

## List of publications:

### Journals :

- 1) K. Bester: Quantification with HPLC-MS/MS for environmental issues - quality assurance and quality assessment, *Anal. Bioanal. Chem.*, in press., 2008
- 2) K. Bester, J. Klasmeier, T. Kupper: Emissions of OTNE (Iso-E-super) I mass flows in sewage treatment plants, *Chemosphere*, in press, 2008
- 3) M. P. Schlüsener, K. Bester: Behavior of steroid hormones and conjugates during waste water treatment. A comparison of three sewage treatment plants, *CLEAN air soil water*, 36, 25-33, 2008
- 4) D. Kaping, H-D. Stock, K. Bester: Pharmaceuticals in waste water treatment - transformation products and possible effects in activated sludge treatment, *Fresenius Environmental Bulletin*, 16,1509-1516, 2007
- 5) Birgit Heinz, Steffen Birk, Andreas Kappler, Rudolf Liedl, Tobias Geyer, Kristina Straub, Kai Bester: Vulnerability of a karst spring to waste water infiltration (Gallusquelle, Southwest Germany), *Austrian Journal of Earth Science*, 99, 11-17, 2007
- 6) J.A. Andresen, D. Muir, D. Ueno, C. Darling, N. Theobald, K. Bester: Emerging pollutants in the North Sea and Lake Ontario, *Environmental Toxicology and Chemistry*, 26,6,1081-1089, 2007
- 7) Jens Andresen, Kai Bester: Elimination of organophosphate ester flame retardants and plasticizers in drinking water purification, *Water Research*, 40, 621-629, 2006
- 8) M. P. Schluesener, K. Bester: Degradation of antibiotics such as macrolides, tiamulin and salinomycin in soil, *Environmental Pollution*, 143,3, 565-571, 2006
- 9) M. P. Schluesener, M. von Arb, K. Bester: Degradation of antibiotics such as macrolides, tiamulin and salinomycin in liquid manure, *Arch. Environ. Contam. Toxicol.*, 51, 21-28, 2006
- 10) M. P. Schluesener, K. Bester: Determination of steroid hormones and hormone conjugates in waste water treatment inflow and effluent samples by HPLC-MS/MS with ESI and APCI, *Rapid Communication in Mass Spectrometry*, 19, 3269-3278, 2005
- 11) K. Bester: Tris (2-chloro-1-methylethyl) phosphate (TCPP) comparison of sludge and wastewater concentrations in German sewage plants – , *Journal Environmental Monitoring*, 7, 509-513, 2005
- 12) K. Bester: Fate of Triclosan and Triclosan-Methyl in sewage treatment plants and surface waters, *Arch. Environ. Contam. Toxicol.*, 49 (1), 9-18, 2005
- 13) S. Weigel, K. Bester, H. Hühnerfuss: Identification and quantification of polar pesticides, industrial chemicals, and organobromine compounds of medium to high polarity in the North Sea, *Mar. Pollut Bull.*, 50(3), 252-263, 2005
- 14) K. Bester: Polycyclic musks in the Ruhr catchment area - Transports, discharges of wastewater, and transformations of HHCB, AHTN, and HHCB-lactone, *Journal Environmental Monitoring*, 7, 43-51, 2005

