

- 95 JECFA, Ed. (1987). Principles for the safety assessment of food additives and contaminants in food
Environmetal Health Criteria 70.
IPCS International Programme on Chemical safety in cooperation with the joint of FAO/WHO Expert Committee on Food Additive (JECFA). JECFA.
United Nations Environment Programme.
WHO in collaboration with Food and Agriculture Organization of the United Nations.
- 96 Johnson, A., A. C. Belfroid, et al. (2000). "Estimating steroid oestrogen inputs into activated sludge treatment works and observations on their removal from the effluent." *Sci. Total Environ.* 256: 163-173.
- 97 Johnson, S. K., Ed. (1976). Twenty-Four Hour Toxicity Tests of Six Chemicals to Mysis Larvae of Penaaus setiferus, Texas A and M University Extension Disease Laboratory.
- 98 Jongbloed, R. H., C. A. Kan, et al. (2001). "Milieuriisico's van diergenesmiddelen en veevoer-additivien in Nederlands oppervlaktewateren." Aperdorn.
- 99 Jungermann, K. and H. Mohler (1980). Biochemie. Biochemie. Berlin, Springer-Verlag.
- 100 Kalbfus, W. (1995). "Effects in Bavarian watercoursed through synthetic oestrogens. Presentation at the 50th Seminar of for water Supply: Substances with endocrine effects in water."
- 101 Kalbfus, W., Ed. (1995). Effects in Bavarian watercourses through synthetic oestrogens.
Presentation at the 50th Seminar of the Bavarian Association for Water Supply: Substances with endocrine effecs in water (abstract).
- 102 Kolpin, D. W., E. T. Furlong, et al. (1999-2000). "Pharmaceuticals hormoned and other organic wastewater contaminants in U.S. streams, 1999-2000: Methods, Development and National Reconnaissance." *Environ. Sci. Technol.*
- 103 Kopf, W., Ed. (1995). Effets of endocrine substances in bioassays with aquatic organisms.
Presentation the 50th Seminar of the Bavarian Axxociation for Water Supply. Substances with endocrine effects in water (abstract).
- 104 Ku, T. H. (2000). "An overview of setting occupational exposure limites (OELs) for pharmachueticals." *Chem. Health Saf.* 7((1)): 34-37.
- 105 Kuch, H. M. and K. Ballschmitter (2000). "Determination of endogenous and exogenous estrogens in effluents from sewage treatment plants at the ng/l-level." *Fresenius' J. Anal. Chem.* 366: 392-395.
- 106 Kuch, H. M. and K. Ballschmitter (2001). "Determinimation of endocrin-disrupting phenolic complouds and estrogens in surface and drinking water by HRGC-(NCI)-MS in the picograms per liter range." *Environ. Sci. Technol.* 35((15)): 3201-3206.

