

ERAPharm2007

Poster Programme

Analysis and Occurrence

Analysis of Antibacterial Agents in Environmental Samples of Agricultural Area of Jerez de la Front
E Perez Carrera, Cadiz University, Spain

Development of extraction procedures and analytical method to analyze fluoxetine in water/sediment systems
P López-Mancisidor, INIA, Spain

Multi-component and multi-class analysis of 23 antimicrobials, metabolites and degradation products
H Runnqvist, Copenhagen University, Denmark

Assessment of a hollow fibre extraction technique for the determination of ivermectin and abiotic degradation products
J Raich-Montiu, Spain

The possibility for multiresidue analysis of pharmaceuticals in digested sludges with pressurized liquid extraction, mixed mode solid phase extraction and ultra high pressure liquid chromatography with tandem mass spectrometry
Leon Barron, Dublin City University, Ireland

Occurrence of pharmaceuticals in aquatic systems of Loire-Brittany Basin (France)
A Togola, BRGM MMA/APO, France

Contamination by pharmaceutical in surface waters of the Henares river basin (Madrid).
JV Tarazona, INIA, Spain.

Discharges of serotonin reuptake inhibitor anti-depressants into surface waters
CD Metcalfe, Trent University, Canada

Pharmaceutical compounds in Dutch wastewater treatment plants
SAE Kools, Grontmij|AquaSense, The Netherlands

Fate and Behaviour

Dissipation of avermectins in sheep faeces studied under different environmental conditions
N Kožuh Eržen, University of Ljubljana, Slovenia

Inputs and fate of ivermectin and metabolites in the UK pasture environment
L Pope, University of York, UK

Fate of ivermectin in aquatic mesocosms
L Pope, University of York, UK

Determination of abiotic and microbial transformation products of Ivermectin
S Sporning, Copenhagen University, Denmark

Ivermectin runoff and drainage in soils on experimental trays under Mediterranean conditions
A Alvaro, INIA, Spain

Pharmacokinetic profile of Ivermectin in cattle after subcutaneous administration
A Alvaro, INIA, Spain

Dynamics of Ivermectin in soils under dung from Ivermectin-treated dairy cows
A Alvaro, INIA, Spain

Characterization of the pig manure derived organic carbon and its influence on the mobility of veterinary antibiotics
M Arenz, CRTE (Luxembourg) and Soil Science Department, University of Trier (Germany)

Aerobic biodegradability of the calcium channel antagonist verapamil and identification of the dead-end products
K Kümmerer, University of Freiburg, Germany

The Design and Evaluation of Water Sediment Studies for Assessing the Environmental Exposure and Behaviour
I Hardy, Battelle UK Ltd, UK

Field testing of a fish bioconcentration model proposed for risk assessment of human pharmaceutical residues in aquatic environments
J Larsson, Göteborg University, Sweden

Bioaccumulation of 3H-Ivermectin in *Lumbriculus variegatus* - preliminary results
T Knacker, ECT Oekotoxikologie GmbH, Germany

An Assessment of Overall Estrogen Exposure for the General Population and Several Subpopulations in the US
DJ Caldwell, Johnson & Johnson, USA

Comparative analysis of pharmaceuticals GHS toxicity classification
H Sanderson, NERI, Denmark

Effects on Aquatic and Terrestrial Systems

A comparison of seven different endpoints for toxicity scoring in ranking methodologies applied to pharmaceuticals
JU Mullot, Université Paris Sud, Faculté de Pharmacie de Chatenay Malabry, France

Assessment of veterinary medicines using the soil microcosms MS•3
A Alonso, INIA, Spain

Use of a multi-species test for assessing the effects of fluoxetine on aquatic invertebrates.
P Sánchez, INIA, Spain

Impact of Ivermectin on *Daphnia magna* and *Chironomus riparius* in a water-sediment system
N Moldan, ECT Oekotoxikologie GmbH, Germany

The Effects of [3H]-Doramectin Spiked into Sediment on the Larvae of the Midge *Chironomus riparius*
RC Greening, Pfizer Animal Health VMRD, USA

Effects of fluoxetine on the reproduction of two prosobranch molluscs, *Potamopyrgus antipodarum* and *Valvata piscinalis*
Gust, Cemagref, France

Response of plankton community to pulsed application of fluoxetine using indoor microcosms.
P López-Mancisidor, INIA, Spain

Identification of sensitive and robust estrogen-induced gene responses in fish using microarrays
J Larsson, Göteborg University, Sweden

Induction of hepatic carbonyl reductase/20 β -hydroxysteroid dehydrogenase B in rainbow trout exposed to sewage effluent

J Larsson, Göteborg University, Sweden

Focussing on protein targets at the core of mode-of-action ecotoxicology: ECETOC case studies
T Hutchinson, AstraZeneca, UK

Environmental Risk Assessment of Human and Veterinary Medicines

Higher tier aquatic environmental risk assessment of fluoxetine in central Spain
A Alonso, INIA, Spain

Higher tier environmental risk assessment of Ivermectin under Mediterranean conditions.
JV Tarazona, INIA, Spain

Sewage sludge applications in agricultural lands: A methodological approach for assessing the potential risks
JV Tarazona, INIA, Spain

Assessing the environmental risks of pharmaceutical transformation products
ABA Boxall, University of York/CSL, UK

Proposition of an environmental typology of pharmaceutical and personal care products
Coetsier, Ecole des mines d'Alès, LGEI, France

Are avermectins dangerous to aquatic organisms?
T Tišler, National Institute of Chemistry, Slovenia

Mesocosm risk assessment of ivermectin
H Sanderson, NERI, Denmark

A preliminary Environmental Impact Assessment of the human pharmaceutical atenolol - an ERAPharm case study
A Küster, Federal Environment Agency, Germany

The potential ecological impact of anthelmintics use in nature conservation areas
J Lahr, Alterra, The Netherlands

Assessing the environmental safety of pharmaceuticals - experiences of an environment agency
B Rechenberg, Federal Environment Agency, Germany

PharmaEcobase: a web-based database on environmental fate and effects of pharmaceuticals in support of risk assessment
M Babut, Cemagref, France