- 15) J. Meyer, K. Bester: Organophosphate flame retardants and plasticisers in wastewater treatment plants, *Journal Environmental Monitoring*, 6, 599-605, 2004
- 16) J. A. Andresen, A. Grundmann, K. Bester: Organophosphorus flame retardants and plasticisers in surface waters, *Sci. Total Environ.*, 332, 1-3, 155-166, 2004
- 17) K. Bester: Retention characteristics and balance assessment for two polycyclic musk fragrances (HHCb and AHTN) in a typical German sewage treatment plant, *Chemosphere*, 57, 863-870, 2004
- 18) K. Bester: Triclosan in sewage plants -balances and monitoring data-, *Water Research*, 37, 3891-3896, 2003
- 19) Michael P. Schlüsener, Michael Spiteller, Kai Bester: Determination of antibiotics from soil by accelerated solvent extraction (ASE) and HPLC-MS/MS, *J. Chromatogr*, 1003/1-2, 21-28, 2003
- 20) K. Bester: Chirale Chromatographie in der Umweltforschung, *Nachrichten aus Chemie und Technik*, 5, 2003
- 21) M. Schluesener, K. Bester, and M. Spiteller: Determination of antibiotics such as macrolides, ionophores and tiamulin in liquid manure by HPLC-MS/MS, *Analytical and Bioanalytical Chemistry*, 375, 942-947, 2003
- 22) K. Bester: Chiral analysis for environmental applications, *Analytical and Bioanalytical Chemistry*, 376, 302-304, 2003
- 23) A. Monkiedje, M. Spiteller and K. Bester: Degradation behaviour and effects on microbial biomass of racemic mixture and enantiomeric forms of the fungicide metalaxyl in two soils, *Environmental Science and Technology*, 37, 707-712, 2003
- 24) K. Bester, H. Beernaert, A. Bernreuther, S. Harbeck, P. Konieczka, T. P.J. Linsinger, H. Schimmel, B. Sejerøe-Olsen, J. Pauwels, G. De Poorter: Intercomparison on Measurements of PCBs in Pork Fat during the Belgian PCB-crisis, *Analytical and Bioanalytical Chemistry*, 374, 305-313, 2002
- 25) T. Pfeifer, J. Tuerk, K. Bester and M. Spiteller: Determination of Selected Sulfonamide Antibiotics and Trimethoprim in Manure by Atmospheric Pressure Chemical Ionization Tandem Mass Spectrometry, *Rapid Communication in Mass Spectrometry*, 16, 663-669, 2002
- 26) N. Reineke, K. Bester, H. Hühnerfuss, S. Weigel, B. Jastorff: Bioassay-directed analysis of river Elbe (Germany) surface water including large volume extractions and high performance fractionation, *Chemosphere*, 47, 717-723, 2002
- 27) K. Bester, G. Bordin, A. Rodriguez, H. Schimmel, J. Pauwels, G. VanVyncht: How to overcome matrix effects in HPLC-ESI-MS/MS for the analysis of pesticides in fruit, *Fresenius J. Anal. Chem.*, 371, 550-555, 2001
- 28) K. Bester, N. Theobald and H.Fr. Schröder: Nonylphenols, Nonylphenol-ethoxylates, Linear Alkylbenzenesulfonates (LAS) and Bis (4-chlorophenyl)-sulfone in the German Bight of the North Sea, *Chemosphere*, 45, 817-826, 2001