- 107 Kuehan, W. and U. Mueller (2000). "Riverbank filtration--an overview." J.AWWA Dec. 2000: 60-69.
- 108 Kummerer, K. (2001). Pharmaceuticals in the Environment; Sources Fate, Effects and Risks. K. Kummerer. Berlin, Springer.
- 109 Kummerer, K. (2001). "Drugs in the environment:emission of drugs, diagnostic aids and disinfectants into wastewater by hospitals in relation to other sources--a review." Chemosphere 45: 957-969.
- 110 Kummerer, K. and E. Helmers (2000). "Hospitals as a source of gadolinium in the aquatic environment." Environ. Sci. Technol. 34: 573-577.
- 111 Kummerer, K., T. Steger-Hartmann, et al. (1997). "Biodegradability of the anti-tumor agent ifosfamide and its occurrence in hospital effluents and communal sewage." Water Res. 31: 2705-2710.
- 112 Lange, R., T. H. Hutchinson, et al. (2001). "Effects of the synthetic oestrogen 17a-Ethinylestradiol over the life-cycle of the fathead minnow (*Pimephales promelas*)."
Environ. Toxicol. Chem. 20(6): 1216-1227.
- 113 Lange, R., H. Schweinfurth, et al., Eds. (1997). Growth and reproduction of fathead minnow (*Pimephales promelas*) exposed to the synthetic steroid hormone Ethinylestradiol in a life cycle test (abstract). Amsterdam, Proceeding of 7th Annual Meeting of SETAC Europe.
- 114 Langhammer, J. P., Ed. (1989). Untersuchungen zum Verbleib antimikrobiell wirksamer Arzneistoffe als Rückstände in Gulle und im Landwirtschaftlichen Umfeld. Bonn, Rheinische Friedrich-Wilhelms-Universität.
- 115 Larsen, T. A. and W. Gujer (1997). "The concept of sustainable urban water management." Water Sci. Technol. 35(15).
- 116 Lee, M. G. (1988). The environmental risks associated with the use and disposal of pharmaceuticals in hospitals. M. L. Richardson and R. A. o. C. i. t. Environment. London, The Royal Society of Chemistry: 491-504.
- 117 Lilius, H., B. Isomaa, et al. (1994). "A comparison of the toxicity of 50 reference chemicals to freshly isolated rainbow trout hepatocytes and *Daphnia magna*." Aquat. Toxicol. 30: 47-60.
- 118 Lindsey, M. E., M. T. Meyer, et al. (2001). "Analysis of trace levels of sulfonamide and tetracycline antimicrobials in ground water and surface water using solid-phase extraction and liquid chromatography/mass spectrometry." Anal. Chem. 73: 4640-4646.
- 119 Loke, M. L., F. Ingerslev, et al. (2000). "Stability of tylosin A in manure containing test systems determined by high performance liquid chromatography." Chemosphere 40: 759-765.
- 120 Long, C. and M. Crane (2003). "Environmental risk assessment of veterinary pharmaceuticals in the EU: reply to Montforts and de Knecht." Toxicol Lett 142(3):

219-25.

- 121 Lunestad, B. T., O. B. Samuelsen, et al. (1995). "Photostability of eight antibactereial agents in seawater." *Aquaculture* 134: 217-225.
- 122 Mackay, D., A. DiGuardo, et al. (1996). "Evaluating the environmental fate of variety of types of chemicals using the EQC model." *Enviro. Toxocol. Chem.* 15: 1627-1637.
- 123 Mckellar, Q. A. (1997). "Ecotoxicology and residues of anthelminitic compounds." *Veterinary parasitology* 72: 413-435.
- 124 Merck (1989). *The Merck Index--an Encyclopaedia of Chemicals, Drugs and Biologicals*,
11th ed. S. Budavari. NJ, Merck and Co.,
- 125 Merck, Ed. (2000). *Sicherheitsdatenblatt Eusolex 2292*. Darmstadt, Merck.
- 126 Mohle, E., S. Harvath, et al. (1999). "Determination of hardly degradable organic compounds in sewage water--Identification of pharmaceutic residues." *Vom Wasser* 92: 207-223.
- 127 Montforts, M. H. H. M., Ed. (1999). Environmental risk assessment for veterinary medicinal products Part 1.
Other than GMO-containing and immunological products. RIVM report 601300 001, April 1999. Bilthoven, National Institute of Public Health and Environment.
- 128 Nagtegaal, M., T. A. Ternes, et al. (1997). "UV-filtersubstanzen in Wasser und Fischen." *Okotox* 9(2): 79-86.
- 129 Nissel, R. J., D. H. Wallace, et al. (1989). "Environmental fated of ivermectin in a cattle feed lot." *Chemosphere* 18: 1531-1541.
- 130 NOTOX, Ed. (2000). Bioconcentration: 14-day flow-through fish test in rainbow trout with MCS and [pheny ring U-14C] MC. 's-Hertogenbosch, Hoffman-La Roche Ltd, Basel.
- 131 Novartis, Ed. (1999). Safety data sheet: sulfachlopyridazine-Na. Basel, Novartis Animal Health.
- 132 OECD, Ed. (2000). Adsorption-desorption Using Batch Equibirium Method, Technica Guideline 106,. Paris, Organization of Economic Cooperation and Development.
- 133 Oleksy-Frenzel, J., S. Wischnack, et al. (2000). "Application of ion-chromatography for the determination of the organic-group parameters AOCl, AOBr and AOI in the water." *Fresenius'J. Anal. Chem.* 366: 89-94.
- 134 Ollers, S., H. P. Singer, et al. (2001). "Simultaneous quantification of neutral and acidic pharmaceuticals and pesticides at the low-ng/1 level in surface and waste water." *J. Chromatogr. A* 911: 225-234.
- 135 Otterpohl, R., A. Albold, et al. (1999). "Source control in urban sanitation and

