Pharmaceuticals In The Environment

DOWNLOAD HERE

1;Foreword;5 2;Preface to the Third Edition;9 3;Preface to the Second Edition;11 4;Preface to the First Edition;13 5;Contents;15 6;Contributors;26 7;Part I General Aspects;31 7.1;Pharmaceuticals in the Environment A Brief Summary;32 7.2;Special Characteristics of Pharmaceuticals Related to Environmental Fate;51 8;Part II Sources, Occurrence and Fate;63 8.1;Drug Production Facilities An Overlooked Discharge Source for Pharmaceuticals to the Environment;64 8.2;Substance Flows Associated with Medical Care Significance of Different Sources;70 8.3;Pharmaceutical Residues in Northern European Environments: Consequences and Perspectives;87 8.4; Antibiotics in the Environment;101 8.5; Veterinary Antibiotics in Dust: Sources, Environmental Concentrations, and Possible Health Hazards;120 8.6; Fate of Veterinary Medicines Applied to Soils;128 8.7; Pharmaceuticals as Environmental Contaminants: Modeling Distribution and Fate;145 8.8;Environmental Exposure Modeling: Application of P h ATE and GREAT- ER to Human Pharmaceuticals in the Environment;157 8.9; Exposure Assessment Methods for Veterinary and Human- Use Medicines in the Environment: PEC vs. MEC Comparisons;171 9;Part III Effects;196 9.1;Effects of Pharmaceuticals on Aquatic Organisms;197 9.2; Another Example of Effects of Pharmaceuticals on Aquatic Invertebrates: Fluoxetine and Ciprofloxacin;226 9.3;Effects of Antibiotics and Virustatics in the Environment;244 9.4;Realizing the Potential Benefits of Small Animal Models for the Aquatic Hazard Assessment of Human Pharmaceuticals: A Conceptual Approach;266 9.5;On the Ecotoxicology of Pharmaceutical Mixtures;277 9.6; Chronic Mixture Toxicity of Pharmaceuticals to Daphnia The Example of Nonsteroidal Anti-Inflammatory Drugs;297 9.7;The Ecotoxicological Effects of Pharmaceuticals (Antibiotics and Antiparasiticides) in the Terrestrial Environment a Review;305 9.8;Odorants Potent Substances at Minor Concentrations: The Ecological Role of Infochemicals;324 10;Part IV Risk Assessment;340 10.1; European Developments in the Environmental Risk Assessment of Pharmaceuticals; 341 10.2; The State and the Future Development/Perspective of Environmental Risk Assessment of Medicinal Products for Human Use: Aspects of Its Regulations in Japan;353 10.3; Deterministic and Probabilistic Environmental Risk Assessment for Diazepam;360 10.4;Comparison of Prospective and Retrospective

Environmental Risk Assessments of Human Pharmaceuticals;401 10.5;Methodological Aspects Concerning the Environmental Risk Assessment for Medicinal Products; Research Challenges;408 11;Part V Risk Management;424 11.1;Strategies for Reducing the Input of Pharmaceuticals into the Environment;425 11.2;COST ACTION 636 Xenobiotics in the Urban Water Cycle A Network for Collaboration within Europe;433 11.3;Removal of Pharmaceutical Residues from Contaminated Raw Water Sources by Membrane Filtration;441 11.4;Photooxidation as Advanced Oxidation Treatment of Hospital Effluents;468 11.5;Pharmaceuticals and Environment: Role of Community Pharmacies;480 11.6;Mitigation of the Pharmaceutical Outlet into the Environment Experiences from Sweden;487 11.7;Pharmaceutical Waste;500 12;Index;511 EAN/ISBN : 9783540746645 Publisher(s): Springer, Berlin Discussed keywords: Umweltchemikalien Format: ePub/PDF Author(s): Kmmerer, Klaus

DOWNLOAD HERE

Similar manuals:

Pharmaceuticals In The Environment