- 29) K. Bester, P. de Vos, L. Le Guern, S. Harbeck, F. Hendrickx, G. N. Kramer, T. Linsinger, I. Mertens, H. Schimmel, B. Sejerøe-Olsen, J. Pauwels, G. De Poorter, G.G. Rimkus and M. Schlabach: Preparation and certification of a reference material on PCBs in pig fat and application in quality control in monitoring laboratories during the Belgian "PCB-crisis", *Chemosphere*, 44, 529-537, 2001
- 30) Stefan Weigel, Kai Bester, Heinrich Hühnerfuss: A new method for rapid solid-phase extraction of large volume water samples and its application in the screening of North Sea water for organic contaminants by GC/MS, *J. Chromatogr.*, A 912, 151-161, 2001
- 31) K. Bester: Effects of pesticides on seagrass beds, *Helgoland Marine Research*, 54, 95-98, 2000
- 32) K. Bester, W. Lange and N. Theobald: Results of non target screening of lipophilic organic pollutants in the German Bight V: Xanthen-9-on, *Water Research*, 34, 2277-2282, 2000
- 33) S. Biselli, K. Bester, H. Hühnerfuss, and K. Fent: Contamination of water and sediment by antifoulings Irgarol 1051 and organotins in marinas of the North and Baltic Sea, *Mar. Pollut. Bull.*, 40, 233-243, 2000
- 34) K. Bester: Pesticides and other xenobiotic compounds, *Quality Status Report of the North Sea, Subregion Waddensea*, 2000
- 35) K. Bester, T. Kastler and H. Hühnerfuss: Concentrations of herbicides in pristine German Wadden Sea sediments, *Senckenbergiana maritima*, 29 (suppl), 29-33, 1999
- 36) K. Bester, H. Hühnerfuss, W. Lange, G.G. Rimkus and N. Theobald: Results of non target screening of lipophilic organic pollutants in the German Bight II: Polycyclic Musk Fragrances, *Water Research*, 32, 1857-1863, 1998
- 37) K. Bester, S. Biselli, R. Gatermann, H. Hühnerfuss, W. Lange and N. Theobald: Results of non target screening of lipophilic organic pollutants in the German Bight III: 2,5-Dichloroaniline, *Chemosphere*, 36, 1973-83, 1998
- 38) S. Franke, S. Hildebrandt, W. Francke, K. Bester, H. Hühnerfuss and R. Gatermann: Chlorinated Bis(propyl)ethers and chlorinated Bis(ethyl)formals in the German Bight of the North Sea, *Mar. Pollut. Bull.*, 36, 546-551, 1998
- 39) K. Bester, R. Gatermann, H. Hühnerfuss, W. Lange and N. Theobald: Results of non target screening of lipophilic organic pollutants in the German Bight IV: Identification and Quantification of Chloronitrobenzenes and Dichloronitrobenzenes, *Environ. Pollut.*, 102, 163-169, 1998
- 40) K. Bester, S. Biselli, T. Ellerichmann, H. Hühnerfuss, K. Möller, G. Rimkus and M. Wolf: Chlorostyrenes in fish and sediment samples from the river Elbe, *Chemosphere*, 37, 9-12, 1998
- 41) K. Bester: Results of experiments for the identification of organic pollutants in the German Bight, *Dt. Hydrogr. Zt., Suppl.* 8, 51-64, 1998
- 42) H. Hühnerfuss, K. Bester, O. Landgraff, T. Pohlmann, and K. Selke: Annual balances of hexachlorocyclohexanes, polychlorinated biphenyls, and triazines in the German Bight, *Mar. Pollut. Bull.*, 34 (6), 419-426, 1997

