newton, A. 2009 *"SPICOSA in a Global Context."*
- 13 Workshop: LOICZ – Land Interactions in the Coastal Zone workshop**
Kjeller, Norway, 15-19th June 2009. (Keynote Speaker)
Presentation: Newton, A. 2009. *"Fractal coastal futures."*
- 14 Vrije University of Amsterdam**
1 October 2009. (Invited Speaker)
Presentation: Newton, A. 2009. *"Eutrophication and GES Good Environmental Status."*
- 15 University of Southern Denmark**
13 November 2009. (Invited Speaker)
Presentation: Newton, A. 2009 *"Quantification of climate change impacts on the Arctic economy."*
- 16 University of Southern Denmark**
13 November 2009. (Invited Speaker)
Presentation: Newton, A. 2009 *"Quantification of climate change impacts on the Arctic economy."*

ORAL PRESENTATIONS

- 17 Conference: Jornadas Internacionales de Oceanografía**
Instituto Argentino de Oceanografía, IADO, Bahía Blanca, Argentina, 30 November till 4 December 2009. (Invited Speaker)
Presentation: Newton, A. 2009 *“DPSIR framework and global change of the coast.”*
- 18 Symposium: 22nd Joint Symposium Academic Liaison on Coastal Environment.**
“Constructing the network for desirable coastal environment. Problems and Perspectives.”
University of Tokyo, Graduate School of Frontier Sciences, Japan, 23 January 2010. (Invited Speaker)
Presentation: Newton, A. 2010. *“Case studies: land-ocean interactions in the coastal zone of Japan.”*
- 19 Symposium: 5th European Coastal Lagoon Symposium.**
University of Aveiro, 25-30th July 2011.
Presentations:
Newton, A. 2011. *“Coastal Lagoon Properties in the Context of Climate Change.”*
(Keynote speaker of the opening session)
- 20 LOICZ - Land-Ocean Interactions the Coastal Zone Open Science Conference.**
Yantai, China, 2011.
Newton A. *“Hotspots of global change in the coastal zone”*
(Keynote speaker of the opening session)
- 21 Peking University**
Beijing, China October 2011
Newton A. *“Coastal Syndromes: global change and the coastal zone”*
(Invited Speaker)

13.5. Oral Presentations on Research Topics

ORAL PRESENTATIONS

- 1 Conference: Southern European Coastal lagoons: the influence of River basin-Coastal Zone interactions**
Ferrara, Italy, 10-12th November 2003.
Presentation: Theme 2a: Nutrients and Eutrophication
Icely J.D., Edwards V., **Newton A.**, Caetano S., Mendes P, Perreira G., & Rodrigues R. 2003. *“Aspects of the pelagic biology of the mesotidal lagoon, Ria Formosa, in Southern Portugal.”*
- 2 Conference: ASLO - American Society of Limnology and Oceanography and The Oceanography Society Ocean Research Conference**
Honolulu, Hawaii, USA 15-20th de February 2004.
Presentation: Newton, A., Icely, J.D., 2004. *“Coastal eutrophication the good, the bad and the ugly.”*

