

CURRICULUM VITAE

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Statement

TF is a Professor in Environmental Science at the School of Life Sciences, Heriot-Watt University. Her research work focuses on effects of stressors in natural systems and recovery. TF has attracted funding from a range of national and international agencies and institutes such as NERC, DEFRA, British Council, European Commission, Danish Government, Portuguese Government, Trusts. Currently TF co-supervises a team of research fellows and doctoral students, sponsored by the UK Government, Research Councils, Industry and the European Commission. From 2006 to 2009 TF was an external scientific expert of the European Commission Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR), to which she was appointed again recently. . Currently, Teresa Fernandes acts as an external scientific expert on Risk Assessment of the Scientific Committees of the European Commission. She also acts as adviser to the ISO/TC 229 Task Group on Nanotechnology and Sustainability, and to the Irish EPA in the area of Nano ecotoxicology. She is the chair of the European Commission Nanosafety Cluster Hazard (Ecotox) topic group. She is an appointed a member of NERC Peer Review College and she was appointed recently as the Mariane Alliance for Science and Technology Scotland (MASTS) research leader in the area of Biodiversity, Function and Services. TF has extensive experience in international research and collaboration and has delivered invited workshops in the area of marine science management at several Universities and institutes in the UK, Portugal, the Netherlands, Ireland, Greece, Iran, Venezuela, Argentina, amongst others. TF has published over 80 refereed scientific publications.

Education and Qualifications

2001 Postgraduate Diploma Applied Statistics, School of Mathematics and Statistics, Napier University. Distinction.

1989 - 1992 PhD, Zoology Department, University of Aberdeen. Research project entitled An Experimental Field Study of the Effects of Oil Pollution on the Structure and Functioning of Estuarine Intertidal Communities. Project supported by British Petroleum

Development, Ltd (BP) and Shetland Oil Terminal Environmental Advisory Group (SOTEAG).

- 1987 - 1988** Master of Science Marine and Fisheries Science, Zoology Department, University of Aberdeen and SOAEFD Marine Laboratory, Aberdeen. MSc Thesis entitled A Comparative Study of Multivariate Techniques for Detecting Environmental Patterns in Marine Benthic Communities. Project supported by British Petroleum Development, Ltd (BP).
- 1981 - 1986** Degree in Environmental Engineering, Faculty of Sciences and Technology, New University of Lisbon, Portugal. First class.

Membership of Professional Bodies

- 2005 Society of Environmental Toxicology and Chemistry
 2001 Institute of Learning and Teaching
 1993 Estuarine and Coastal Sciences Association (elected to the Council in 1995 - present)
 1991 European Marine Interdisciplinary Network
 1990 Scottish Association for Marine Science
 1989 British Ecological Society
 1987 Portuguese Environmental Engineers Association

Employment Details

February 2011 Heriot-Watt University **Full Professor**
 School of Life Sciences

Roles include research leadership and leader of MSc course 'Marine Environmental Monitoring and Management'

October 2008 Edinburgh Napier University **Full Professor**
 School of Life Sciences

Roles included management of Centre for Environment and Marine Sciences, deputy director of Centre for Nano Safety, research budget management, staff research management.

June 2008 Napier University **Research Leader**
 School of Life Sciences

Oct 2007 Napier University **Subject Group Leader**
 School of Life Sciences

Management of all academic staff within the environment area, including allocation of work loads, appraisal and reviews, mentoring.

Jan 2003 Napier University **Reader**
 School of Life Sciences

Duties as described below for the Senior Lecturer level, but with an increased focus on research, including further responsibility for research development, management and mentoring of staff.

Oct 2001 Napier University **Course Leader**
School of Life Sciences

BSc (Hons) Environmental Biology, BSc (Hons) Marine and Freshwater Biology, BSc (Hons) Animal Biology

May 2000 Napier University **Senior Lecturer**
School of Life Sciences

Duties included: teaching, administration and management, including Deputy Programme Leader for Postgraduate Programme MSc Biology of Water Resource Management, MSc project leader, supervision of BSc, MSc and PhD projects, participation in a number of Committees at School, Faculty and University level, and development of personal research and consultancy.