- 43) B. Bethan, K. Bester, H. Hühnerfuss and G. Rimkus: Bromocyclen contamination of surface water, waste water, and fish from Northern Germany and gas chromatographic chiral separation, *Chemosphere*, 34, 2271-2280, 1997
- 44) K. Bester and H. Hühnerfuss: Improvements of a combined size exclusion chromatography and solid phase extraction approach for the clean up of marine sediment samples for trace analysis of pesticides, *Fresenius J. Anal. Chem.*, 358, 630-634, 1997
- 45) K. Bester, H. Hühnerfuss, W. Lange and N. Theobald: Results of non target screening of lipophilic organic pollutants in the German Bight I: Benzothiazoles, *Sci. Total Environ.*, 207 (2-3), 111-118, 1997
- 46) Robert Gatermann, Kai Bester and Heinrich Hühnerfuss: The distribution and potential sources of Nitroaromatic Compounds in the German Bight, North Sea, in J. Andersen, H. Karup, U.B. Nielsen (eds): *Scientific Symposium on the North Sea Quality Status Report*, Danish Environmental Protection Agency, Copenhagen, 317-318, 1996
- 47) K. Bester and H. Hühnerfuss: Triazine herbicide concentrations in the German Wadden Sea, *Chemosphere*, 32, 1919-1928, 1996
- 48) K. Bester: *Über Eintrag, Verbleib und Auswirkungen von stickstoff- und phosphorhaltigen Schadstoffen in der Nordsee*, Verlag Shaker, Aachen, 1996
- 49) R. Gatermann, K. Bester, S. Franke and H. Hühnerfuss: The distribution of O,O,O-Trimethylthiophosphate and O,O,S-Trimethyldithiophosphate in the North Sea, *Chemosphere*, 32, 1907-1918, 1996
- 50) K. Bester, T. Ellerichmann, H. Hühnerfuss, K. Möller, G. Rimkus and M. Wolf: On the presence of hepta- and hexachlorostyrenes in addition to octachlorostyrene in fish samples from the river Elbe; *Dioxin 1996*, *Organohalogen compounds* 28, 433-436, 1996
- 51) B. Bethan, K. Bester, H. Hühnerfuss and G. Rimkus: Contamination and gas chromatographic separation of bromocyclen in water and fish samples from the river Stör in the northern part of Germany and in some sewage plant's waste water; *Dioxin 96*, *Organohalogen compounds* 28, 437-440, 1996
- 52) Kai Bester, Heinrich Hühnerfuss and Bernd Neudorf: On the distribution and impact of triazine herbicides in the North Sea, in J. Andersen, H. Karup, U.B. Nielsen (eds): *Scientific Symposium on the North Sea Quality Status Report*, Danish Environmental Protection Agency, Copenhagen, 102-104, 1996
- 53) K. Bester, U. Brockmann, H. Hühnerfuss and H.J. Rick: Biological effects of triazine herbicides in marine ecosystems, in J. Andersen, H. Karup, U.B. Nielsen (eds): *Scientific Symposium on the North Sea Quality Status Report*, Danish Environmental Protection Agency, Copenhagen, 302-304, 1996
- 54) K. Bester, H. Hühnerfuss, U. Brockmann and H.J. Rick: Biological effects of triazine herbicide contamination on marine phytoplankton, *Arch. Contamin. Toxicol.*, 23, 277-283, 1995

- 55) K. Bester, H. Hühnerfuss, B. Neudorf and W. Thiemann: Atmospheric Deposition of Triazine Herbicides in Northern Germany and the German Bight (North Sea), *Chemosphere*, 30, 1639-1653, 1995
- 56) K. Bester and H. Hühnerfuss: Triazines in the Baltic and the North Sea, *Mar. Pollut. Bull.*, 26, 423-427, 1993; 26, 657-658, 1993
- 57) K. Bester and H. Hühnerfuss: On Potential Variability Problems of the Alkali Flame Ionization Detector (AFID) used in Gas Chromatography, *J. Chromatogr.*, 639, 363-365, 1993

### **Books/Book contributions**

- K. Bester: Personal care compounds in the environment, VCH-Wiley, Weinheim, 2007
- W. Vetter and K. Bester: Gas chromatographic enantioseparation of chiral pollutants - Techniques and results, Bush and Bush: Chiral Analysis, Elsevier, 2006
- K. Bester and H. Hühnerfuss: Transport and chemistry of pesticides in the atmosphere, in K.R. Spurny: Aerosol Chemical Processes in the Environment, CRC, Lewis Publishers, Boca Raton, 2000
- K. Bester: Diffuse Schadstoffquellen, in J. Lozan (Hg.): Warnsignale aus den Flüssen, Blackwell, Berlin, 110-113, 1996
- K. Bester and J.T. Faller: Persistente organische Schadstoffe im Wattenmeer, in: J. Lozan et al. Warnsignale aus dem Wattenmeer, Blackwell, 37-42, Berlin, 1994

