

Short CV of *Alice Newton*

Summary: Dr Alice Newton is a tenured Professor in the Department of Marine, Earth and Environmental Sciences (DCTMA), Faculty of Sciences and Technology (FCT) of the University of Algarve (UAlg) Portugal). As a full professor (Catedrático), she holds the Chair of Marine, Earth and Environmental Sciences.

She is:

- a member of Portugal's Marine and Environmental Research Center (CIMA);
- a member of Portugal's Infrastructure Network in Aquatic Research (ARNET);
- a member of the RAMSAR Mediterranean Wetlands Scientific and Technical Network Climate Change Specialist Group;
- an *ex-officio* member of the Integrated Marine Biosphere Research (IMBeR) Science Executive Committee;
- Chairperson of the Sustainability Panel of the Agence Nationale de Recherches (France);
- a member of the United Nations Environmental Programme: Scientific Council of the Global Partnership on Nutrient Management (GPNM).

She was:

- a member of Portugal's Institute of Marine Research (IMAR);
- a Council member of the Estuarine and Coastal Sciences Association (ECSA);
- a member of the Future Earth Ocean Knowledge Action Network steering committee;
- the Chairperson of Land-Ocean Interactions in the Coastal Zone (LOICZ);

Current position and work experience

- University of Algarve: 1984-2025
 - 1984 Lecturer
 - 2004 Head of Department of Chemistry and Biochemistry
 - 2014 Tenured Professor in Marine Sciences
 - 2015 Head of International Office
 - 2025 Chair of Marine, Earth and Environmental Sciences
 - 2025 Director of Sagres Research Station (EMS)

Higher Education

- BSc (Joint Honours). Oceanography, Marine Biology. University of Wales, Bangor 1978-1981;
- MSc (by research). Biological Oceanography, University of Wales, Bangor 1986-1988;
- PhD Chemical Oceanography, University of Wales, Bangor 1990-1995;
- Agregação (similar to DSc) in Marine Sciences, University of Algarve, 2014.

Research experience:

- 2009-2012: Chairperson of LOICZ Science Steering Committee
- 2009-2012: 7th Framework Programme KnowSeas- Knowledge-based Sustainable Management for Europe's Seas project

- 2010-2012 OSPAR-CAMP Comprehensive Atmospheric Monitoring Programme. Project leader
- 2009-2019 NILU- Norwegian Institute of Air Research 2009-2019 Senior Researcher on coastal zone
- 2012-2015: 7th Framework Programme COMET LA project. WP leader.
- 2012-2016: 7th Framework Programme DEVOTES project (MSFD Biodiversity descriptor). WP leader
- 2015-2017: EEA grant SOPHIA project. Consultant.
- 2017-present: Integrated Marine Biosphere Research (IMBeR) Global Research Project. Future Earth Coast.
- 2021: Lead scientist on Circles of Coastal Sustainability (Future Earth Coast)

Current research:

- Global research network on **Integrated Marine Biosphere Research, Eutrophication** study group <https://imber.ecnu.edu.cn/Eutrophication/list.htm>
- Global sustainability of coastal lagoons (Future Earth Coast)

Professional experience

Professor Newton advises various national, international and multinational governmental and non-governmental organisations as well as research funding agencies, on aspects of science-policy implementation. Examples include:

- US Environment Protection Agency (nutrient criteria);
- EU-JRC (Eutrophication in Coastal and Transitional waters);
- EU-JRC (Implementation of the Water Framework Directive);
- EU- DG RTD (Bioeconomy);
- Portugal: INAG Portuguese Ministry of Environment and DGRm Directorate for Marine Resources (Implementation of the Water Framework Directive);
- Norway: KLIF (now Norwegian Environment Directorate), Management plan for North Sea and Skagerrak;
- United Nations Environmental Programme: Regional Seas Conventions, Indicator Group (including Chlorophyll);
- United Nations Environmental Programme: Global Partnership on Nutrient Management (GPNM);
- Danish Ministry of Environment: [International Panel on nitrogen reduction](#).

Teaching Experience:

Alice Newton has taught in Higher Education Institutions at undergraduate, master and doctoral level. As well as teaching in her home institution, she has taught at many Universities internationally: Brazil [Universidade de Santa Cecília](#), [Universidade Federal de São Paulo](#), China [Ocean University of China](#), [East China Normal University](#), [University of Chinese Academy of Sciences](#); Colombia [University of Eafit](#), [Pontificia Universidad Javeriana](#); Italy [University of Lecce](#) and [University of Bologna](#), Morocco [Mohamed V University - Agdal](#), Norway [University of Bergen](#), Poland [University of Gdansk](#), [Gdansk Technical University](#), [University of Szczecin](#), [University of Częstochowa](#), Spain [University of Cadiz](#), [University of Barcelona](#), UK [University of Wales](#), [University of Plymouth](#), [University of Portsmouth](#).

