

Curriculum Vitae

Personal information	BAMBER Shaw
Telephone	+ 47 51 87 55 33 Mobile: + 47 957 87 934
E-mail	sba@iris.no
Date of birth	6/8-1960
Nationality	British
Gender	Male
Occupational field	Performing and supporting research investigating the ecophysiology and behaviour of marine organisms and potential biological impacts arising from climate change and direct anthropogenic activities including oil and gas exploration and general marine pollution.
Work experience	
2003>	Senior Research Scientist, Biomiljø, International Research Institute of Stavanger (IRIS)
2010>	External examiner for the University of Stavanger, Norway
2003-2012	Honorary research fellow, University of Plymouth, UK
1994-2003	Post-doctoral scientist - Senior lecturer in Ecotoxicology. University of Plymouth Drake Circus Plymouth Devon PL4 8AA UK
Education and training	
2001	Postgraduate Certificate in Higher Education, University of Plymouth
1993	PhD. Marine Biology. School of Ocean Sciences, University of Wales, Bangor
1990	BSc (Hons). Animal Biology. University of Wales, Bangor. Class awarded: 2:i
1985	Higher National Certificate in electronic engineering. Plymouth College of Further Education
Personal skills and competences	
Mother tongue	English
Other language(s)	Verbally: Writing:

Publications

(Articles, Books, Book chapter, Conference paper, Reports etc.)

- Bechmann, R.K. - **Er det sant at medisin mot lakselus tar knekken på rekene?**
Lyng, E. Gradering: Åpen
Westerlund, S. Et offentlig møte med søkelys på miljøeffekter av oppdrettsnæringen. Arrangert av
Bamber, S. Færøyenes Vitenskapelige Selskap og Environment Agency. iNOVA, Tórshavn,
Ramanand, S. Færøyene, 09.06.2015
Berry, M. Publisert av: IRIS
Nilsen, M..
- Hannam, M.L. **Ilmenite-weighted water-based drilling muds: effects on cellular immune function**
Bechmann, R.K. **in the scallop, Pecten Maximus.**
Westerlund, S. Distribution restriction: Open
Bamber, S. Poster at the PRIMO 15 - 15th International Symposium on Pollutant Responses in
Galloway, S.D. Marine Organism. 17-20 May 2009, Bordeaux, France
Moody, T.S. Published by: PRIMO15
Jones, M.
- Bamber, S. **Bivalves as remote on-line indicators of seawater quality**
Distribution restriction: Open
SETAC Europe 19th annual conference, 31st May - 4th June 2009 Gothenburg
Published by: IRIS
- Provan, F. **Mass Spectrometric protein profiling of mucus and plasma from commercially**
Bjørnstad, A. **farmed Atlantic salmon-searching for biomarkers**
Pampanin, D.M. Distribution restriction: Open Order no: 2005/356 -
Lyng, E. Norske Havforskeres Forening 28. oktober 2005.
Andersen, O.K.
Koppe, V.
Bamber, S.
- Skadsheim, A. **BioSea - JIP - Developing a Biomonitoring Tool for the Offshore Petroleum**
Moltu, U.E. **Industry: The Transfer of Noth Sea knowledge to The Arctic Barents Sea**
Pinturier, L. Distribution restriction: Open
Buffagni, M. AMAP Int. Symposium on Oil and Gas Activities in the Arctic - St. Petersburg, 13-15th
Bracco, L. September, 2005
Kelley, A. Published by: RAO/CIS Offshore 2005 Sekretariatet
- Balk, Lennart
Barsiene, Janina
Bamber, S.
Bechmann, R.K.
Berland, H.
Jonsson, G.
Larsen, B.K.
Myhre, L.P.
Nævdal, A.
Sundt, R.
Taban, I.C.
Tandberg, A.H.
Torgriksen, S.
Øysæd, K.B.
Sanni, S.