March 1994 Napier University **Lecturer**

Jan 93 - Mar 94 English Nature **Higher Scientific Officer**

Development of an Integrated Management Plan for the Humber Estuary as part of English Nature's Campaign for a Living Coast and Estuaries Initiative. Duties of the post included the collation, analysis and interpretation of environmental data, the production of reports and the presentation of talks and seminars, as well as setting up regular meetings with Government bodies, local authorities, statutory and non-statutory organisations and liaison with all interested parties including the general public and press.

March 1991 AURIS Ltd, **Environmental Consultant**
Environmental Division
(Aberdeen University Research and Industrial Services)

Multivariate analysis and interpretation of environmental data.

Jan 89 - Dec 91 Student demonstrator in: General Biology, General Ecology, Aquatic Biology, Community Ecology, Population Ecology and Field Ecology as part of the BSc degrees General Biology and Marine Biology and MSc Ecology, at the Zoology Department, University of Aberdeen.

Sept - Dec 1988 Aberdeen Univ. **Honorary Research Assistant**
Marine Studies Ltd

Taxonomy, data analysis and report preparation for North Sea benthic surveys.

Oct 87- May 88 Aberdeen University **Portuguese Teaching Assistant**
Dept. of Hispanic Studies

Apr - Jun 1987 CEEETA **Environmental Consultant**
(Centre for the Studies
of Economy, Energy, Transport and Environment, Lisbon)

Participating on the project “Environment - FEDER (European Fund for Regional Development)”, commissioned by the Department of Environment and Natural Resources, Portugal, as part of a European Community Environment Programme. As part of this project I was a co-author of a report highlighting Portugal’s main environmental problems and opportunities for funding by the European Community.

July 1987 Lecturer on the professional course “Water Resources Management”, sponsored by the European Social Fund, on the subject “Principles of Surface Water Quality Modelling and Control”.

March 1987 Lecturer on the professional course “Environmental Protection”, sponsored by the European Social Fund, on the subject “Water Resources Management”.

1986 - 1987 Environmental Systems Analysis Group (New University of Lisbon) **Research Assistant**

Project worker on the following projects:

“Integrated Management of the Water Resources of the Tagus Estuary”, sponsored by the Department of Environment and Natural Resources, Portugal.

“Environmental Impact Assessment of a Mineral Water Bottling Plant in a Protected Area”, for the Department of Environment and Natural Resources, Portugal.

1984 - 1986 New University of Lisbon **Research Trainee**

Project worker on the following projects:

“Environmental Impact Assessment of the Spanish Energy Producer Centres, on the River Tagus” - Baseline Characterisation;

“Environmental Impact Assessment of Tavira’s Marina” - Baseline Characterisation;

“Biomass Production from Organic Waste waters of Wine Distilleries”.

Other Skills

COMPUTER SKILLS Competent user of personal computer systems and packages. Full knowledge of MS-DOS, Windows and Apple Systems. User of mainframe systems and some knowledge of UNIX systems. Experienced user of statistical and multivariate numerical analysis packages, including Excel, Minitab, Stella, SPSS, Primer, Canoco.

LANGUAGES

Fluent in English, Portuguese, Spanish and French, both written and spoken. Alliance Française French diploma, Lisbon, 1986.

Teaching and Administration in Higher Education

**TEACHING DUTIES
& LEADERSHIP**

MSc course in Marine Management and Conservation, Climate Change, Marine Spatial Planning. Leader of Course: Marine Environmental Monitoring and Management.

At Edinburgh Napier University:

MSc *Aquatic Ecosystem Management* modules: Environmental Quality Assessment (Module Leader), Marine Ecosystems and Fisheries, Scientific Methods, Catchment Management, Aquatic Conservation and Protected Area Management, Field course leader. MSc project leader for all taught postgraduate courses within the School of Life Sciences.

