

Curriculum Vitae

Name: ANNE HELENE SOLBERG TANDBERG
Date of birth: February 21, 1972
Nationality: Norwegian
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Languages: Norwegian (native), English (excellent), German (good), Spanish (some)

Areas of research:

- Crustacean taxonomy, morphologic and molecular systematics on amphipods.
- Marine biodiversity and faunistics of marine macro-fauna. Experience from Norway, Spitsbergen, Iceland, Faroe Islands and Greenland.
- Modelling of benthic secondary production and productivity.
- Environmental monitoring in- and off-shore.
- Multivariate analyses of biological communities.
- Biomarker analyses: early life-stages on bivalves and crustaceans, comet assay and lysosomal stability on invertebrates.
- E-lab development on biological monitoring.

Education:

2005 – 2011 PhD in zoological taxonomy: Institute of Biology and University Museum, University of Tromsø (UiT), University Centre in Svalbard (UNIS)

1997-2000 Cand. Scient. (M.Sc.) in zoological taxonomy: Institute for Biology and University museum, UiT

1996, 1997 Courses in arctic marine biology and arctic benthic ecology, UNIS

1992-1997 Cand. Mag. (B.Sc.) in biology, with English, German, physics and philosophy, UiT and UNIS

Professional Experience:

2016 University Museum of Bergen, Section for Natural History, Invertebrate lab. Researcher, Norwegian Species Initiative funded project on Norwegian Marine Amphipoda (2 years funding)

2015	University Museum of Bergen, Section for Natural History, Invertebrate lab. Senior Engineer
2014	UNIS, Exhibition "Polar Night". Research Associate/ Scientific Curator
2010-2014	Institute of Marine Research (IMR), Norway. MAREANO programme. Research Scientist
2013	Nordic Species Initiative Research School in Biosystematics (ForBio) – Marine Field Course Greenland. Teacher.
2005, 2006, 2007, 2009, 2011, 2013, 2015	UNIS, teacher on courses on Marine Biology and Arctic Benthic Ecology
2002-2013	IRIS biomiljø, Norway. Research scientist, Marine environment.
2002	UiT, Project leader for annual regional "Research Days", Tromsø, Norway
2002	Norwegian Institute of Fisheries and Aquaculture Research / IMR; Scientific personnel (benthic expertise), Cruise to estimate population of <i>Pandalus borealis</i> , NW Barents Sea
2002	University Museum Tromsø, Scientific assistant; Scanning Electron Microscope work on crustacea (Amphipoda)
2001-2002	Akvaplan-niva, Tromsø, Norway. Identification of crustacea from Norwegian in- and off-shore waters.

Teaching and mentoring:

2012-2013: supervisor for MSc thesis on the Amphipod fauna of Arctic hydrothermal vents (University of Bergen)

Dissemination

- 2016 “TangloppeTorsdag” (Amphipod Thursday) weekly popular science blog in Norwegian about Amphipoda. Fulfilling part of the proposed dissemination for the project “Norwegian Marine Amphipoda” (<http://evvertebrat.b.uib.no/> #TangloppeTorsdag)
- 2014-15 “Polar Night – life and light in the dead of night”, produced in collaboration with the Polarmuseum in Tromsø and UNIS. 72m² exhibition based on 29 posters and 6 videos. Special projects for children, information-folders for adults. Opened Jan 2015 in Tromsø, and continued to Svalbard in Dec 2015. Also shown in Anchorage, USA from May 2015 and (part) at Smithsonian, DC, USA in May 2015 and at Boston Natural History Museum in Sept 2015.
- 2013-14 “Metopa”, produced in collaboration with the Polarmuseum in Tromsø. 72m² exhibition based on 30 posters, 1 wall-covering canvas, 1 photo-series. Projects on biodiversity for kindergarden (5yrs) (practicals), schools (lectures and practicals) and general public (lectures) follows the exhibition. Shown in Tromsø, Stavanger, Balsfjord, Svalbard (Norway)
- 2010 - 14 Several public lectures and blog-entries on the Mareano project.
- 2006, 2007, 2008 Annual research fair of Norway - regional fairs in Stavanger and Longyearbyen. Lectures, stand-up marathon and stands with live animals

