europass Curriculum Vitae

PERSONAL INFORMATION

Gerd Maack

WORK EXPERIENCE

July 2007 – Present

Senior Scientific Assessor

Federal Environment Agengy, Germany (UBA), (Germany)

1. Environmental Risk Assessment of Human and Veterinary Medicinal Products.
2. Training Courses for Students, Consultants and Industry, regarding the ERA for Pharmaceuticals.
3. Advise government departments, including EU DG Environment and DG Sanco, regarding Environmental Impacts of Pharmaceuticals

April 2002 – June 2007

Post Doctoral Researcher

Universtiy of Exeter, (United Kingdom)

Research: Effects of Endocrine Active Substances on Fish
Development of testsystems for assessing effects of estrogenic waste water on fish.
Supervising BSc and Master students

EDUCATION AND TRAINING

February 1998 – March 2002

PhD-Thesis

Helmholz Institute for Environmental Research, Leipzig (UFZ), (Germany)

Estrogen related alterations of gonad development and of reproduction in the zebrafish, Danio rerio, Ham.Buc.
Conducting Fish Full Lifc Cycle test, Histological analysis of gonads

ADDITIONAL INFORMATION

Expertise

Environmental Risk Assessment of Pharmaceuticals
Histological Effects
Fish Long Term Tests
Effects of Hormones on Development and Reproduction of Vertebrates and Invertebrates

Publications

Frische, T., Bachmann, J., Frein, D., Juffernholz, T., Kehrer, A., Klein, A., Maack, G., Stock, F., Stolzenberg, H.C., Thierbach, C.and Walter-Rohde, S. (2013). Identification, assessment and management of "endocrine disruptors" in wildlife in the eu substance legislation-discussion paper from the german federal environment agency (UBA). Toxicology Letters. In press

Busch, W., Duis, K., Fenske, M., Maack, G., Legler, J., Padilla, S., Strahle, U., Witters, H.and Scholz, S. (2011). The zebrafish embryo model in toxicology and teratology, september 2-3, 2010, karlsruhe, Germany. Reprod Toxicol 31, 585-588.

Kuster, A., Bachmann, J., Brandt, U., Ebert, I., Hickmann, S., Klein-Goedicke, J., Maack, G., Schmitz, S., Thumm, E.and Rechenberg, B. (2009). Regulatory demands on data quality for the environmental risk assessment of pharmaceuticals. Regulatory toxicology and pharmacology : RTP 55, 276-280.

Thorpe, K.L., Maack, G., Benstead, R.and Tyler, C.R. (2009). Estrogenic wastewater treatment works effluents reduce egg production in fish. Environ Sci Technol 43, 2976-2982.

Thorpe, K.L., Benstead, R., Eccles, P., Maack, G., Williams, T.and Tyler, C.R. (2008). A practicable laboratory flow-through exposure system for assessing the health effects of effluents in fish. Aquat Toxicol 88, 164-172.

Filby, A.L., Thorpe, K.L., Maack, G.and Tyler, C.R. (2007). Gene expression profiles revealing the mechanisms of anti-androgen- and estrogen-induced feminization in fish. Aquat Toxicol 81, 219-231.

Fenske, M., Maack, G., Schafers, C.and Segner, H. (2005). An environmentally relevant concentration of estrogen induces arrest of male gonad development in zebrafish, danio rerio. Environ Toxicol Chem 24, 1088-1098.

Nash, J.P., Kime, D.E., van der Ven, L.T.M., Wester, P.W., Brion, F., Maack, G., Stahlschmidt-Allner,

P.and Tyler, C.R. (2004). Long-term exposure to environmental concentrations of the pharmaceutical ethynylestradiol causes reproductive failure in fish. Environmental Health Perspectives 112, 1725-1733.

Maack, G.and Segner, H. (2003). Morphological development of the gonads in zebrafish. Journal of Fish Biology 62, 895-906.

Segner, H., Caroll, K., Fenske, M., Janssen, C.R., Maack, G., Pascoe, D., Schafers, C., Vandenbergh, G.F., Watts, M.and Wenzel, A. (2003). Identification of endocrine-disrupting effects in aquatic vertebrates and invertebrates: Report from the european idea project. Ecotoxicol Environ Saf 54, 302-314.

Maack, G.and George, M.R. (1999). Contributions to the reproductive biology of encrasicholina punctifer fowler, 1938 (engraulidae) from west sumatra, indonesia. Fisheries Research 44, 113-120.

Projects

Memberships

Society of Environmental Toxicology and Chemistry (SETAC)
Fisheries Society of the British Isles (FSBI)

Other Relevant Information