BSc (Hons) *Environmental Biology, Marine and Freshwater Biology, Animal Biology, Biological Sciences, Toxicology and Life Sciences* modules:

Population and Community Ecology (3rd year, Module Leader),
Coastal and Marine Biology Field Course (3rd year, Organiser)
Marine Biology (3rd year),
Environmental Toxicology (3rd year, Module Leader)
Fisheries Biology (4th year, Module Leader),
Environmental Management (4th year).

Supervision of BSc and MSc projects (over 100 since 1994).

Management of MSc Research Projects.

Course Leader, BSc (Hons) *Environmental Biology, Marine and Freshwater Biology, Animal Biology*.

Subject Group Leader: with responsibility for discipline management and leadership, including academic development in the area of Environmental Biology.

**COMMITTEE
MEMBERSHIP**

University Senate, PG Student Committee.

At Napier University: University Court (2003-2009), Academic Board, University Health and Safety Committee (2006-09), University Student Affairs Committee (2003-2009), School and Faculty Research Committees, School Management Team.

**EXTERNAL
COLLABORATION**

Collaboration with a significant number of Universities and Research Organisations in relation with Teaching, Research and Consultancy. They include, amongst others: Dunstaffnage Marine Laboratory, Scottish Government Aberdeen Marine Laboratory, Scottish Environment Protection Agency, the Royal Museum of Scotland, Environmental Consultancy Enviro Aspinwall, Scott Wilson Resource Consultants, Aberdeen University, Hull University, University of York, Heriot-Watt University, University of Edinburgh, Stirling University, St

Andrews University, University of Port Elizabeth, South Africa, Algarve University and Lisbon University, Portugal, Station Marine d'Endoume, Centre d'Océanologie de Marseille, CNRS, France, Foundation Alfred Wegener Institute for Polar and Marine Research, Wadden Sea Station, Sylt, Germany, and a variety of other Institutions across the UK, Europe and overseas.

**TEACHING
INNOVATIONS**

Teaching methodologies include: role playing exercises, group work with a component of peer assessment, directed independent learning through the use of computer packages and risk assessment in a real-case scenario.

PHD EXAMINER

At the Universities of York, Aberdeen, Hull, Norwich, Exeter, Birmingham, Algarve, amongst others.

EXTERNAL EXAMINER

BSc(Hons) Marine Biology and BSc(Hons) Zoology, University of Aberdeen (2007-2009).

Scientific Research and Consultancy

**PROFESSIONAL &
RESEARCH INTERESTS**

Effects of Stress on Natural Communities
Pollution Assessment and Recovery in Aquatic Systems
Nanotoxicology
Endocrine disruptors
Aquaculture
Organic enrichment and eutrophication
Oil Pollution
Aquatic ecology
Coastal zone management

**Referee of
Scientific Work**

Computer Applications in Biological Sciences (CABIOS); Coastal Zone Topics; Aquatic Conservation: Marine and Freshwater Ecosystems; NERC/NATO Workshops (Topic: Coastal Zone Management); NERC MIME (Managing Impacts on the Marine Environment) Research Programme; Environmental Pollution; Journal of Animal Ecology, Estuarine and Coastal Shelf Sciences, Journal of the Marine Biological Association of the UK, Marine Ecology Progress Series, Aquatic Toxicology; Environmental Science and Technology; Environmental Toxicology and Chemistry, South African National Research Foundation Programme.

Research Student Supervision

COMPLETED PHD PROJECTS

Elizabeth Cook (1999) *Psammechinus miliaris* (Gmelin): *Factors affecting its Somatic and Gonadal Growth and its Suitability as a Species for Echinoculture*. PhD Research Project. Napier University, in collaboration with the Scottish Association for Marine Science, DML, Oban.

Stefan Bolam (1999) *The importance of Spatial Patterns in Marine Benthic Population and Benthic Community Investigations*. PhD Research Project. Napier University.

