

BIOGRAPHY

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Title and name

PD Dr. Matthias Lies

Nationality

German

Panel

Plant Protection Products and their Residues (PPR)

Education

Habilitation, Venia legendi: Animal Ecology, 1999, Technical University Braunschweig

Ph.D. in natural sciences, 1993, Technical University Braunschweig

Diploma in Biology, 1989, Technical University Braunschweig

Scientific and risk assessment experience

- Behaviour of ecological systems
 - Environmental risk assessment of chemicals
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Main scientific publications

My publications cover aspects of prospective and retrospective risk assessment of toxicants in aquatic ecosystems.

Knillmann S, Stampfli NC, Noskov YA, Beketov MA, Liess M, 2012. Interspecific competition delays recovery of *Daphnia* spp. populations from pesticide stress. *Ecotoxicology*, 21, 1039-1049.

Kattwinkel M, Kühne JV, Foit K, Liess M. 2011. Climate change, agricultural insecticide exposure, and risk for freshwater communities. *Ecological applications*. 21 (6), 2068–2081.

Liess M, Beketov MA. 2011. Traits and stress - keys to identify community effects of low levels of toxicants in test systems. *Ecotoxicology*. 20(6). 1328-1340.

Liess M, Foit K. 2010. Intraspecific competition delays recovery of population structure. *Aquatic Toxicology*. 97, 15-22.

Liess M, Schäfer R, Schriever C. 2008. The footprint of pesticide stress in communities - species traits reveal community effects of toxicants. *Science of the Total Environment*, 406, 484-490.

Schriever C, Liess M. 2007. Mapping ecological risk of agricultural pesticide runoff. *Science of the Total Environment*. 384, 264-279.

Liess M, von der Ohe PC 2005. Analyzing effects of pesticides on invertebrate communities in streams. *Environmental Toxicology and Chemistry*. 24, (4): 954-965.

Duquesne S, & 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.

Liess, M., 2002. Population response to toxicants is altered by intraspecific interaction. *Environmental Toxicology and Chemistry*. 21 (1), 138-142.

Liess, M. & R. Schulz, 1999. Linking insecticide contamination and population response in an agricultural stream. *Environmental Toxicology and Chemistry*, 18 (9): 1948-1955.