## Posters :

- 1) K. Bester and D. Schäfer: Biofilters for the elimination of lipophilic and hydrophilic compounds, SETAC- Europe, Warsaw, 2008, accepted
- 2) K. Bester, X. Lamani, M. Burkhardt, S. Zuleeg: Determination of Biocides in Façade Materials and surface waters, SETAC-Europe, Warsaw, 2008, accepted
- 3) X. Chen, S. Rehfus, K. Bester: Personal Care compounds in advanced biological sludge treatment SETAC-Europe, Warsaw, 2008, accepted
- 4) M. Burkhardt, S. Zuleeg, M. Junghans, H. Simmler, R. Vonbank, S. Hean, P. Schmid, X. Lamani, K. Bester, M. Boller: Urban Source Release Concerning Pollutants to Runoff, SETAC, Europe, Warsaw, 2008, accepted
- 5) T. Schulze, K. Nödler, T. Anger, G. Streck, K. Bester, and W. Brack: Macroinvertebrates as passive samplers for lipophilic organic pollutants in contaminated rivers, SETAC, Europe, Warsaw, 2008, accepted
- 6) J. Boertz, K. Bester, A.V. Hirner.: Eliminierungsraten der cyclischen Siloxane Octamethylcyclotetrasiloxan (D4), Decamethylcyclopentasiloxan (D5) und Dodecamethylcyclohexasiloxan (D6) in Kläranlagen, Jahrestagung der Fachgruppe Umweltchemie Ökotoxikologie, Osnabrück, September, 2007
- 7) K. Bester, J. Klasmeier: Räumliche Analyse und Modellierung von Xenobiotika in Fließgewässern, Jahrestagung der Fachgruppe Umweltchemie Ökotoxikologie, Osnabrück, September, 2007
- 8) K. Bester, J.A. Andresen, M.P. Schlüsener: Elimination rates of diverse xenobiotics under changing water flows in different waste water treatment plants, micopollutants and ecohazards, Dechema/IWA, Frankfurt, June, 2007
- 9) M.P. Schlüsener, K. Bester: Analysis of steroid hormones, steroid hormone conjugates and antibiotics in waste water, micopollutants and ecohazards, Dechema/IWA, Frankfurt, June, 2007
- 10) K. Bester: Mechanismen zur Eliminierung von Organischen Schadstoffen in Kläranlage- Wie gut eignet sich das Oktanol-Wasser Verteilungsgleichgewicht für Vorhersagen ?, Jahrestagung der Wasserchemischen Gesellschaft, Passau, 14.5.2007
- 11) Birgit Heinz, Steffen Birk, Andreas Kappler, Rudolf Liedl, Tobias Geyer, Kristina Straub, Kai Bester: Vulnerability of a karst spring to waste water infiltration (Gallusquelle, Southwest Germany), European Geoscience General Assembly, Vienna April 2-7, 2006
- 12) Birgit Heinz, Steffen Birk, Andreas Kappler, Rudolf Liedl, Tobias Geyer, Kristina Straub, Kai Bester: Vulnerability of a karst spring to waste water infiltration (Gallusquelle, Southwest Germany), All About Karst & Water, Vienna, October 9<sup>th</sup> to 11<sup>th</sup> 2006
- 13) K. Bester: Elimination of personal care compounds under changing hydraulic conditions in waste water treatment, SETAC, 7.5.-11.5. 2006, Den Hague, Netherlands

