

BIOGRAPHY

23/11/2012



Title and name

Dr Sabine Duquesne

Nationality

French

Panel

Plant Protection Products and their Residues (PPR)

Education

PhD, 1992, University of Sciences and Technology, Lille, France

Scientific and risk assessment experience

- Aquatic ecotoxicology (marine and freshwater)
 - Effect assessment of stressors on various levels of biological organization (suborganismal to populations/ communities)
 - Ecological risk assessment of pesticides at European and zonal/ national levels for product registration.
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Main scientific publications

Publications in the field of aquatic ecotoxicology and ecology:

Duquesne S, Kroeger I, Kutyniok M and Liess M, 2011. The potential of Cladocerans as Controphic Competitors of the Mosquito *Culex pipiens*. *J. Medical Entomology*, 48, 3, 554-560.

Meyer K, Schiffers K, Münkemüller T, Schädler M, Calabrese JM, Basset A, Breulmann M, Duquesne S, Hidding B, Huth A, Schöb C and van de Voorde C, 2010. Predicting population and community dynamics: the type of aggregation matters. *Basic and Applied Ecology*, 11, 7, 563-571.

Duquesne S and Kuester E, 2010. Biochemical, metabolic and behavioural responses and recovery of *Daphnia magna* after exposure to an organophosphate. *Ecotoxicology and Environmental Safety*, 73, 3, 353–359

Duquesne S, 2006. Effects of an organophosphate on *Daphnia magna*, at suborganismal and organismal levels: Implications for population dynamics. *Ecotoxicology and Environmental Safety*, 65, 2, 145- 150.

Reynaldi S, Duquesne S, Jung K and Liess M, 2006. Linking feeding activity and maturation of *Daphnia magna* following short-term exposure to fenvalerate. *Environmental Toxicology and Chemistry*, 25, 7, 1826- 1830.

Duquesne S, Bird DJ, Newton LC, Giusti L, Staerk HJ and Marriott SB, 2006. Evidence for declining levels of heavy-metal in the Severn Estuary and Bristol Channel, U.K. and their spatial distribution in sediments. *Environmental Pollution*, 143, 2, 187-196.

Duquesne S and Liess M, 2003. Increased sensitivity of the macroinvertebrate *Paramoreia walkeri* to heavy-metal contamination in the presence of solar UV radiation in Antarctic shoreline waters. *Marine Ecology Progress Series*, 255, 183-191.

Duquesne S and Riddle M, 2002. Biological monitoring of heavy-metal contamination in coastal waters off Casey Station, Windmill Islands, East Antarctica. *Polar Biology*, 25, 3, 206-215

Liess M, Champeau O, Schulz R, Riddle M and Duquesne S, 2001. Combined effects of ultraviolet-B radiation and food shortage on the sensitivity of the Antarctic amphipod *Paramoera walkeri* to copper. *Environmental Toxicology and Chemistry*, 20, 9, 2088-2092

Duquesne S, Flowers AE and Coll JC, 1995. Preliminary evidence for a metallothionein- like heavy metal- binding protein in the tropical marine bivalve *Tridacna crocea*. *Comp. Biochem. Physiol.*, 112C, 1, 69- 78.