Hazel Lindsay (2002). *Assembly Studies in Rockyshore Communities*, Napier University, in collaboration with St Andrews University.

Jonathan Chamberlain (2003). *Modelling the Impact of Shellfish Farming*. PhD Research Project. Napier University, in collaboration with the Scottish Executive, FRS Marine Laboratory, Aberdeen.

Alex Ford (2005). *The effects of endocrine disrupters on marine invertebrates*, Napier University, in collaboration with the Scottish Executive FRSM, Aberdeen.

Julian Augley (2007). *The importance of intertidal areas as flatfish nursery habitats*. Napier University, in collaboration with Heriot-Watt University, Edinburgh.

Celine Laurent. (2009) *The development of simple models to assess the environmental capacity of coastal waters in relation with aquaculture*. Napier University/EU funding through project OAERRE.

Ana Brito (2009). *The Development of an Assimilative Capacity Model for the Sustainable Management of Nutrients within the Ria Formosa, Algarve*. Sponsored by FCT (Portugal).

Phillip Rosenkranz (2009). *Assessment of the effects of nanoparticles in invertebrate biota*. Sponsored by CSL/DEFRA.

Fiona Culhane. (2012) *The use of benthic communities in environmental health assessment*. Sponsored by the EU project SPICOSA.

Callum Whyte. (2012) *An Investigation into the changes in the Phytoplankton Community in Loch Creran, a Scottish Sea loch*. Sponsored by the EU project SPICOSA.

ONGOING PHD PROJECTS

Pooja Sainani. The effects of nanomaterials on primary producers. Self-funded.

Shona O'Rourke. The effects of nanomaterials on aquatic oligochaeta and polychaeta. Sponsored by the EU project NanoImpactNet.

Iain Reid. *Assessment of the effects of nanoparticles in aquatic snails*. Sponsored by Edinburgh Napier University.

Jon Mullinger. *The effects of nanoparticles on sediment dwelling organisms*. Sponsored by Unilever.

Kai Paul. *The effects of surface modification on nanoparticles ecotoxicological effects*. Sponsored by NERC (as part of a UK-USA project).

Simon Little. *The suitability of standard aquatic protocols to assess the effects of nanoparticles*. Sponsored by FP7 European project Marina.

Joanthan Curry. *The suitability of standard aquatic protocols to assess the effects of nanoparticles*. Sponsored by FP7 European project Marina.

**ONGOING
RESEARCH PROJECTS**

European Projects: Marina, Nanomicex, QNano. NERC: NanoBEE. CREW: Effects of new and emerging contaminants in Scotland. MSS/MASTS: Marine Spatial Planning: the management of aquaculture in Scotland. Current funding of over £800K.