- 14) M. Schlüsener, K. Bester: Elimination of hormones and antibiotics during wastewater treatment. Comparison of three different STPs, SETAC, 7.5.-11.5. 2006, Den Hague, Netherlands
- 15) J. A. Andresen, K. Bester: Elimination of phosphororganic flame retardants plasticisers with activated sludge and trickling filter wastewater treatment plants under changing hydraulic conditions, SETAC, 7.5.-11.5. 2006, Den Hague, Netherlands
- 16) K. Bester: Elimination efficiencies of diverse waste water treatment technologies for organic micropollutants, SETAC, 22.5.-25.5.2005, Lille, France
- 17) J. A. Andresen, M. Norden, K. Bester: Comparison of degradation rate constants of diverse emerging pollutants in batch experiments with activated sludge, SETAC, 22.5.-25.5.2005, Lille, France
- 18) J. Andresen, und K. Bester: Sources and elimination of phosphororganic plasticisers in the aquatic environment, SETAC, 22.5.-25.5.2005, Lille, France
- 19) M.P. Schlüsener, K. Bester: Analysis of steroid hormones, steroid hormone conjugates, and pharmaceuticals from waste water, SETAC, 22.5.-25.5.2005, Lille, France
- 20) J. Andresen, und K. Bester: Eliminierung von phosphororganischen Flammschutzmitteln in der Trinkwasseraufbereitung, Jahrestagung der Wasserchemischen Gesellschaft, Bad Mergenhagen, 2.5.-4.5.2005
- 21) K. Bester: Polycyclische Moschusverbindungen (AHTN, HHCB, HHCB-Lacton und OTNE) in Oberflächen-Wasser und Kläranlagen- Kann enantioselektive Analyse Hinweise auf Bioabbau geben?; Jahrestagung der Wasserchemischen Gesellschaft, Bad Sarow, 17.-19.5.2004
- 22) J.A. Meyer and K. Bester: Organophosphate flame retardants and plasticisers in wastewater treatment plants, SETAC-Europe, Prague, May 2004
- 23) M.P. Schluesener and K. Bester: Degradation of macrolides, salinomycin and tiamulin in soil, SETAC-Europe, Prague, May 2004
- 24) W. Föllmann, M. Spittler, G.H. Degen, G. Vollmer, K. Bester: Investigations of toxic effects of the flame retardants Tris-(-2-chloroethyl)-phosphate (TCEP) and Tris-(2-chloro-propyl)-phosphate (TCPP) in vitro, DGPT-Meeting, Mainz 2004
- 25) K. Bester, A. Grundmann, J. Meyer, M. Spittler: Organophosphate plasticiser in surface water, Jahrestagung der Wasserchemischen Gesellschaft, Stade, Mai 2003
- 26) Bester K., Spittler, M.: Polycyclic musk fragrances in sewage plants and surface waters - Chiral indications for biodegradation, SETAC-Europe, 27.4.-1.5. 2003
- 27) K. Bester, A. Grundmann, J. Meyer, M. Spittler, Organophosphate flame retardants in surface waters, SETAC-Europe, 27.4.-1.5. 2003
- 28) Sickerling J., Bester K., Spittler, M.: Environmental risk assessment in recycling of hazardous waste using endocrine disrupting marker compounds, SETAC-Europe, 27.4.-1.5. 2003
- 29) K. Bester, M. Spittler: Determination of the enantiomers of polycyclic musk fragrances and their metabolites from environmental samples, Euroanalysis 12, Dortmund, 8.-13. 9. 2002