Scientific Supervision experience:

She has supervised and co-supervised 67 Master students, 5 Post-graduate fellows, 27 Doctoral candidates and 10 Postdoctoral fellows from many different countries.

Prizes, fellowships and awards:

Dr Newton has been awarded 13 fellowships/scholarships since 2003, including a Scientific Committee on Oceanic Research (SCOR) fellowship for North Africa (2011), an Institute of Advanced Studies fellowship at the University of Bologna (2011) and an *Erasmus Mundus* scholarship in Brazil (2013) and China 2014, as well as Chinese Academy of Sciences Professorship (2014-6) at Institute of Coastal Research of the Chinese Academy of Sciences, Key State Laboratory, Yantai, China; and is a 111 Expert of the State Key Laboratory of Estuarine and Coastal Research, P.R. China (2017).

Publications:

Alice has published more than 120 articles in ISI journals, edited 5 special issues of ISI journals and 12 book chapters.

Publication profiles can be found at:

<http://orcid.org/0000-0001-9286-5914>

<https://www.authenticus.pt/pt/users/profile/8036>

[Web of Science author AAL-7152-2021](#)

<https://scholar.google.com/citations?user=Kntd3kkAAAAJ&hl=en&oi=ao>

<https://www.scopus.com/authid/detail.uri?authorId=7201391894>

<https://loop.frontiersin.org/people/333937/overview>

<https://publons.com/researcher/4388847/alice-newton/>

<https://scholargps.com/scholars/88176015275530/alice-newton>

Other rankings can be found at:

<https://research.com/university/environmental-sciences/university-of-algarve>

[UNOC-3 Talent Book](#)

https://www.researchgate.net/profile/Newton_Alice/

<https://www.linkedin.com/pub/alice-newton/13/74b/aa6>

<https://www.cienciavita.pt/6F13-1247-B2B7>

https://whova.com/portal/webapp/iwps_202311/profile_edit

Recent articles (2024-25):

Understanding planktonic diatoms to inform site selection for shellfish offshore aquaculture systems

CS Freitas, P Goela, J Icely, BDD Frago, L de Oliveira Júnior, S Cristina, A Newton

Marine Environmental Research, 107200, 2025

Building an integrated analytical framework: a new methodology to analysing social-ecological systems

SR Gari, A Newton, JD Icely

Journal of Environmental Planning and Management, 1-29, 2025

Highly intervened estuaries: impacts, dynamics and system responses

JC Restrepo, A Newton, B Van Maanen, JD Restrepo-Angel, M Becker

Frontiers in Earth Science 12, 1414862, 2024

Circles of coastal sustainability and emerald growth perspectives for transitional waters under human stress

R Povilanskas, A Jurkienė, I Dailidienė, R Ernšteinis, A Newton...

[Assessment of the Chesapeake Bay watershed socio-ecological system through the Circles of Coastal Sustainability framework](#)

ME Leyva Ollivier, A Newton, H Kelsey
Frontiers in Water 6, 1269717, [2](#), 2024

[Development of a management-based ranking of beaches](#)

EB de Oliveira, A Newton, CM Botero
Anthropocene Coasts 7 (1), 6, [2](#), 2024

[A multi-sensor approach to monitor the ongoing restoration of edaphic conditions for salt marsh species facing sea level rise: An adaptive management case study in Camargue, France](#)

Aurélie Davranche, Céline Arzel, Pierre Pouzet, A Rita Carrasco, Gaëtan Lefebvre, Dimitri Lague, Marc Thibault, Alice Newton, Cyril Fleurant, Mohamed Maanan, Brigitte Poulin
Science of the Total Environment 908, 168289 [5](#), 2024

[Best beaches of the world: a critique of web-based rating](#)

EB de Oliveira, A Newton, CM Botero
Anthropocene Coasts 7 (1), 2, 2024

Most cited articles:

Article	Citations	Year
A review of the application and evolution of the DPSIR framework with an emphasis on coastal social-ecological systems SR Gari, A Newton, JD Icely Ocean & coastal management 103, 63-77	546	2020
An overview of ecological status, vulnerability and future perspectives of European large shallow, semi-enclosed coastal systems, lagoons and transitional waters A Newton, J Icely, S Cristina, A Brito, AC Cardoso, F Colijn, S Dalla Riva, ... Estuarine, Coastal and Shelf Science 140, 95-122	426	2014
Assessing, quantifying and valuing the ecosystem services of coastal lagoons A Newton, AC Brito, JD Icely, V Derolez, I Clara, S Angus, G Schernewski, ... Journal for nature conservation 44, 50-65	347	2018
Recreation carrying capacity estimations to support beach management at Praia de Faro, Portugal DA Zacarias, AT Williams, A Newton Applied Geography 31 (3), 1075-1081	300	2011
Evaluation of eutrophication in the Ria Formosa coastal lagoon, Portugal A Newton, JD Icely, M Falcão, A Nobre, JP Nunes, JG Ferreira, C Vale Continental shelf research 23 (17-19), 1945-1961	298	2003

Short Biography of *Alice Newton*, Marine Scientist, Oceanographer

Alice Newton is an internationally known marine scientist who has contributed to knowledge on eutrophication and coastal lagoons. This is demonstrated by her scientific publications, more than 120 articles in ISI journals, more than 40 keynote conference presentations and policy publications for the EU, the USA-EPA and national agencies, such as the Danish Ministry of the Environment.

Dr Alice Newton is a tenured, full Professor, Chair of Marine, Earth and Environmental Sciences of the Department of Marine, Earth and Environmental Sciences (DCMTA), Faculty of Sciences and Technology (FCT) of the University of Algarve (UALg, Portugal). Her qualifications include a BSc with joint honours in Marine Biology and Oceanography (U. of Wales); an MPhil in Biological Oceanography (U. of Wales); a PhD in Chemical Oceanography (U. of Wales); equivalence PhD in environmental Chemistry (UALg).

She has 40 years experience in marine research and teaching in Higher Education. She has coordinated global research projects such as the Land-Ocean Interaction in the Coastal Zone (LOICZ) project and international higher Education networks, such as the network Erasmus Mundus Water and Coastal Management universities. Within the University of Algarve, she has held several positions of responsibility, such as Head of Department of Chemistry and Biochemistry, member of Senate, the coordination of the International Relations and Mobility office and appointed as coordinator of the Sagres research station (EMS).

Additionally, she is / has been a member of the Marine and Environmental Research Center (CIMA) and of ARNET - Infrastructure Network in Aquatic Research; a Council member of the Estuarine and Coastal Sciences Association (ECSA); the European Engagement Partner of Future Earth Coasts, (FEC); a member of the Future Earth Coast Academy; a member of RAMSAR Mediterranean Wetlands Scientific and Technical Network Climate Change Specialist Group; a member of the Future Earth Ocean Knowledge Action Network development team; a member of the pool of experts for the second United Nations World Ocean Assessment; a member of the Dialogue Forum of the Oceans-Pact; a member of the Integrated Marine Biosphere Research (IMBeR) Science Executive Committee, then Vice-Chairperson and then Co-Chairperson of IMBeR. She is a member of the UN Global Partnership on Nutrient Management and the Chairperson of the Sustainability Panel (Agence Nationale de Recherche (FR).

Dr Newton advises various national, international and multinational governmental and non-governmental organisations as well as research funding agencies, on aspects of science-policy implementation, (e.g. the Water Framework Directive, the Marine Strategy Framework Directive, Regional Seas Commissions and the UN 2nd World Ocean Assessment). Examples of **expert consultancies** include: **Ministry of the Environment, Denmark**, Water Framework Directive implementation in coastal waters; **European Commission** (DG Research) on the bioeconomy; European Commission (Joint Research Centre) on Eutrophication in Transitional Water bodies and the Intercalibration of Water Framework Directive; INAG (**Portuguese Ministry of Environment**, Institute of Water Research), Implementation of Water Framework Directive in Transitional Waters and Coastal Waters; **US Environmental Protection Agency**, Nutrient criteria; KLIF (now **Norwegian Environment Agency**), Management plan for North Sea and Skagerrak; **Directorate General for Marine Resources**, Portugal Direção Geral Recursos Marinhos, Portugal, Implementation of the Marine Strategy Framework Directive (SOPHIA project); **United Nations Environmental Programme** Regional Seas Conventions, Indicator Group (including Chlorophyll); **United Nations Environmental Programme**: Global Partnership on Nutrient Management (GPNM); **United Nations** World Ocean Assessment II.

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