ORAL PRESENTATIONS

- 3 Conference: International Coastal Symposium**
Itajaí - Santa Catarina, Brasil, 14-18 March 2004.
Presentation: Newton, A., Icely, J.D., 2004. *"Oceanographic applications to eutrophication in tidal, coastal lagoons, the Ria Formosa."*
- 4 Conference: European Conference on Coastal Zone Research an ELOISE Approach.**
Portoroz, Slovenia, 14-18th November 2004.
Presentations:
Newton, A, Icely, J.D., 2004. *"Nutrient dynamics in the Ria Formosa lagoon. Implications for Surveillance Monitoring of Chemical Quality Elements in accordance with the Water Framework Directive."*
Nobre, A.M., Ferreira, J.G., **Newton, A.,** Simas, T. Icely, J.D. Neves R. 2004 *"Integration of field data and ecosystem models for eutrophication management."*
- 5 Conference: ASLO American Society of Limnology and Oceanography**
Santiago de Compostella, Spain, June 2005.
Presentation: Newton, A. 2005. *"Assessing and modelling Eutrophication."*
- 6 Conference: 2nd European Lagoon Conference**
Klaipeda, Lithuania, 4-9 October 2005.
Presentation: Newton, A. 2005. *"The Ria Formosa Lagoon (Portugal) and the Water Framework Directive."*
- 7 Conference: ERF Estuarine Research Federation Conference**
Norfolk, Virginia, October 2005.
Presentation: Newton, A. 2005. *"Managing River Basins and Estuaries: an International Assessment of Approach and Progress."*
- 8 Symposium: International Symposium on Eutrophication** *"Research and Management of Eutrophication in Coastal Ecosystems"*
Nyborg, Denmark, 20-23 June 2006.
Workshop: Eutrophication of Coastal lagoons
Presentation: Newton, A. and Dennison, W. 2006 *"Eutrophication in coastal lagoons."*
Workshop: Coastal lagoons Research and Management.
Presentation: Newton, A., Goela, P., Icely, J. 2006 *"The effect of drought on nutrients in the Ria Formosa Coastal lagoon."*
- 9 Conference: ECOSUMMIT Conference**
Beijing, China, 22-27th May 2007.
Presentations:
Icely J., **Newton, A.,** Mudge, S., Oliveira, P. 2007 *"Episodic hypoxia: a problem for lagoon management"*.
Cristina S., **Newton A.,** Icely, J. 2007. *"Integrative tools and methods in assessing ecological integrity in estuarine and coastal systems."*

ORAL PRESENTATIONS

- 10 Conference: 1ST LAGUNET Conference and 3rd European Conference on Lagoon Research**
Naples, Italy, 19-23th November 2007.
Presentations:
Newton, A., Basset, A., Viaroli, P., Zalidvar, J. 2007. *"The Water Framework Directive and the DPSIR framework indicators of eutrophication of coastal lagoons"*.
Mudge, S., Icely, J., **Newton, A.,** *"Vulnerabilities in Transitional Waters – oxygen depletion."*
Icely, J., Hinson, B., Mudge, S., **Newton, A.,** 2007. *"Effect of sediment characteristics on the microphytobenthos community in the Ria Formosa Lagoon, Portugal."*
- 11 Conference: IGBP – International Geosphere-Biosphere Programme Congress**
Capetown, South Africa, 5-9th May 2008
Session: *"Vulnerability of coastal livelihoods and response strategies in a changing Earth system."*
Presentation: Newton, A., Goela, P., Cristina, S. 2008 *"Climate change and wet/dry years effects in a coastal lagoon."*
- 12 Workshop: ESA-European Space Agency Intercalibration Workshop**
Sweden, 29 July until 1 August 2008.
Presentation: Icely, J., Fragoso, B., **Newton, A.** 2008. *"Validation of MERIS- Medium Resolution Imaging Spectrometer Marine Products at Portuguese Oceanic and Coastal Sites."*
- 13 Workshop: Land-Ocean Interactions the Coastal Zone LOICZ workshop "Coastal nutrient budgeting: the LOICZ approach"**
Anna University, Chennai, India, 10-13th September 2008.
Presentation: Newton, A. 2008 *"Assessment of Eutrophication."*
- 14 Conference: IGBP Scientific Council of the International Geosphere-Biosphere Programme**
Sapporo, Japan, 13-20th April 2009. Participation in IGBP SSC as LOICZ Chairperson.
Presentation: Newton, A. and Zhu, T. 2009 *"Megacities in the coastal zone."*
- 15 Workshop: LOICZ – Land Ocean Interactions in the Coastal Zone Workshop "Coastal Lagoons"**
Rabat, Morocco, 8-18th May 2009.
Presentation: Newton A. 2009. *"Drivers, Pressures, State, Impact and Response framework for coastal lagoons."*
- 16 Workshop: KnowSeas-Knowledge-based Sustainable Management for Europe's Seas project First scientific workshop**
Vrije University, Amsterdam, 30 September until 2 October 2009.
Presentation: Newton, A. 2009. *"The Water Framework Directive Ecological Status and the Marine Strategy Framework Directive Environmental Status."*