- 30) Grundmann, A., Bester, K., Spiteller, M.: Precision and ruggedness of the quantification of Alkylphosphates in surface and sewage water, Euroanalysis 12, Dortmund, 8.-13. 9. 2002
- 31) Schlüsener M., Bester K., Spiteller M.: Determination of macrolides and tiamulin in complex matrices, Euroanalysis 12, Dortmund, 8.-13. 9. 2002
- 32) Sickerling J., Bester K., Spiteller M.: Method development for a fast screening of endocrine disrupting alkylphenols in industrial wastewater, Euroanalysis 12, Dortmund, 8.-13. 9. 2002
- 33) Schluesener M., Bester K., Pfeifer T., Spiteller, M.: Determination of polyether antibiotics and tiamulin from manure and soil samples, SETAC-Europe, Vienna, 12.5.-16.5.2002
- 34) K. Bester: Synthetic musk compounds in a German sewage plant, ACS, Orlando, 8.4.-13.4. 2002
- 35) Jochen Türk, Thomas Pfeifer, Kai Bester and Michael Spiteller: Quantification of sulphonamides and trimethoprim in manure by liquid chromatography combined with atmospheric pressure chemical ionisation tandem mass spectrometry, The Impact of (Bio-) Sensors and Bioanalytical Techniques in Environmental Analytical Chemistry 8. - 12. September 2001, Blarney, IRELAND
- 36) K. Bester, A. Bernreuther, S. Harbeck, T. Linsinger, J. Pauwels, H. Schimmel, B. Sejerøe-Olsen: Qualitätskontrolle mittels zertifizierter Referenz-Materialien bei der PCB-Analytik, Anakon, April 4-7<sup>th</sup>, Konstanz, Germany, 2001
- 37) Kai Bester: On the distribution of organic pollutants in the North Sea, SETAC-world conference, Brighton, England, 2000
- 38) K. Bester, G. Bordin, A. Rodriguez, H. Schimmel, J. Pauwels, G. VanVyncht: Analysis of Thiabendazole, Carbendazime and Phenylurea-Pesticides in fruit matrices utilising HPLC-MS/MS, 23<sup>rd</sup> symposium of capillary chromatography, Riva del Garda, 5.-10 June, 2000
- 39) K. Bester, H. Schimmel, J. Pauwels: Comparison of silcosteel, open tubular glass and sintered glass liners for normal and large volume PTV injections, 23<sup>rd</sup> symposium of capillary chromatography, Riva del Garda, 5.-10 June, 2000
- 40) H. Schimmel, B. Sejerøe-Olsen, P. Konieczka, S. Harbeck, I. Mertens, K. Bester, G. N. Kramer, J. Pauwels: The Certification of European Reference Materials for PCBs in Pork Fat in the Frame of the 'Belgian Dioxin Crisis', AOAC International, 114th Annual meeting and Exposition, Sept. 10-14, 2000, Philadelphia, USA
- 41) H. Schimmel, K. Bester, S. Harbeck, P. Konieczka, G.N. Kramer, L. Le Guern, T. Linsinger, I. Mertens, B. Sejerøe-Olsen, C. Van Holst, P. de Vos, J. Pauwels: The Production of Three CRM's for PCB's in Pork Fat Related to the 'Belgian Dioxin Crisis', BERM, 2000
- 42) Kai Bester: Identification and verification of marine pollutants, Euroconference on Environmental Analytical Chemistry, Chalkidiki, Greece, 9.-15. October, 1999
- 43) U. Krell, K. Bester and M. Schulz: Review of data situation and modeling of POPs and HMs in the North Sea region, EMEP Workshop Geneva Switzerland, 16-19 November 1999

- 44) K. Bester: Identification of pesticides and pesticide inputs to the North Sea, Ninth international IUPAC congress pesticide chemistry, 2.-9.8.1998
- 45) S. Weigel, K. Bester and H. Hühnerfuss: A method for the rapid solid phase extraction of organic pollutants from large volume water samples, 2nd Euroconference on Environmental Analytical Chemistry, 30.10.-5.11.1998, Cordoba, Spain
- 46) K. Bester, W. Giger, C. Schaffner and H.-Fr. Schröder: Tenside in marinen Ökosystemen, GDCH-Tagung Chemie und Umwelt, 27.-30.9.1998, Karlsruhe
- 47) K. Bester, T. Ellerichmann, H. Hühnerfuss, K. Möller, G. Rimkus and M. Wolf: On the presence of hepta- and hexachlorostyrenes in addition to octachlorostyrene in fish samples from the river Elbe; Dioxin 1996
- 48) B. Bethan, K. Bester, H. Hühnerfuss and G. Rimkus: Contamination and gas chromatographic separation of bromocyclen in water and fish samples from the river Stör in the northern part of Germany and in some sewage plant's waste water; Dioxin 1996
- 49) K. Bester and H. Hühnerfuss: Concentrations of herbicides in pristine German Wadden Sea sediments, Poster, International Wadden Sea Conference, 5.11.-8.11. 1996
- 50) K. Bester and H. Hühnerfuss: A new clean-up technique for pesticide-analysis in biota and sediments, poster at the Lund conference on handling of environmental and biological samples in chromatography, May 7th-10th, 1995
- 51) K. Bester, U. Brockmann, H. Hühnerfuss and H.J. Rick : Biological effects of triazine herbicides in marine ecosystems, North Sea Task Force Conference 21. 4. 1994, Ebeltoft, Denmark
- 52) Robert Gatermann, Kai Bester and Heinrich Hühnerfuss : The distribution and potential Sources of Nitroaromatic Compounds in the German Bight, North Sea, North Sea Task Force Conference 21. 4. 1994, Ebeltoft, Denmark