Editorial work:

- 2015-present Taxonomic editor in World Register of Marine Species - WoRMS (www.marinespecies.org) - sole editor for Amphilochidae, joint editor for Stenothoidae, Stegocephalidae, Bathyporeiidae, Haustoriidae and Stilipedidae
- 2015-present Subject editor for Fauna Norvegica
- 2011-present Editorial board of Amphipod Newsletter

Grants

- 2016-2018 Norwegian Species Project: Norwegian Marine Amphipoda
- 2012 Norwegian Species Project: International workshop on Cumacea
- 2009 Norwegian Deep Sea Funding: International workshop on Deep Sea Amphipoda
- 2007 SYNTHESYS (EU FP6): 3 week visit to Zoological Museum Copenhagen
- 2005-2010 Norwegian Science Foundation: ”Havet og Kysten” PhD grant

Board positions and other commissions:

- 2014 Representative for Norwegian Institute of Marine Research in Longyearbyen Science and Education Forum

2014	Scientific Committee on new management plan for West Spitsbergen, Norway
2013	Examination committee Master degree in biology, University of Bergen
2013	Examination committee Master degree in Biology, University of Nordland
2012, 2013	Evaluation committees for PhD- and post-doc positions in Biology, University of Bergen
2009	Darwin celebrations scientific committee, UiT
2005-2006	Deputy board member, University board of UiT
2004-2005	HSE-ombudsmann at RF-Akvamiljø, Mekjarvik, Vice-HSE-ombudsmann RF
1997	Student representative: University board of UiT
1997	Representative of Norwegian university students: Royal Ministry of Church affairs, Education and Research: work-group to increase the recruitment to and knowledge of mathematical, natural and technical sciences
1996	Full member: Administrative work group, Student board, UiT
1993 -1997	Leader: Women's group, Department of mathematical and natural sciences, UiT

Professional memberships:

2016 --	Deep –Sea Biology Society
2008 --	Association of Polar Early Career Scientists
2006 --	Society for Systematic Biology
2003 --	The Crustacean Society
2003 --	Association of Norwegian Oceanographers

Other:

2014	Arctic survival and safety course; UNIS
2014	Extended course on HSE for work at sea; IMR and UiB
2013	Course for Cruise leadership; IMR and UiB
2005	University safety training for fieldwork at sea and in arctic; UiT
2003, 2007	Basic Safety and Emergency Preparedness Training (offshore-work)
2002	Marine biological specialist-class; Norwegian Association of Scuba Divers
1997	Scuba diving certification; PADI AOW

Field-experience:

Teaching:

UNIS-courses along and around Svalbard 2005, 2006, 2007, 2009, 2011, 2013, 2015

Nordic Species Initiative, Marine field-course on West Greenland 2013

University of Bergen

ROV-supported cruise to map hydrothermal vents in the northern Norwegian Sea 2015. Cruise to deep trenches in Skagerak (SE Norway) to examine the biology of chemically reduced environments 2010.

Numerous day-cruises in the Bergen fjord-system to collect amphipod-material.

Institute of Marine Research:

MAREANO-cruises 2010-2014 covering areas off Finnmark, Troms, Nordland, Trøndelag and Møre coasts of Norway in addition to eastern sector of Norwegian Barents Sea. Cruise-leader since 2012 along the Møre coast and in the Barents Sea (3 cruises). MAREANO-cruises map and sample the seabed using video-rig, grab, corers, trawls and sledges. All sampled specimens are incorporated in the collections of the Universitymuseum of Bergen after processing through MAREANO.

IRIS:

Numerous shelf- and coastal cruises for collection of soft bottom benthos, sediment and water for monitoring purposes, targeted collection of live arctic invertebrates (*Chlamys islandica*, *Hyas araeus* and *Gammarus wilkitzkii*) and boreal invertebrates (*Chlamys islandica* and *Mytilus edulis*) for biomarker- and exotoxicological studies. Fjord- and littoral sampling of benthic invertebrates and water following the EU Water Framework Directive. Samplings of North-sea drill cuttings.