Provan, F. **Mass spectrometric profiling - a diagnostic tool in fish?**
Bjørnstad, A. Distribution restriction: Open Order no: 2005/186 -
Pampanin, D.M. PRIMO 13, Alessandria, Italy, June 19-22nd 2005
Fontanillas, Ramon
Andersen, O.K.
Koppe, Wolfgang
Bamber, S.

Provan, F. **Health Status in fish by protein profiling**
Fontanillas, R. (Nutreco) Distribution restriction: Open Order no: 2005/185 -
Bjørnstad, A. Aqua-Nor, Trondheim, August 2005
Pampanin, D.M.
Lyng, E.
Koppe, W.
Andersen, O.K.
Bamber, S.

Larsen, B.K. **Effect of artificial sunlight on longterm toxicity of water soluble oil compounds
in arctic marine species**
Pampanin, D.M. Distribution restriction: Open Order no: 2005/177 -
Bamber, S. AMAP Int. Symposium on Oil and Gas Activities in the Arctic - St. Petersburg, Russia,
Gomiero, A. 13-15th September 2005
Lyng, E.
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Article

Bamber, S. **Behavioral responses of brown shrimp (Crangon crangon) to reduced seawater
pH following simulated leakages from sub-sea geological storage of CO2**
Westerlund, S. Distribution restriction: Open
Journal of Toxicology and Environmental Health, Part A, Volume 79, 2016 - Issue 13-
15, doi.org/10.1080/15287394.2016.1171979
Published by: Taylor & Francis

Beyer, J. **Environmental harm assessment of a wastewater discharge from Hammerfest
LNG: A study with biomarkers in mussels (Mytilus sp.) and Atlantic cod (Gadus
morhua)**
Aarab, N. Distribution restriction: Open
Tandberg, A.H.. Marine Pollution Bulletin 69, 2013, p28-37
Ingvarsdottir, A. Published by:
Bamber, S.
Børseth, J.F.
Camus, L.
Velvin, R.

Bamber, S. **Monitoring PAH contamination in the field (South west Iberian Peninsula)
Biomonitoring using fluorescence spectrophotometry and physiological
assessments in the shore crab Carcinus maenas (L.) (Crustacea: Decapoda)**
Dissanayake, A. Distribution restriction: Open
Marine Environment Research 2010 Jul;70(1):65-72. Epub 2010 Mar 11.
Published by: Elsevier Ltd

Bamber, S. **Effects of the model PAH phenanthrene on immune function and oxidative stress
in the haemolymph of the temperate scallop Pecten maximus**
Hannam, M.L. Distribution restriction: Open
Galloway, T.S. Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology
Moody, A.J. Volume 157, Supplement 1, September 2010, Page S52
Jones, M.B. Published by: Published by Elsevier Inc.

