

Per Johan Brandvik
Senior Research Scientist, Marine Environmental Technology
SINTEF Materials and Chemistry
Brattørkaia 17C
Trondheim, Norway 7010

a. Professional Preparation

University of Trondheim, Norway	Organic chemistry	B.S., 1984
NTNU, Trondheim, Norway	Analytical Chemistry	M.S., 1986
NTNU, Trondheim, Norway	Oil weathering processes	Ph.D., 1997

b. Appointments

2012- Adjunct Professor, Organic Marine Pollutants (oil spills), NTNU
2005- Senior Research Scientist, SINTEF Marine Environmental Technology
2005-2010 Adjunct associated Professor, The University Centre at Svalbard (UNIS)
1999-2005 Associated Professor, The University Centre at Svalbard (UNIS)
1998-1999 Senior Research Scientist, SINTEF Applied Chemistry
1987-1990 Research fellow, Scholarship from the Research Council of Norway (NFR)
1986-1987 Research assistant, IKU Petroleum Research, Environmental Technology

c. Publications

Faksness L.G., Brandvik P.J., Daling P.S., Singsaas I. and Sørstrøm S.E. 2016: The value of offshore field experiments in oil spill technology development for Norwegian waters. *Marine Pollution Bulletin* Vol. 111 (1-2).

Daling, Per Snorre; Leirvik, Frode; Almås, Inger Kjersti; Brandvik, Per Johan; Hansen, Bjørn Henrik; Lewis, Alun; Reed, Mark. 2014: Surface weathering and dispersibility of MC252 crude oil. *Marine Pollution Bulletin*. vol. 87 (1-2).

Brandvik, P.J., Johansen, Ø., Leirvik, F., Farooq, U., and Daling, P.S. 2013. Droplet breakup in sub-surface oil releases – Part 1: Experimental study of droplet breakup and effectiveness of dispersant injection. *Mar. Pollut. Bull.* 2013 Volume 73, Issue 1, 15 2013, pp. 319-326.

Johansen, Ø., Brandvik, P.J., and Farooq, U. 2013. Droplet breakup in sub-surface oil releases – Part 2: Predictions of droplet size distributions with and without injection of chemical dispersants. *Mar. Pollut. Bull.* 2013 Volume 73, Issue 1, 15 2013, pp. 327-335.

Janne Fritt-Rasmussen, Birgit Elkjær Ascanius, Per Johan Brandvik, Arne Villumsen, Erling H. Stenby Composition of in situ burn residue as a function of weathering conditions *Original Marine Pollution Bulletin*, Volume 67, Issues 1–2, 15 2013, pp. 75-81.

Fritt-Rasmussen, J. and Brandvik, P.J., 2011: Measuring ignitability for in situ burning of oil spills weathered under Arctic conditions. From laboratory studies to large-scale field experiments. Marine Pollution Bulletin 62: 1780-1785.

d.Synergistic Activities

The Norwegian University of Science and Technology (NTNU). Adjunct professor (20%). Responsible for lecturing KJ3050 Organic marine pollution (oil spills) for MSc/PhD students (<http://www.ntnu.edu/studies/courses/KJ3050#tab=omEmnet>). This is a part of an international master program on Marine pollution (<https://www.ntnu.edu/studies/msenvitox>). All lectures & material are offered in english.

Review of several U.S. DEPARTMENT OF INTERIOR, BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT (BSEE) reports

PI of all SINTEF projects (5 major projects) of Subsea Dispersant Injection (SSDI) Effectiveness as a part of APIs JITF D3 on SSDI effectiveness (<http://www.oilspillprevention.org/oil-spill-research-and-development-cente>).

e.Collaborators & Other Affiliations

(i) Collaborators

Ahnell, A. (Exponent), Adams, Eric (MIT), Belore, R. (SL. Ross Canada), Brakstad, O.G. (SINTEF), Buist., I. (SL. Ross Canada), Daling, P. (SINTEF) Faksness, L.G. (SINTEF), Rasmussen JF. (DMU, Denmark), Socolofsky, S. (U Texas, Austin), Storey, Chris (SwRI, Texas)

(ii) Graduate and Postdoctoral Advisors. Prof. Jostein Krane, NTNU, Norway (Emeritus), Prof. Marit Trøtteberg, NTNU, Norway (Emeritus).

(iii) Thesis Advisor (PhD and MSc). Liv-Gur Faksness; SINTEF, Norway (PhD), Janne Fritt-Rasmussen, DMU, Denmark (PhD) and Panagiotis Makatounis (PhD), National Technical University of Athens, Greece + 27 MSc students (1999-2016)