Other:

Coastal North Norway and Svalbard: collection of crustaceans for Tromsø University Museum and own PhD (1997-2009).

Svalbard: Mapping of benthos in Shrimp-trawls.

Bohuslän coast: benthic sampling with University of Gothenburg, Sven Lovén Research Station

North Chile: crustacea-collection from boat and shore, Universidad Católica del Norte, Coquimbo

List of Publications:

Peer-reviewed papers:

- Buhl-Mortensen, L., Tandberg, A.H., Buhl-Mortensen, P., Gates, A.R. (2016) *Behaviour and habitat of Neohela monstrosa (Boeck, 1861) in Norwegian Sea deep water. Journal of Natural History* 50 (5-6), 323-337
DOI:10.1080/00222933.2015.1062152
- Vader, W., Tandberg, A.H. (2015) *Amphipods as associates of other crustacea: a survey. Journal of Crustacean Biology* 35(4), 522-532
- Ringvold, H., Tandberg, A.H. (2014) *A new deepwater species of Calliopiidae: Halirages helgae (Crustacea, Amphipoda), with a synoptic table to Halirages species from the north-east Atlantic European Journal of Taxonomy* 98, 1-13
- Vader, W., Tandberg, A.H. (2013) *A survey of amphipods associated with mollusks. Crustaceana* 86(7-8), 1038-1049
- Beyer, J., Aarab, N., Tandberg, A.H., Ingvarsdottir, A., Bamber, S., Børseth, J.F., Camus, L. Velvin, R. (2013) *Environmental harm assessment of a wastewater discharge from Hammerfest LNG: A study with biomarkers in mussels (Mytilus sp) and Atlantic cod (Gadus morhua) Marine Pollution Bulletin* 69, 28-32:
<http://dx.doi.org/10.1016/j.marpolbul.2013.01.001>
- Tandberg, A.H., Rapp, H.T., Schander, C., Vader, W. (2013) *A new species of Exitomelita (Amphipoda; Melitidae) from a deep water woodfall in the northern Norwegian Sea Journal of Natural History* 47, 1875-1889 DOI:10.1080/00222933.2012.725778
- Arnberg, M., Calosi, P., Spicer, J.I., Tandberg, A.H., Nilsen, M., Westerlund, S. Bechmann, R.K. (2012) *Elevated temperature elicits greater effects than decreased pH on the development, feeding and metabolism of northern shrimp (Pandalus borealis) larvae. Marine Biology* 160(8), 2037-2048:
DOI:10.1007/s00227-012-2072-9
- Tandberg, A.H., Rapp, H.T., Schander, C., Vader, W., Sweetman, A.K., Berge, J. (2011) *Exitomelita sigynae gen. et sp. nov.: a new amphipod from the Arctic Loki Castle vent field with potential gill ectosymbionts Polar Biology* 35(5), 705-716
- Faksness, L-G., Hansen, B.H., Nordtug, T., Børseth, J.F., Tandberg, A.H., Ingvarsdottir, A., Aarab, N., Altin, D. (2011) *The effects of different oil spill cleanup technologies on body burden and biomarkers in Arctic marine organisms – a laboratory study Proceedings of the 34. AMOP technical seminar on environmental contamination and response 2011* 21-34.
- Tandberg, A.H. (2010) *A redescription of Metopa species (Amphipoda, Stenothoidae) based on the type material. 3. Natural History Museum, Oslo (NHM) Zootaxa* 2465, 1-94
- Tandberg, A.H., Schander, C., Pleijel, F. (2010) *First record of the association between the amphipod Metopa alderii and the bivalve Musculus Marine Biodiversity Records* 3 (e5)
- Tandberg, A.H., Vader, W., Berge, J. (2010) *Studies on the association of Metopa glacialis (Amphipoda, Crustacea) and Musculus discors (Mollusca, Mytilidae), with a survey of amphipod-mollusk associations Polar Biology* 33(10), 1407-1418