Scientific Publications

- 1988** A. Carmona Rodrigues, M. Cardoso da Silva, A. Câmara, T.F. Fernandes and J. Gomes Ferreira. (1988) Dispersion Modelling for a Complex Estuary - the case of the Tagus. *Water Science Technology*, **20** (6/7): 271-276 (1988).
- 1990** A.S. Câmara, M. Cardoso da Silva, A. Carmona Rodrigues, J.M. Remédio, P.P. Castro, M.J.S. Oliveira and T.F. Fernandes. (1990) Decision Support System for Estuarine Water-Quality Management. *Journal of Water Resources Planning and Management*, **116** (3): 417-432.
- 1991** T.F.Fernandes (1991) "Multivariate Analysis of the North Sea Scott Oil Field Benthic Survey", Aberdeen University Research and Industrial Studies.
- 1993** T.F.Fernandes (1993) "The Development of a Management Plan for the Humber Estuary". Proceedings of the 2nd NRA, Humberside County Council Joint Conference, 11 Nov.
- T.F. Fernandes (1993) "The Humber Estuary Management Strategy and the role of English Nature in Oil Spill Emergency Planning and Response", document produced as part of a Training Course organised by the Southampton Oil Spill Service Centre, Associated Petroleum Terminal, Immingham, 19-22 Oct. 1993
- 1994** T.F. Fernandes (1994) "**Primer** - Notes on the usage of the Plymouth Marine Laboratory numerical analysis package". Document produced as part of the Estuarine and Coastal Sciences Association *Multivariate Analysis* Workshop, Heriot-Watt University, 28-30 March 1994.
- T.F. Fernandes (1994) "Humber Estuary - The development of a Strategy - Technical Report and Issues Document". English Nature Internal Document. March 1994.
- 1995** T.F. Fernandes, M. Elliott and M.C. Silva. (1995) The Management of European Estuaries: a comparison of the features, controls and characteristics of the Tagus and Humber. *Netherlands Journal of Aquatic Ecology*, **29**: 459-468.
- 1997** T.F. Fernandes and P. Read. (1997) The Management of coastal systems: comparative approaches. In: *Environmental Pollution: Assessment and Treatment* (Read and Kinross, eds.), 34-44, Napier University Press, Edinburgh.
- S. Madden, M. Huxham and T.F. Fernandes. (1997) "Sustainable Fisheries or Sustained Decline? Lobster stock conservation and enhancement in Ireland and Orkney". Report for the Orkney Fishermen's Association. Napier University.
- 1998** P. Read, T.F. Fernandes, J. Green and J. Kinross. (1998). "A field course at UMBS Millport in water related health microbiology". In: Proceedings of the Marine Biology Teaching Forum (J

Davenport ed.), chapter 6.4, University Marine Biological Station, Millport.

T.F. Fernandes (1998) "Review: PRIMER version 4.0 beta". *Life Sciences Educational Computing*, 9, 1-4.

1999

K.L. Miller, T.F. Fernandes and P. Read. (1999) The recovery of populations of dogwhelks suffering from imposex in the Firth of Forth 1987-1998. *Environmental Pollution*, **106**:183-192.

T.F. Fernandes, M. Huxham and S. Piper. (1999) Predator caging experiments: a test of the importance of scale. *Journal of Experimental Marine Biology and Ecology*, **241**: 137-154.

M. Elliott, T.F. Fernandes and V. de Jonge. (1999) The Impact of Recent European Directives on Estuarine and Coastal Science and Management. *Aquatic Ecology*, **33**: 311-321.

M. Elliott, J. Pomfret and T.F. Fernandes (1999) "Transforming baseline data into accessible information for coastal managers". Workshop One Report. In: Bridges, L. (ed.) Info-Coast '99- Symposium Report. CoastLink, Coastal & Marine Observatory at Dover, UK and EUCC-UK, Brampton, UK.

H. Lindsay, M. Huxham and T.F. Fernandes (1999) "A Study into the Effects of Assembly Sequence on Community Structure in a Marine System". Report to the British Ecological Society and Scottish Association for Marine Science. Published in the British Ecological Society Bulletin.

P. Read and T.F. Fernandes (1999) "Raasay Ferry Terminal Environmental Assessment (Marine Environment)". Draft Report.

2000

S. Bolam, T.F. Fernandes, P. Read and D.G. Raffaelli. (2000) The effects of macroalgae mats on intertidal sandflats: an experimental study. *Journal of Experimental Marine Biology and Ecology*, **249(1)**: 123-137.

S. Bolam, T.F. Fernandes and G. Bird (2000) The effects of an industrial discharge in an intertidal area. *Coastal Zone Topics*, **4**: 125-135.

T.F. Fernandes, K.L. Miller and P. A. Read. (2000) The Monitoring and Regulation of Marine Aquaculture in Europe. *Journal of Applied Ichthyology*, **16 (4-5)**: 138-143.

H. Rosenthal, D. Schnack, V. Hilge, P.A. Read, T.F. Fernandes, K.L. Miller, I.M. Davies and G.K. Rodger (Eds.) (2000). MARAQUA The Monitoring and Regulation of Marine Aquaculture in Europe. Proceedings of the 1st workshop held at the University of the Algarve, Faro, Portugal, 6-8 September 1999. *Journal of Applied Ichthyology*. **16 (4-5)**: 137-230.