ORAL PRESENTATIONS

- 17 Conference: 7 PQ KnowSeas project meeting**
Holand, University of Amsterdam, 30 October 2009.
Presentation: Newton, A. 2009 *"The Water Framework Directive Ecological Status and the Marine Strategy Directive Environmental."*
- 18 Conference: CERF Conference**
Portland, Oregon, USA, 2-6th November 2009.
Presentation: Eutrophication session SCI-093
Newton, A. 2009 *"Nutrient Budgets and Nutrient Accounting for Coastal Waters."*(Cancelled)
- 19 Conference: 4th European Conference on Coastal Lagoon Research** *"Research and Management for the Conservation of Coastal Lagoon Ecosystems, South - North comparisons"*.
Montpellier, France, 14-18th December 2009.
Presentation: Newton, A. 2009. *"Using a system approach and the DPSIR framework for lagoons in the context of global change."*
- 20 Conference: SPICOSA- Science and Policy Integration for Coastal System Assessment project 5th "SAF- Systems Approach Framework" Science meeting**
Turkey, Istanbul, 3-5 de February 2010.
Presentation: Icely, J., **Newton, A.** 2010. *"Field Training Experience and Beyond."*
- 21 Workshop ESA: MERIS Validation Team Meeting**
Ispra, Italy, 8-10th March 2011.
Presentation: Icely, J., Cristina. S., Goela, P., **Newton, A.** *"MERIS validation activities in Portugal."*
- 22 Workshop ESA: GKSS MERIS Validation**
Lauenburg, Germany, 29-31th March 2010.
Presentation: Icely, J.; Moore, G., Cristina, Goela, P., **Newton, A.**, Kratzer,S. *"Validation of MERIS marine products at Portuguese oceanic and coastal sites."*
- 23 International Symposium on ICZM**
Arendal, 4-7th July 2011
Presentation: Gault, J.; Icely, J.; Newton, A.; Glegg, G.; Lowe, C.; Reis, J.; Hills, J.Le Tissier, M.; *"Life after SPICOSA: The SAF legacy"*.

ORAL PRESENTATIONS

24 Symposium: 5th European Coastal Lagoon Symposium.

University of Aveiro, 25-30th July 2011.

Presentations:

Iglesias, M.; Roselli, L.; **Newton, A.**; Goela, P.; Cristina, S.; D'Adamo, R.;2011. "*Geomorphology as a driving factor to the trophic status of several Southern Europe coastal lagoons*".

Brito, A.; Facca, C.; **Newton, A.**; Fernandes, T.; Tett, P.;2011. "The importance of microphytobenthos in shallow coastal lagoons: a comparative analysis with phytoplankton".