waste management: ten systems with reuse of resources." Water Sci. Technol. 39: 153-160.

136 Panter, G. H., R. S. Thompson, et al. (1999). "Transformation of a non-oestrogenic steroid metabolite to an oestrogenically active substance by minimal bacterial activity." Chemosphere 38(15): 3579-3596.

137 Peterson, S. M., G. E. Batley, et al. (1993). "Tetracycline in antifouling paints." Mar. Pollut. Bull. 26(2): 96-100.

138 Poiger, T., H.-R. Bruse, et al., Eds. Verbrauch Vorkommen in oberflachengewässern und Verhalten in der Umwelt von Substzen die als UV- filter in Sonnenschutzmitteln eingesetzt werden. Wadenswil.

139 Products, C. f. V. M., Ed. (1996). Note for guidance: environmental risk assessment for veterinary medicinal products other than GMO-containing and immunological products EMEA/CVMP/055/96-Final. London, European Agency for Evaluation of Medicinal Products.

140 Purdom, C. E., P. A. Hardiman, et al. (1994). "Estrogenic effects of effluents from sewage tretment works." Chem. Ecol. 8: 275-285.

141 Putschew, A. and M. Jekel (2001). "Iodinated X-ray contrast media in the anthropogenic infulenced water cycle." Vom Wasser 97: 103-114.

142 Putschew, A., S. Schittko, et al. (2001). "Quantification of triiodinated benzene derivatives and X-ray contrast media in water samples by liquid chromatography-electrospray tandem mass spectrometry." J. Chromatogr. A 930: 127-134.

143 Putschew, A., S. Wischnack, et al. (2000). "Occurence of triiodinated X-ray contrast agents in the aquatic environment." Sci. Total Environ. 255: 129-134.

144 R., H. a., Ed. (1998). Chemical Safety Data Sheet Neo Helopen AV, 25.03. 1998. Hum. Ecol. Risk Assess. Holzminden, Haarman & Reimer.

145 R., K., M. Pattard, et al. (1989). "Results of harmful effects of selected water pollutants(anilines, phenols, aliphatic, compounds) to Daphnia magna." Wat. Res. 23((4)): 495-499.

146 Rabolle, M. and N. H. Spliid (2000). "Sorption and mobility of metronidazole, olaquindox, oxytetracycline and tylosin in soil." Chemosphere 40: 715-722.

147 Redderson, K., T. Heberer, et al. "Occurence and identification of phenazone drugs and their metabolites in ground- and drinking water." Chemosphere.

148 Reynolds, J. E. F. (1996). Martindale-The Extra Pharmacopoeia. Martindale-The Extra Phamacopoeia. R. J. E. F. Engelwood, The Royal Phamaceutical Society of Great Britain.

149 Richardson, M. L. and J. M. Bowron (1995). "The fate of pharmaceutical chemicals in the aquatic environment." J. Pharm. Pharmacol. 37: 1-12.