M. Elliott, J-P Ducrottoy and T.F. Fernandes (2000). "Estuarine and Coastal Science and Management: Field Exercises & Multidisciplinary Case-Studies". In: Proceedings of the Marine Biology Teaching and Learning Workshop, May 2000. University Marine Biological Station, Millport.

2001

T.F. Fernandes and P. Read (2001) Aquaculture and the Management of Coastal Zones. In: P.A. Read; T.F. Fernandes; K.L. Miller; A. Eleftheriou; M. Eleftheriou; I. M. Davies; G. K. Rodger (eds.), The Implications of Directives, Conventions and Codes of Practice on the Monitoring and Regulation of Marine Aquaculture in Europe. Proceedings of the second MARAQUA workshop held at the Institute of Marine Biology, Crete, 20-22 March 2000. Aberdeen, UK: Scottish Executive, ISBN: 0 9532 838 5 2. 114pp.

S. Read, M. Elliott and T.F. Fernandes. (2001) The possible implications of the Species & Habitats Directive and the Water Framework Directive on the management of marine aquaculture. In: P.A. Read; T.F. Fernandes; K.L. Miller; A. Eleftheriou; M. Eleftheriou; I. M. Davies; G. K. Rodger (eds.), The Implications of Directives, Conventions and Codes of Practice on the Monitoring and Regulation of Marine Aquaculture in Europe. Proceedings of the second MARAQUA workshop held at the Institute of Marine Biology, Crete, 20-22 March 2000. Aberdeen, UK: Scottish Executive, ISBN: 0 9532 838 5 2. 114pp.

P.A. Read, T.F. Fernandes, K.L. Miller, A. Eleftheriou, M. Eleftheriou, I. M. Davies and G. K. Rodger (eds.) (2001) The Implication of Directives, Conventions and Codes of Practice on the Monitoring and Regulation of Marine Aquaculture in Europe. Proceedings of the second MARAQUA workshop held at the Institute of Marine Biology, Crete, 20-22 March 2000. Aberdeen, UK: Scottish Executive, ISBN: 0 9532 838 5 2. 114pp.

J. Chamberlain, T.F. Fernandes, P. Read, T. Nickell and I.M. Davies. (2001) Impacts of biodeposits from suspended mussel (*Mytilus edulis* L.) culture on the surrounding surficial sediments. *ICES Journal of Marine Science*. **58 (2)**: 411-416.

F. Usman, T.F. Fernandes, J. Fernie, P. Read and J. Hundal. (2001) The Management of Oil and Chemical Pollution: Proactive Approaches in UK and Canada. *Journal of the Chartered Institution of Water and Environmental Management*, **15(1)**: 51-55.

P. A. Read, T.F. Fernandes and K. L. Miller (2001) The derivation of scientific guidelines for best environmental practice for the monitoring and regulation of marine aquaculture in Europe. *Journal of Applied Ichthyology*. **17 (4)**: 146-152.

T.F. Fernandes, A. Eleftheriou, H. Ackefors, M. Eleftheriou, A. Ervik, A. Sanchez-Mata, T. Scanlon, P. White, S. Cochrane, T. H. Pearson and P. A. Read (2001) The scientific principles underlying the monitoring of the environmental impacts of aquaculture. *Journal of Applied Ichthyology*. **17 (4)**: 181-193.

P. A. Read, T.F. Fernandes and K. L. Miller (Eds.) (2001). MARAQUA The Derivation of Scientific Guidelines for best Environmental Practice for the Monitoring and Regulation of Marine Aquaculture in Europe. Proceedings of the 3rd workshop held at Napier University, Edinburgh, Scotland, 28-31 August 2000. *Journal of Applied Ichthyology*. **17 (4)**: 145-206.