13.6. Posters

	POSTERS
1	<p>UK'96 Oceanography. Bangor, 1-5th September 1996. Poster: Newton, A., Dodge, J.D., Icely J. D. 1996 <i>“Upwelling, nutrients, dinoflagellates and aquaculture.”</i></p>
2	<p>European Conference on Coastal Zone Research: an ELOISE Approach. Rende, Italy, 5-7th September 2001. Poster: Newton, A., Icely, J.D, C.Vale, A.Nobre, J.P.Nunes, J.G. Ferreira, 2001 <i>“Eutrophication in the Ria Formosa coastal lagoon, Portugal.”</i></p>
3	<p>Challenger Centenary Conference on Marine Science Plymouth, U.K., 9-13th September 2002. Poster: Pereira, M.G., Mudge, S.M., Icely, J.D. & Newton, A., 2002. <i>“Seasonal variation of phytopigments in the waters of the Ria Formosa, Portugal.”</i></p>
4	<p>6th International LITTORAL Conference. Porto, Portugal, 22-26th September 2002. Poster: Newton, A., Icely, J.D. 2002 <i>“Impact of coastal engineering on the water quality of the Ria Formosa lagoon, Portugal”.</i></p>
5	<p>Federation of European Microbiology Societies International Conference. Taormina, Sicily, Italy, 25-29th October 2002. Poster: Caetano, S., Mendes, P., Icely, J.D., Galvão, H., & Newton, A. 2002 <i>“Nanophytoplankton seasonal variations in the Ria Formosa lagoon – South Portugal.”</i> Poster: Mendes, P., Caetano, S., Icely, J.D., Galvao, H. & Newton, A. 2002 <i>“Primary and bacterial production in the Ria Formosa (SE Portugal): coupled or not?”</i></p>
6	<p>European Conference on Coastal Zone Research: An ELOISE Approach Gdansk, Poland, 24-27th March 2003. Poster: Edwards, V., Icely, J.D., Webster, R., & Newton, A. 2003. <i>“A comparison of the yield of chlorophyll from nitrogen between the lagoonal waters of the Ria Formosa and the oceanic waters off Sagres on the Southern coast of Portugal.”</i> Poster: Icely, J.D., Edwards, V., Caetano, S., Mendes P., & Newton, A. 2003. <i>“The use of bulk parameters to compare seasonal changes in the Ria Formosa lagoon on the south coast of Portugal.”</i> Poster: Mendes, P., Icely, J.D, Perreira G., & Newton A., 2003. <i>“A comparison of seasonal changes in primary and bacterial production at three contrasting sites in the Ria Formosa lagoon, Southern Portugal.”</i> Poster: Nobre, A., Ferreira, J-G, Icely, J.D., Newton, A., & Lencart-Silva, J., 2003. <i>“Land-ocean interactions for a shallow mesotidal lagoon – analysis by ecological modelling.”</i></p>

POSTERS

- 7 First World Environmental Education Conference**
Espinho, Portugal, 23-25th May 2003.
Poster: Newton A. 2003. *“European Joint Master of Science in Water and Coastal Management.”*
Poster: Newton A. 2003. *“Environmental Education in Multidisciplinary Teacher Training.”*
- 8 Estuarine Research Federation Conference “Estuaries on the Edge”**
Seattle, USA, 14-18th September 2003.
Poster: Loureiro, S., Newton, A., Icely, J.D. 2003 *“Nutrient availability and phytoplankton composition in the Ria Formosa coastal lagoon (S. Portugal), spatial and seasonal variability.”*
- 9 Southern European Coastal Lagoons Conference *The influence of River basin-Coastal Zone interactions* Theme 2a: *Nutrients and Eutrophication***
Ferrara, Italy, 10-12th November 2003.
Poster: Loureiro, S., Newton, A., & Icely, J.D. 2003 *“Effects of nutrients reaching the Ria Formosa coastal lagoon (S. Portugal): enrichment experiments and primary production.”*
- 10 GEOHAB Open Science Meeting “Harmful Algal Blooms HABS in Upwelling Systems”**
Lisboa, Portugal, 17-20th November 2003.
Poster: Dodge, J.D. Icely, J.D. & Newton, A. 2003 *“Eight years of dinoflagellates from a Portuguese upwelling system.”*
Poster: Loureiro, S., Newton, A., & Icely, J.D. 2003.
- 11 SCOR- Science Council for Ocean Research Working Group 115 Mini-Symposium: “Standards for the survey of and analysis of plankton”**
Plymouth, England, 19-20th May 2006.
Poster: Dodge, J.D., Icely, J., Newton, A., Legrand, C., 2006 *“Dinoflagellates over eight years from a Portuguese upwelling system.”*
- 12 Royal Society of Chemistry Conference of the on “Environmental Forensics”**
University of Durham, England, 18-21th September 2006.
Poster: Wayland, D., Megson, D.P., Mudge, S.M, Icely, J.D., Newton, A., 2006 *“Identifying the source of nutrient contamination in a lagoon system.”*
- 13 KnowSeas- Knowledge-based Sustainable Management for Europe's Seas project**
First science conference
Palma de Mallorca, Spain, 7- 9th April 2010.
Poster: Icely, J.D. & Newton, A. 2010 *“Good Ecological Status.”*
Poster: Newton, A., Icely, J.D., Cristina, S. 2010 *“Good Environmental Status.”*