### Lectures on conferences:

- 1) Bester, Kai, Klasmeier, J , Kupper, T : The fragrance OTNE in the environment – Comparison with other personal care compounds in usage, surface water emission and biota exposure, SETAC, Europe, Warsaw, 2008, accepted
- 2) Chen Xijuan, Rehfus Stefan, Bester Kai: Organic compounds in reed bed sludge treatment, Jahrestagung der Fachgruppe Umweltchemie Ökotoxikologie, Osnabrück, September, 2007
- 3) K. Bester and J.A. Andresen: Flammschutzmittel in Wasserbehandlung und Oberflächengewässern, GdCh Fachgruppe Umweltchemie und Ökotoxikologie, Jahrestagung, 4. - 6.10. 2006, Halle
- 4) C. Schröter Kermani, K. Bester, H. Rüdell: Synthetische Duftstoffe in Fischproben aus der Umweltprobenbank, GdCh Fachgruppe Umweltchemie und Ökotoxikologie, Jahrestagung, 4. - 6.10. 2006, Halle
- 5) J. A. Andresen, D. Muir, D. Ueno, N. Theobald, C. Darling, K. Bester: Emerging and legacy pollutants in huge water bodies, SETAC, 7.5.-11.5. 2006, Den Hague, Netherlands,
- 6) M. Schlüsener and K. Bester: Elimination and transformation of selected antibiotics in soil, manure, and waste water, invited lecture on the Pittcon, Orlando, USA, 12.3.-16.3. 2006
- 7) K. Bester: Enantioselective degradation of Bromocyclene in sewage plants, DIOXIN 2004, Berlin, Sept.6-10. 2004, Organohalogen Compounds, 66, 2004, 411-418
- 8) K. Bester: Triclosan in sewage treatment plants and surface waters, SETAC-Europe, Prague April, 18-22th 2004
- 9) K. Bester: Synthetische Duftstoffe- der Weg über die Kläranlagen und die Flüsse zur Nordsee -, Jahrestagung der GDCH Fachgruppe Waschmittelchemie, Bonn, April 29<sup>th</sup>, 2004
- 10) K. Bester: Chirality as an indicator for biodegradation of the polycyclic musk fragrances AHTN and HHCB as well as the metabolite HHCB-lactone in sewage treatment plants and surface waters, Dioxin 2003 (23<sup>rd</sup> International Symposium on Halogenated Environmental Organic Pollutants and POPs), Boston, USA, August 24-29, 2003
- 11) Schlüsener M., Bester K., Spitteller, M.: Degradation of macrolides, salinomycin and tiamulin in liquid manure, SETAC-Europe, 27.4.-1.5. 2003
- 12) Spitteller, M., Schluesener M., Bester K.: Determination of Antibiotics in Manure, Soil and Sewage Sludge, 3rd International Conference on Pharmaceuticals and Endocrine Disrupting Chemicals in Water, Minneapolis, Mar 17-18, 2003
- 13) M. Spitteller, K. Bester, A. Monquidje: Enantioselective degradation of pesticides, SETAC-Europe, Vienna, 12.5.-16.5.2002
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