T.F. Fernandes, K.L. Miller and P.A. Read (2001) The monitoring and regulation of marine aquaculture in Europe. In A. Uriarte

and B. Basurco (Eds.) Environmental Impact Assessment of Mediterranean Aquaculture Farms. Proceedings of the Seminar of the CIHEAM Network on Technology of Aquaculture in the Mediterranean (TECAM), jointly organised by CIHEAM and FAO, Zaragoza (Spain), 17-21 January 2000.

T.F. Fernandes, A. Eleftheriou, H. Ackefors, M. Eleftheriou, A. Ervik, A. Sanchez-Mata, T. Scanlon, P. White, S. Cochrane, T.H. Pearson, K.L. Miller and P.A. Read (eds.) (2001) The Management of the Environmental Impacts of Marine Aquaculture. Aberdeen, UK: Scottish Executive, ISBN: 0 9532838 8 7.

T.F. Fernandes, M. Elliott, M.J. Costa and H. Cabral (2001). "The management of the Tagus Estuary: lessons from the UK". Report for the British Council.

2002

S.G. Bolam and T.F. Fernandes. The effects of macroalgal cover on the spatial distribution of macrobenthic invertebrates: The effect of macroalgal morphology. *Hydrobiologia*. **475/76**: 437-448.

S.G. Bolam and T.F. Fernandes. (2002) Dense aggregations of tube-building polychaetes on intertidal sandflats : response to small-scale disturbances. *Journal of Experimental Marine Biology and Ecology*. **269 (2)**: 197-222.

S.G. Bolam, T.F. Fernandes and M. Huxham. (2002) Diversity, biomass and ecosystem processes in the marine benthos. *Ecological Monographs*, **72(4)**: 599-615.

N. Christofi., E. Aspichueta, D. Dalzell, A. de la Sota, J. Etxebarria, T.F. Fernandes, M. Gutierrez, J. Morton, U. Obst and P. Schmellenkamp (2002). Congruence in the performance of model nitrifying activated sludge plants located in Germany, Scotland and Spain. *Water Research*, **37**: 177-187.

M.J Costa, T.F. Fernandes, M. Elliott and H. Cabral (2002) "Recent Developments in Estuarine and Coastal Science and Management". Workshop Report for the British Council.

T.F. Fernandes (2002) Book Review: Environmental Impacts of Aquaculture (Sheffield Biological Sciences, Volume 5), by Black, K.D., 2001, Sheffield Academic Press, Sheffield, UK. Aquatic Conservation: *Marine and Freshwater Ecosystems*.

2003

S.G. Bolam and T.F. Fernandes. (2003) Dense aggregations of *Pygospio elegans* (Claparède): Ecological significance and a possible mechanism for their demise. *Journal of Sea Research*, **49(3)**, 171-185.

D.A. Campbell, M.S. Kelly, M. Busman, E. Wiggins and T.F. Fernandes (2003). Impact of preparation method on gonad domoic acid levels in the scallop, *Pecten maximus* (L.). *Harmful Algae*, **2**, 215-222.

P. Read and T.F. Fernandes. (2003) Management of environmental impacts of marine aquaculture in Europe. *Aquaculture*. **226**, 139-163.

P. Tett, L. Gilpin, H. Svendsen, C.P. Erlandsson, U. Larsson, S. Kratze, E. Fouilland, C. Janze, J.-Y. Lee, C. Grenz, A. Newton, J.G. Ferreira, T.F. Fernandes and S. Scory. (2003) Eutrophication in some European waters of restricted exchange. *Nearshore and Coastal Oceanography*, **23**, 1635-1671.

A.T. Ford, T.F. Fernandes, S.A. Rider, P.A. Read, C.D. Robinson and I.M. Davies (2003) Reproduction in the amphipod, *Echinogammarus marinus*: a comparison between normal and intersex specimens. *J. Mar. Biol. Ass. UK*. **83(5)**, 937-940.