POSTERS

- 14 The Living Planet Symposium**
Norway, Bergen, 28 June until 2 July 2010.
Poster: Goela, P. Icely, J.D., Cristina, S., **Newton, A.** 2010 *“Absorption coefficient of particulate matter on the south-west coast of Europe: A contribution to the validation of the MERIS sensor.”*
Poster: Cristina, S., Icely, J.D., Goela, P., **Newton, A.** 2010 *“Validation of MERIS satellite products in oceanic waters off Cape Sagres on the south-west coast of Portugal.”*
- 15 Estuarine & Coastal Sciences Association 47th Symposium “Integrative Tools and Methods in Assessing Ecological Quality in Estuarine and Coastal Systems Worldwide”**
Figueira da Foz, Portugal, 14-19th September 2010.
Poster: Goela, P., Cristina, S., Luís, C., Icely, J.D., **Newton, A.** 2010 *“Effect of rainfall on the water quality of a coastal lagoon in the context of climate change.”*
Poster: Cristina, S., Goela, P. C., Luís, C., Icely, J.D., **Newton, A.** 2010 *“Assessment of water quality and Biological Quality Elements of the Ria Formosa coastal lagoon in accordance with the Water Framework Directive.”*
Poster: Mudge, S.M., **Newton, A.** 2010 *“Using Multivariate Statistics in Comparing the Ecological Status of Water Bodies under the WFD.”*
- 16 Ocean Optics Conference**
Anchorage, Alaska, 27 September until 1 October de 2010.
Poster: Cristina, S., Icely, J.D., Goela, P., **Newton, A.** 2010 *“Evaluation of the MERIS marine products in coastal and oceanic waters off Cape Sagres on the south-west coast of Portugal.”*
Poster: Goela, P., Icely, J.D., Cristina, S., **Newton, A.** 2010 *“Light absorption by particulate and dissolved organic matter in coastal and oceanic sites off the Southwest Coast of Europe: A contribution to MERIS sensor validation.”*
- 17 Second KnowSeas Conference**
Istambul, Turkey, 23-25th February 2011.
Poster: Icely, J., Newton, A., Arguelles, M., Icely, D. *“EMBS:ESCA tool”*
- 18 5th Eurolag European Lagoon Symposium**
Aveiro, Portugal, 25-30th July 2011
Poster: Brito, A.; Newton, A.; Tett, P.; Fernandes, T. 2011 *“Measuring light attenuation in coastal shallow lagoons”.*

14. ORGANIZATION OF MEETINGS, WORKSHOPS AND CONFERENCES

14.1. Organization of Scientific Meetings, Workshops and Conferences

- 1 **OAERRE** project meeting
Faro, Portugal, October 2002.
Organizer
- 2 **ERF**, Estuarine Research Federation Conference “*Estuaries on the Edge*”
Seattle, USA, 14-18th September 2003.
Session Chair “*Coastal lagoons*”
- 3 **ASLO - American Society of Limnology and Oceanography and The Oceanography Society**
Ocean Research Conference
Honolulu, Hawaii, USA, 15-20th February 2004.
Session Chair “*Coastal Eutrophication*”
- 4 **SCOR - Scientific Committee on Oceanic Research Working Group 121: -**
Mechanisms of Sediment Retention in Estuaries
Faro, Portugal, 1 -3 September 2004.
Organizer
- 5 **MONAE – Monitoring of Portuguese Transition and Coastal Waters** project meeting
Faro, Portugal, 7-10th December 2004.
Organizer
- 6 **CRAB** project meeting
Faro, Portugal, 2005.
Organizer
- 7 **North East Atlantic –Geographical Intercalibration Group NEA-GIG**
Submerged Aquatic Vegetation (SAV) and benthos workshop I
Faro, Portugal, 19-20th May 2005.
Organizer
- 8 **Química ao Sul** meeting
Faro, Portugal, 20 May 2005.
Member of organizing committee
- 9 **ASLO** American Society of Limnology and Oceanography
Santiago de Compostella , Spain, June 2005.
Session Chair “*Eutrophication Assessment and Modelling*”