- 150 Richardson, M. L. and B. J. M. (1985). "The Fate of Pharmaceutical chemicals in the aquatic environment." *Pharm. Pharmacol.* 37: 1-12.
- 151 Sabaliunas, D., S. F. Webb, et al., Eds. (2001). Environmental concentrations, fate and safety of the organic UV filter Octyl Methoxyconnamate in surface waters. Madrid, 11th SETAC Europe Annual Congress.
- 152 Sacher, F., F. T. Lange, et al. (2001). "Pharmaceuticals in groundwaters. Analytical methods and results of a monitoring program in Baden-Wurttemberg, Germany." *J. Chromatogr. A* 938: 199-210.
- 153 Samuelsen, O. B., B. T. Lunestad, et al. (1994). "Stability of antibacterial agents in an artificial marine aquaculture sediment studied under laboratory conditions." *Aquaculture* 126: 283-290.
- 154 Scheffer, F. and P. Schachtschabel, Eds. (1989). *Lehrbuch der Bodenkunde*. Stuttgart, Enke.
- 155 Scheytt, T., P. Mersmann, et al., Eds. (2001). Natural attenuation of pharmaceuticals. Proceedings of the 2nd International Conference on Pharmaceuticals and Endocrine Disrupting Chemicals in Water. Minnesota.
- 156 Schlumpf, M., B. Cotton, et al. (2001). "In Vitro and in vivo estrogenicity of UV screens." *Environ. Health Perspect.* 109(3).
- 157 Schowanek, D. and S. Webb (2002). "Exposure simulation for phrmaceuticals in European surface waters with GREAT-ER." *Toxicol . Letters* 131: 39-50.
- 158 Schowanek, D. R., K. Fox, et al. (2001). "GREAT-ER: a new tool for management and risk assessment of chemicals in river basins. Contribution to GREAT-ER # 10." *Wat. Sci. Technol.* 43(2): 179-185.
- 159 Schulmann, L. J., E. V. Sargent, et al. (2002). "A human health risk assessment of Pharmaceuticals in the aquatic environmen." *Hum. Ecol. Risk Assess.* 8(4): 657-680.
- 160 Schulze, C., Ed. (2001). Modeling and evalution of the aquatic fate of detergents. Osnabrueck, Univ. of Osnabrueck.
- 161 Schweinfurth, H., R. Lange, et al., Eds. (1996). Environmental fate and ecological effects of steroid estrogens. Presentation at the Oestrogenic Chemicals in the Environment conference by IBC Technical Services Ltd. London, IBC Technical Services Ltd.
- 162 Sedlak, D. L. and K. E. Pinkston (2001). "Factors affecting the concentrations of pharmaceuticals released to the aquatic environment." *Water Res. Update*: 56-64.
- 163 Seiler, R. L., S. D. Zaugg, et al. (1999). "Caffeine and pharmaceuticals as indicators of waste water contamination in wells." *Ground Water* 37: 405-410.
- 164 Solomon, K. R., D. B. Baker, et al. (1996). "Ecological risk assessment of