A.T. Ford, T.F. Fernandes, S.A. Rider, P.A. Read, C.D. Robinson and I.M. Davies (2003) Measuring sub-lethal impacts of pollution on reproductive output of marine Crustacea. *Marine Ecology Progress Series*. **265**, 303-309.

A.M. Rodrigues, V. Quintino, F. Martins, C. Bernardes, T.F. Fernandes and M. Elliott (2003) "Managing Coastal Systems". Workshop Report for the British Council.

2004

A.T. Ford, T.F. Fernandes, P.A. Read, C.D. Robinson and I.M. Davies. (2004) The costs of intersexuality: A crustacean perspective. *Marine Biology*, **145**, 951-957.

A.T. Ford, T.F. Fernandes, S.A. Rider, P.A. Read, C.D. Robinson and I.M. Davies. (2004) Endocrine disruption in a marine amphipod? Field observations of intersexuality and demasculinisation. *Marine Environmental Research*. **58**, 169-173.

T.F. Fernandes, J. Augley, M. Huxham, J. Kinross and Paul Read. (2004) The management of sprat populations in Firth of Forth. Report for Fife Council.

2005

Fernandes, T.F., C. Hollywood, J. Kinross and M. Huxham. (2005) The management of sprat populations in Firth of Forth – considerations of spatial overlap with herring populations. Report for Fife Council.

Ford, A.T., Fernandes T.F. (2005) Notes on the occurrence of intersex in amphipods. *Hydrobiologia*, **548(1)**, 313-318.

Ford, A.T., Fernandes, T.F.. (2005). Better the devil you know? A precautionary approach to using Crustacea in endocrine

disrupter studies. *Environmental Toxicology and Chemistry*, **24(5)**, 1019-1021.

Ford, A.T., T.P. Rodgers-Gray, I.M. Davies, A. Dunn, P.A. Read, C.D. Robinson, J.E. Smith and T.F. Fernandes. (2005). Abnormal gonadal morphology in intersex *Echinogammarus marinus*: a possible cause of reduced fecundity? *Marine Biology*, **148**, 913-918.

Tran, C.L., K. Donaldson, V. Stone, T.F. Fernandes, A. Ford, N. Christofi, J.G. Ayres, M. Steiner, J.F. Hurley, R.J. Aitken and A. Seaton. (2005) A scoping study to identify hazard data needs for addressing the risks presented by nanoparticles and nanotubes. Institute of Occupational Medicine Research Report. DEFRA. Pp 137.

2006

Bryan, J., T.F. Fernandes, R.J. Ladle and P. Todd. (2006) Patterns of morphological and genetic variability in UK populations of the shore crab (*Carcinus maenas* L.). *J. Exp. Mar. Biol. Ecol.*, **329 (1)**, 47-54.

Fernandes, T.F., P. Rosenkranz, A. Ford, N. Christofi and V. Stone (2006) The Ecotoxicology of Nanoparticles. *SETAC Learned Discourses*. July 2006. Invited contribution.

Ford, A.T., T.F. Fernandes, C. D. Robinson, I. M. Davies and P.A. Read. (2006) Can pollution cause intersexuality in the amphipod *Echinogammarus marinus*? *Mar. Poll. Bull.* **53(1-4)**, 100-106.

Huntington, T.C., H. Roberts, N. Cousins, V. Pitta, N. Marchesi, A. Sanmamed, T. Hunter-Rowe, T. F. Fernandes, P. Tett, J. McCue and N. Brockie (2006). Some Aspects of the Environmental Impact of Aquaculture in Sensitive Areas. Report to the DG Fish and Maritime Affairs of the European Commission.

Laurent, C., P. Tett, T. F. Fernandes, L. Gilpin and K. Jones. (2006) A Simple Assimilative Capacity Model for Fjordic Environments. *Journal of Marine Systems*, **61**, 149-164.

Lindsay, H., C. Todd, T.F. Fernandes and M. Huxham. (2006) Recruitment in epifaunal communities: An experimental test of the effects of species composition and age. *Marine Ecology Progress Series*, **307**, 49-57.

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