- Tandberg, A. H. (2009) *A redescription of Metopa species (Amphipoda, Stenothoidae) based on type material. 2. US National Museum of Natural History (USNMNH) Zootaxa 2309, 43-68*
- Baussant, T., Bechmann, R.K., Taban, I.C., Larsen, B.K., Tandberg, A.H., Bjørnstad, A., Torgrimsen, S., Nævdal, A., Øysæd, K.B., Jonsson, G., Sanni, S. (2009) *Enzymatic and cellular responses in relation to body burden of PAHs in bivalve molluscs: a case study with chronic levels of North Sea and Barents Sea dispersed oil Marine Pollution Bulletin 58, 1796-1807*
- Tandberg, A.H., Vader, W. (2009) *A redescription of Metopa species (Amphipoda, Stenothoidae) based on the type material. 1. Zoological Museum, Copenhagen (ZMUC) Zootaxa, 2093, 1-36*

Book chapters

- Holte, B., Buhl-Mortensen, L., Buhl-Mortensen, P., Tandberg, A.H., Hassel, A., Dolan, M., Dannheim, J., Kröger, K. (2015) *The bottom fauna from Lofoten to Finnmark (Chapter 6) The Norwegian Sea Floor. New Knowledge from Mareano for Ecosystem-Based Management* Editors: Buhl-Mortensen, L., Hodnesdal, H., Thorsnes, T.

Research reports (not peer-reviewed):

- Nilsen, M., Westerlund, S. Tandberg, A.H., Pedersen, A. 2012 *Resipientundersøkelser Stavangerhalvøya, 2011-2012. IRIS report 2012/204*
- Bamber, S.D., Tandberg, A.H., Lyng, E. 2009 *Establishment of remote environmental monitoring facilities at Ny Ålesund and validation with ecological experiments. IRIS report 2009/015*
- Tandberg, A.H., Westerlund, S. 2007 *Videre undersøkelser ved overvannsledning i Bangarvågen IRIS rapport 2007/138*
- Tandberg, A.H. 2007 *Sedimentundersøkelser i sigevannsledning ved Bangarvågen fyllplass IRIS rapport 2007/123*
- Tvedten, Ø.F., Bergheim, A. Tandberg, A.H.S. 2006 *Miljøundersøkelse ved FMC Biopolymer i Karmsundet 2005, Karmøy kommune IRIS rapport 2006/062*
- Tvedten, Ø.F., Tandberg, A.H.S. 2005 *Analyse av miljøgifter i sediment ved G.nr.38, br.nr.135, Hasseløy, Haugesund. Tiltakshaver Br. Lothe AS. RF rapport 2005/111*
- Tvedten, Ø.F., Tandberg, A.H.S. 2005 *Oppfølgende miljøundersøkelse ved Kollsnes prosessanlegg i 2004, sjøbunn. RF rapport 2005/113*
- Tvedten, Ø.F., Tandberg, A.H.S., Bratteborg, N. 2005 *Oppfølgende miljøundersøkelse ved Kollsnes prosessanlegg i 2004. Sammenendragsrapport. RF rapport 2005/112*
- Aarab, N., Tandberg, A.H.S., Børseth, J.-F. 2005 *Water column monitoring of Donges refinery effluent. Report AM 2005/003*
- Westerlund, S., Tandberg, A.H.S., Bamber, S. 2005 *THC Leaching properties of cuttings deposits from the Thistle Field. RF report 2005/003*

- Kjeilen-Eilertsen, G., Westerlund, S., Bamber, S., Tandberg, A.H., Myhre, L.P., Tvedten, Ø. 2004 *UKOOA phase III – characterisation of Beryl, Brent A, Brent S, Clyde and Miller cuttings piles through field work, laboratory studies and chemical analysis.* RF report 2004/197
- Westerlund, S., Tvedten, Ø.F., Tandberg, A.H.S. 2004 *Jotun damaged 6 inch pipe survey, Marine Growth* RF Report 2004/160
- Tandberg, A.H. 2004. *Analyse av miljøgifter i sediment ved Dale kai* RF rapport 2004/168
- Tandberg, A.H., Tvedten, Ø.F. 2003 *Miljøundersøkelse ved kloakk- og sigevannsutslipp i Veavågen, Karmøy kommune* RF rapport 2003/066