- atrazine in North American surface waters." Envior. Toxicol. Chem. 15: 31-76.
- 165 Spaepen, K. R. L., L. J. J. Leemput, et al. (1997). "A uniform approach to estimate predicted environmental concentrations of the residues of veterinary in soils." Environmental Toxicology and Chemistry 16(9): 1977-1982.
- 166 SPARC, Ed. (2001). SPARC. Athens, The Univ. of Georgia.
- 167 Spengler, P., W. Korner, et al. (1999). "Hardly degradable substances with estrogenic activity in effluents of municipal and industrial sewage plants." Vom Wasser 93: 141-157.
- 168 SRC, Ed. (2000). EPISuite. New York, Syracuse Research Corporation on behalf of the US Environmental Protection Agency.
- 169 Stan, H. J. and T. Heberer (1997). Pharmaceuticals in the aquatic environment. Dossier Water Analysis. M. J. F. Suter. Analusis 25: M 20-M 23.
- 170 Stan, H. J., T. Heberer, et al. (1994). "Occurrence of clofibric acid in the aquatic system--Is their therapeutic use responsible for the loads found in surface, ground- and drinking water?" Vom Wasser 83: 57-68.
- 171 Stan, H. J. and M. Linkerhagner (1992). "Identification of 2-(4-chlorophenoxy)-2methyl-propionic acid in ground water using capillary-gas chromatography with atomic emission detection and mass spectrometry." Vom Wasser 79: 75-88.
- 172 Steger-Hartmann, T., K. Kummerer, et al. (1997). "Biological degradation of cyclophosphamide and its occurrence in sewage waer." Ecotox. Environ. Safety 36: 174-179.
- 173 Steger-Hartmann, T., K. Kummerer, et al. (1996). "Trace analysis of the antineoplastics ifosfamide and cyclophosphamide in sewage water by two-stem solid-phase extraction and gass chromatography-mass spectrometry." J. Chromatogr. A 726: 179-184.
- 174 Straub, J. O. (2002). "Conncentrations of the UV filter ethylhexyl methoxycinnamate in the aquatic compartment: a comparison of modelled concentrations for Swiss surface waters tieh empirical monitoring data." Toxicol Lett 131: 29-37.
- 175 Strong, L. (1993). "Overview: the impact of avermectins on pastureland ecology." Veterinary Parasitology 48: 3-17.
- 176 Stuer-Laridsen, F., M. Birkved, et al. (2000). "Environmental risk assessment of human pharmaceuticals in Denmark after normal therapeutic use." Chemosphere 40(7).
- 177 Stuer-Lauridsen, F., M. Birkved, et al. (2000). "Environmental risk assessment of human pharmaceuticals in Denmark after normal therapeutic use." Chemosphere 40: 583-593.
- 178 Stumpf, M., T. Ternes, et al. (1996). "Determination of natural and sysnthetic

estrogens in sewage plants and river water." *Vom Wasser* 87: 251-261.

179 Stumpf, M., T. Ternes, et al. (1998). "Isoltion of ibuprofen-metabolites and their importance as pollutants of the aquatic environment." *Vom Wasser* 91: 291-303.

180 Stumpf, M., T. Ternes, et al. (1999). "Polar drug residues in sewage and natural waters in the state of Rio de Janeiro, Brazil." *Sci. Total Environ.* 225: 135-141.

181 Stumpf, M., T. Ternes, et al. (1999). "Polar drug residues in sewage and natural waters in the state of Rio de Janeiro, Brazil." *Sci. Tot. Enviorn.* 225: 134-141.

182 Ternes, T. (1998a). "Occurence of drugs in German sewage treatment plants and rivers." *Water Res.* 32: 3245-3260.

183 Ternes, T. (2001a). Pharmaceuticals and metabolites as contaminants of the aquatic environment. *Pharmaceuticals and Personca Care Products in teh Environment--Scientific and Regulatory Issues.* C. G. Daughton and T. Jones-Lepp. Washington DC, American Chemical Society.

184 Ternes, T. (2001b). "Analytical methods for the determination of pharmaceuticals in aqueous environmental samples." *Trends Anal. Chem.* 20((8)): 419-434.

185 Ternes, T., M. Stumpf, et al. (1999a). "Behavior and occurence of estrogens in municipal sewage treatment plants-- Investigations in Germany, Canada and Brazil." *Sci. Total Environ.* 225: 81-90.

186 Ternes, T. A. (1998). "Occurence of drugs in German sewage treatment plants and rivers." *Wat. Res.* 32((11)): 3245-3260.

187 Ternes, T. A., Ed. (2000). Phamaceuticals: Occurrence in rivers, groundwater and drinking water
In: Preceedings of International Seminar on Pharmaceuticals in the Environment
March 9th 2000. Brussels, Tedhnological Institute(KVIV).