- 10 LOICZ Conference**
Egmont, NL, June 2005.
Session Chair *“Coastal Lagoons”*
- 11 2nd European Lagoon Conference**
Klaipeda, Lithuania, 4-9th October 2005.
Science Steering Committee and Session Chair
- 12 Estuarine Research Federation ERF Conference**
Norfolk, Virginia, October 2005.
Session Co-chair *“International Approach to Integrated River Basin Management”*
- 13 North East Atlantic –Geographical Intercalibration Group NEA-GIG**
Submerged Aquatic Vegetation (SAV) and benthos workshop II
Faro, Portugal, 27-28th October 2005.
Coordinator
- 14 International symposium** *“Research and Management of Eutrophication in Coastal Ecosystems”*
Nyborg, Denmark, 20-23th June 2006.
Session Co-chair: *“Eutrophication of Coastal lagoons”*
Workshop Co-chair: *“Coastal lagoons Research and Management”*
- 15 ECOSUMMIT Conference**
Beijing, China, 22-27 May 2007.
Session Co-chair
- 16 1ST LAGUNET Conference and 3rd European Conference on Lagoon Research**
Naples, Italy, 19 -23th November 2007.
Science Steering Committee
- 17 Littoral conference**
Gdansk, September 2006.
Workshop organizer *LOICZ tools*
- 18 ASLO (American Society of Limnology and Oceanography) conference**
Nice, France, January 2009.
Co-chair of a topical session: *“LOICZ: Land-Ocean Interactions in the Coastal Zone”*
- 19 LOICZ workshop** *“Fractal coastal futures”*
Norway, June 2009.
Session Chair
- 20 SPICOSA project Workshop** *“Application of the KERCOAST deliberation tool in conflict management in the coastal zone”*
September 2009, University of Algarve, Portugal.
Organizer

- 21 4th European Conference on Coastal Lagoon Research**
Research and Management for the Conservation of Coastal Lagoon Ecosystems, South - North comparisons.
Montpellier, France, 14-18th December 2009.
Science Steering Committee
Chairperson: Session 10 Management and Governance objectives for coastal lagoon conservation, with special reference to European directives.
- 22 Estuarine & Coastal Sciences Association-ESCA**
Figueira da Foz, Portugal, 14-19th September 2010.
Science Steering Committee
- 23 Littoral Conference**
London, 21-23th September 2010.
Science Steering Committee
- 24 KnowSeas Project Workshop**
Sagres, 16-21th June 2011.
Coordinator
- 25 2nd International Symposium on Integrated Coastal Zone Management**
Arendal, Norway, 2011.
Science Steering Committee
- 26 5th EuroLag – European Coastal Lagoons Symposium.**
Aveiro, Portugal, 25-30th July 2011.
Science Steering Committee

14.2. Organization of Future Scientific Meetings, Workshops and Conferences

- 1 LOICZ - Land-Ocean Interactions the Coastal Zone Open Science Conference**
Yantai, China, 2011.
Chairperson of the conference
Session co-convener: B5 Eutrophication, Hypoxia and Algal Blooms
- 2 Planet Under Pressure**
Day 1: State of the Planet, Theme: Meeting Global Needs
Session Co-convener: State of the Coastal Zone
London, 26-29th March 2012.
- 3 ASLO American Society of Limnology and Oceanography Summer Meeting,**
Session Co-convener:
Lake Biwa, Otsu, Japan, 8-13th July 2012.

14.3. Organization of Academic Meetings, Workshops and Conferences

- 1 Joint European Master Coordinators 3rd meeting**
Faro, 5 -10th September 2004.
Organizer
- 2 Coastal Profs workshop**
Faro, 11-15th June 2007.
Organizer

15. ADVISORY BOARD OF BOOK SERIES

The Handbook of Environmental Chemistry

Founded by: Hutzinger, Otto

Publisher: Springer Berlin / Heidelberg

Editors-in-Chief: O. Hutzinger, A. Kostianoy, D. Barceló

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16. PARTICIPATION IN EDITORIAL BOARDS

- 1 Newton, Alice. Current Opinion in Environmental Sustainability (COSUST). Editorial Body.**
- 2 Newton, Alice. International Journal of Environmental Science and Engineering (IJESE). Editorial Body.**

17. REFEREES

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09/09/2011

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