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pathogen-associated molecular pattern and PAH exposure.**
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- Dissanayake, A.
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- Monitoring PAH contamination in the field (South west Iberian Peninsula): Biomonitoring using fluorescence spectrophotometry and physiological assessments in the shore crab *Carcinus maenas* (L.) (Crustacea: Decapoda)**
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- Relating biomarkers to whole-organism effects using species sensitivity distributions: A pilot study for marine species exposed to oil**
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Environmental Toxicology and Chemistry 28, Issue 5, Pages 1104 - 1109 (2009)
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- Hannam, M.L.
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- Immune function in the Arctic scallop, *Chlamy islandica*, following dispersed oil exposure**
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- Hannam, M.L.
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Sundt, R.
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- Immune modulation in the blue mussel *Mytilus edulis* exposed to North Sea Produced Water**
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- Mass spectrometric profiling – a diagnostic tool in fish ?**
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DeValls, T.A.
- An integrated approach using bioaccumulation and biomarker measurements in female shore crab, *Carcinus maenas***
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- Martín-Díaz, M.L.
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- Toxicokinetics of heavy metals from a mining spill using *Carcinus Maenas***
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- Bamber, S.D., Depledge, M.H. **Responses of shore crabs to physiological challenges following exposure to selected environmental contaminants.** *Aquatic Toxicology*, **40**, 79-92. (1997)
- Bamber, S.D., Depledge, M.H. **Evaluation of changes in the adaptive physiology of shore crabs (*Carcinus maenas*) as an indicator of pollution in estuarine environments.** *Marine Biology*, **129**, 667-672. (1997)
- Bamber, S.D., Naylor, E. **Sites of release of putative sex pheromone and sexual behaviour in female *Carcinus maenas* (Crustacea: Decapoda).** *Estuarine, Coastal and Shelf Science*, **44**, 195-202. (1997)
- Bamber, S.D., Naylor, E. **Chemical communication and behavioural interaction between sexually mature male and female shore crabs (*Carcinus maenas* L.)** *Journal of the Marine Biological Association of the United Kingdom*, **76**, 691-699. (1996)
- Bamber, S.D., Naylor, E. **The mating behaviour of male *Carcinus maenas* in relation to a putative sex pheromone: behavioural changes in response to antennule restriction.** *Marine Biology*, **125**, 483-488. (1996)

Report

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- Bamber, S. **Responses of snow crabs and blue mussels following exposure to seismic discharges in the laboratory and field**
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- Baussant, T. **NDP State of the art study - Deep water remote sensing and monitoring**
 Bamber, S. ISBN: 978-82-490-0820-9 Distribution restriction: Open
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- Bamber, S. **Biota Guard Arctic Project Phase 3b - Exposure of bivalves to chemical dispersants, MEG and dispersed crude oil in the laboratory**
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- Bamber, S. **Biota Guard Arctic Project Phase 3a - Development of biosensor technology using new Arctic species**
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- Vingen, S. **BiotaGuard Mongstad** (2010)
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Fiskå, A.
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- Bamber, S. **Establishment of remote environmental monitoring facilities at Ny Ålesund and validation with ecological experiments - third annual report** (2009)
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- Bamber, S. **Establishment of remote environmental monitoring facilities at Ny Ålesund and validation with ecological experiments - Annual report for two years** (2009)
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- Bamber, S. **Evaluation of biological measurement techniques used on the Biota Guard monitoring platform during an offshore field deployment** (2008)
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- Bamber, S. **Inshore field evaluation of biological measurement techniques used on the Biota Guard monitoring platform (fjord test)** (2008)
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- Bamber, S. **Laboratory based development and evaluation of on-line biological sensors** (2008)
Distribution restriction: Confidential
Published by: IRIS
- Bamber, S. **BioSea II JIP Risk Assessment and Biomonitoring in the Arctic. Compilation of all reports on activities undertaken in phase 1** (2007)
Bechmann, R.K. Distribution restriction: Confidential
Skadsheim, A. Published by: IRIS
Pampanin, D.M.
Taban, I.C.
Fiskå, A.
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- Bamber, S. **Responses to questions raised by the Greek authorities with regard to the use of deltamethrin in sea bass culture operations** (2006)
Andersen, O.K. Distribution restriction: Confidential
- Bamber, S. **Advances in the development of biomarkers for use in the offshore petroleum industry. 2005 edition**
Beyer, J. Distribution restriction: Open
Published by: Akvamiljø as, Mekjarvik 12, 4070 Randaberg
- Bechmann, R.K. **BioSea JIP summary report of results from laboratory experiments**
Baussant, T. Distribution restriction: Open
Larsen, B.K. Published by: Akvamiljø as, Mekjarvik 12, 4070 Randaberg
Skadsheim, A.
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- Westerlund, S. **THC Leaching properties of cuttings deposits from the Thistle Field** (2005)
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- Beyer, J. **Biomarker Literature Survey: of advances in the development of biomarkers for use in the offshore petroleum industry** (2003)
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