188 Ternes, T. A., Ed. (2001). Phamaceuticals and metabolites as contaminants of the aquatic environment. *Pharmaceuticals and Personal Care products in the Environment--Scientific and Regulatory Issues, ACS Symposium Series 791.* Washington D. C., American Chemical Society.

189 Ternes, T. A. (2001). Pharmaceuticals and metabolites as contaminants of the aquatic environment. *Pharmaceuticals and Personal Care Products in the Environment: Scientific and Regulatory Issues. Symposium Series 791.* C. G. Daughton and T. Jones-Lepp. Washington DC, American Chemical Society: 39-54.

190 Ternes, T. A. (2001b). "Analytical methods for the determination of pharmaceuticals in aqueous environmental samples." *Trends Anal. Chem.* 20(8):

419-434.

- 191 Ternes, T. A., M. Bonerz, et al. (2001). "Determination of neutral pharmaceuticals in wastewater and rivers by liquid chromatography-electrospray tandem mass spectrometry." *J. Chromatogr. A* 938: 175-185.
- 192 Ternes, T. A. and R. Hirsch (2000). "Occurrence and behavior of X-ray contrast media in sewage facilities and the aquatic environment." *Environ. Sci. Tehchnol.* 34: 2741-2748.
- 193 Ternes, T. A., M. Meisenheimer, et al. (2002). "Removal of pharmaceuticals during drinking water treatment." *Environ. Sci. Technol.* 36(17): 3855-3863.
- 194 Ternes, T. A., K. P., et al. (1999b). "Behavior and occurrence of estrogens in municipal sewage treatment plants--*f\$ f\$ Aerobic batch experiments with activated sludge.*" *Sci. Total Environ.* 225: 91-99.

- 195 Ternes, T. A., J. Stuber, et al. "Ozonation: A tool for removal of pharmaceuticals contrast media and musk fragrances from wastewater?" *Water Res.*
- 196 Ternes, T. A., M. Stumpf, et al. (1999). "Behavior and occurrence of estrogens in municipal sewage treatment plants -I. Investigations in Germany Canada and Brazil." *Sci. Tot. Environ.* 225: 81-90.
- 197 Ternes, T. A., M. Stumpf, et al. (1998b). "Simultaneous determination of antiseptics and acidic drugs in sewage and river water." *Vom Wasser* 90: 295-309.
- 198 Thurman, E. M. and M. E. Lindsey, Eds. (2000). *Transport of antibiotics in soil and their potential for groundwater contamination.* Brighton, SETAC World Congress.
- 199 Tolls, J. (2001). "Sorption of veterinary pharmaceuticals-a review." *Envrionmental Science and Technology* 35: 3397-3406.
- 200 Ungermach, F. R. (2000). "Figures on quantitites of antibacterials used for difrent purposes in the EU countries and interpretation." *Acta Vet. Scand. Suppl* 93.
- 201 USES, Ed. (1999). *Uniform system for the Evaluation of substances.* Bithoven, USES.
- 202 van Dijk, J. G. and H. J. Keukens (2000). The stability of some veterinary drugs and coccidiostats during composting and storage of laying hen and broiler faeces. *Residues of Veterinary Drugs in Food. Proceedings of the Euroresidue IV conference.* L. A. van Ginkel and A. Ruiter. Veldhove, The Netherlands.
- 203 Verstraeten, I. M., T. Heberer, et al. Occurrence, characteristics, and trasport and fate of pesticides, pharmaceutical active compounds, and industrial and personal care products at bank-filtration sites. *Bank Filtration for Water Supply.* C. Ray. Dordrecht, Kluwer Academic publishers.
- 204 VMD, Ed. (2001). Sales of antimicrobial products used as veterinary medicines and growth promoters in the UK in 1999, Veterinary Medicines directorate website.
- 205 Waggott, A. (1981). Trace organic substances in the River Lee. *Chemistry in Water Reuse.* W. J. Cooper, Ann Arbor Publishers: 55-99.
- 206 Wagner, J.-O., F. Koorman, et al., Eds. (1998). GREAT-ER analysis tools and connectivity-exposure at a regional scale., Proceeding of 8th Annual Meeting of SETAC Europe. Bordeaux.
- 207 Webb, S., T. Ternes, et al. (2003). "Indirect human exposure to pharmaceuticals via drinking water." *Toxicol Lett* 142(3): 157-67.
- 208 Webb, S. F. (2001). A data-based perspective on the environmental risk assessment of human pharmacuricals III--

- Indirect human exposure. Pharmaceuticals in the Environment. K. Kummerer. Berlin, Springer: 221-230.
- 209 Webb, S. F. (2001a). A data based perspective on the environmental risk assessment of human pharmaceuticals II--Collation of avilabel ecotoxicity data. Pharmaceuticals in the environment--Sources, Fate, Effects and Risks. K. Kummerer. Berlin and Heidelberg, Springer.
- 210 Webb, S. F. (2001b). A data based perspective on the environmental risk assessment of human pharmaceuticals II--Aquatic risk characterization. Pharmaceuticals in the Environment--Sources, Fate, Effects and Risks,. K. Kummerer. Berlin and Heidelberg, Springer.
- 211 Werres, F., J. Stien, et al. (2000). "Automatisierte Bestimmung Polarere Arzneimittelrückstände in Wassern mittels Festphasenmikroextraktion(SPME) und Derivatisierung." Vom Wasser 94: 135-147.
- 212 WHO, Ed. (1996). Guidelines for drinking-water quality (2nd edition) Health Criteria and other supporting information. Geneva, World Health Organization.
- 213 Williams, R. J., A. C. Johnson, et al., Eds. (2001). Fate and Behavior of steroid oestrogens in aquatic systems. Report to England and Wales Environment Agency/DEFRA (Technical Report P2-162/TR). Wallingford, Center for Ecology and Hydrology.
- 214 Williams, R. J., M. D. Jurgens, et al. (1999). "Initial predictions of the concentrations and distribution of 17 β Oestradiol, Oestrone and Ethinyl Oestradiol in 3 English rivers." Wat. Res. 33(7).
- 215 Wollenberger, L., S. B. Haling, et al. (2000). "Acute and chronic toxicity of veterinary antibiotics to Daphnia magna." Chemosphere 40: 723-730.
- 216 Xiao, X.-Y., D. V. McCalley, et al. (2001). "Anaylsis of estrogens in river water and effluents using solid-phase extraction adn gas chromatography-negative chemical ionisation mass spectrometry of the phentafluourobunzoyl derivatives." J. Chromatogr. A 923: 195-204.
- 217 Young, A. R., A. Gustard, et al., Eds. (1998). Hydrological models for use in regional and local exposure assessment methodologies. Bordeaux, Proceeding of eighth Annual SETAC Europe meeting.
- 218 Zuccato, E., R. Bagnati, et al. (1997). Environmental loads and detelction of pharmaceuticals in Italy. Paharmaceuticals in the Environment--Sources, Fate, Effect and Risks. K. Kummerer. Berlin, Springer-Verlag: 19-27.
- 219 Zuccato, E., D. Calamari, et al. (2000). "Presence of therapeutic drugs in the environment." Lancet 355: 1789-1790.
- 220 Zwiener, C. and F. H. Frimmel (2000). "Oxidative treatment of pharmaceuticals in water." Water Res. 34: 1881-1885.
- 221 Zwiener, C., T. Glauner, et al. (2000). "Biodegradation of pharmaceutical

residues investigated by SPE-GC/ITE-MS and on-line derivatization. HRC-J." High Res.Chromatogr. 23: 474-478.