

Publications in peer-reviewed journals (ISI) and Books/Book chapters**2018**

68)

2017

- 67) Barth JAC, Mader M, Nenning F, van Geldern R, **Friese K** (2017): Stable isotope mass balances versus concentration differences of dissolved inorganic carbon - implications for tracing carbon turnover in reservoirs. *Iso. Environ. Health Stud.* 53: 413-426.
- 66) Gontijo EJS, Watanbe CH, Monteiro ASC, da Silva GA, Roeser HMP, Rosa AH, **Friese K** (2017): Effects of Fe(III) and quality of humic substances on As(V) distribution in freshwater: Use of ultrafiltration and Kohonen neural network. *Chemosphere* 188: 208-217.
- 65) Herzsprung P, Osterloh K, von Tümpling W, Harir M, Hertkorn N, Schmitt-Kopplin P, Meissner R, Bernsdorf S, **Friese K** (2017): Differences in DOM of rewetted and natural peatlands – Results from high-field FT-ICR-MS and bulk optical parameters. *Sci. Total Environ.* 586: 770-781.
- 64) Herzsprung P, von Tümpling W, Wendt-Potthoff K, Hertkorn N, Harir M, Schmitt-Kopplin P, **Friese K** (2017): High field FT-ICR mass spectrometry data sets enlighten qualitative DOM alteration in lake sediment porewater profiles. *Org. Geochem.* 108: 51-60.
- 63) Wollschläger U, Attinger S, Borchardt D, Brauns M, Cuntz M, Dietrich P, Fleckenstein JH, **Friese K**, Friesen J, Hildebrandt A, Jäckel G, Kamjunke N, Knöller K, Kögler S, Kolditz O, Krieg R, Kumar R, Lausch A, Liess M, Marx A, Merz R, Mueller C, Musolff A, Norf H, Rebmann C, Reinstorf F, Rode M, Rink K, Rinke K, Samaniego L, Vieweg M, Vogel H-J, Weitere M, Werban U, Zink M, Zacharias S (2017): The Bode Catchment as part of the TERENO Harz/Central German Lowland Observatory: A platform for integrated, interdisciplinary eco-hydrological research. *Env. Earth Sci.* 76:

2016

- 62) Dadi T, **Friese K**, Wendt-Potthoff K, Koschorreck M (2016): Benthic dissolved organic carbon fluxes in a drinking water reservoir. *Limnol. Oceanogr.* 61: 445-459.
- 61) Gontijo EJS, Watanbe CH, Monteiro ASC, Tonello PS, da Silva GA, **Friese K**, Roeser HMP, Rosa AH (2016): Distribution and bioavailability of arsenic in natural waters of a mining area studied by ultrafiltration and diffusive gradients in thin films. *Chemosphere* 164: 290-298.
- 60) Herzsprung P, Hertkorn N, von Tümpling W, Harir M, **Friese K**, Schmitt-Kopplin P (2016): Molecular formula assignment for dissolved organic matter (DOM) using high-field FT-ICR-MS: Chemical perspective and validation of sulphur rich organic components (CHOS) in pit lake samples. *Anal Bioanal Chem* 408: 2461-2469.
- 59) de Oliveira LK, Melo CA, Fraceto LF, **Friese K**, Rosa AH (2016): Interaction of Arsenic species with tropical river aquatic humic substances enriched with Aluminum and Iron. *Env. Sci. Poll. Res.* 23: 6205-6216.

2015

- 58) Herzsprung P, von Tümpling W, Hertkorn N, Harir M, **Friese K**, Schmitt-Kopplin P (2015): High-field FT-ICR-MS data evaluation of natural organic matter – are CHON₅S₂ molecular class formulas assigned to ¹³C isotopic m/z and in reality CHO components? *Anal. Chem.* 87: 9563–9566.
- 57) Rothe M, Kleeberg A, Grüneberg B, **Friese K**, Pérez-Mayo M, Hupfer M (2015): Sedimentary S:Fe Ratio Indicates Vivianite Occurrence: A Study from Two Contrasting Freshwater Systems. *PLOS one*

2014

- 56) **Friese K**, Schultze M, Boehrer B, Büttner O, Herzsprung P, Koschorreck M, Kuehn B, Rönicke H, Tittel J, Wendt-Potthoff K, Wollschläger U, Dietze M, Rinke K (2014): Ecological response of two hydro-morphological similar pre-dams to contrasting land-use in the Rappbode reservoir system (Germany). *Int. Rev. Hydrobiol.* 99: 335–349.
- 55) Gontijo ESJ, Oliveira FSD, Fernandes ML, da Silva GA, Roeser HMP, **Friese K** (2014). Application of a multivariate exploratory analysis technique in the study of dissolved organic matter and metal ions in waters from the eastern Quadrilátero Ferrífero, Brazil. *J. Braz. Chem. Soc.*, 25: 208-218.
- 54) Herzsprung P, Hertkorn N, von Tümpling W, Harir M, **Friese K**, Schmitt-Kopplin P (2014): Understanding molecular formula assignment of Fourier transform ion cyclotron resonance mass spectrometry data of natural organic matter from a chemical point of view. *Anal Bioanal Chem* 406: 7977-7987.
- 53) Samhan S, **Friese K**, Tümpling, W, Pöllmann H, Hoetzel H, Ghanem M (2014). Anthropogenic influence of trace metals in sediments of the Al-Qilt catchment, West Bank, Palestine: 1. Contamination Factor and bonding forms. *Environ. Earth Sci.* 70: 1533-1539.
- 52) Smuda J, Dold B, Spangenberg JE, **Friese K**, Kobek MR, Bustos CA, Pfeifer H-R (2014): Element cycling during the transition from alkaline to acidic environment in an active porphyry copper tailings impoundment, Chuquicamata, Chile. *Journal of Geochemical Exploration* 140: 23-40.

2013

- 51) Rinke K, Kuehn B, Bocaniov S, Wendt-Potthoff K, Büttner O, Tittel J, Schultze M, Herzsprung P, Rönicke H, Rink K, Rinke K, Dietze M, Matthes M, Paul L, **Friese K** (2013). Reservoirs as sentinels of catchments: the Rappbode Reservoir Observatory (Harz Mountains, Germany). *Environ. Earth Sci.* 69: 523–536.
- 50) Zachmann DW, van der Veen A, **Friese K** (2013). Floodplain lakes as an archive for the heavy metal pollution in the River Elbe (Germany) during the 20th century. *Appl. Geochem.* 35: 14-27.

2012

- 49) Herzsprung P, Tümpling W von, Hertkorn N, Harir M, Büttner O, Bravidor J, Friese K, Schmitt-Kopplin P (2012). Variations of DOM Quality in Inflows of a Drinking Water Reservoir: Linking of van Krevelen Diagrams with EEMF Spectra by Rank Correlation.- *Environ. Sci. Technol.* 46: 5511-5518.

2011

- 48) Koschorreck M, Boehrer B, **Friese K**, Geller W, Schultze M, Wendt-Potthoff K (2011). Oxygen depletion induced by adding whey to an enclosure in an acidic mine pit lake. *Ecological Engineering* 37: 1983-1989.

2010

- 47) **Friese K**, Schmidt G, de Lena JC, Nalini Jr. HA, Zachmann DW (2010). Anthropogenic influence on the degradation of an urban lake - the Pampulha reservoir in Belo Horizonte, Minas Gerais, Brazil. *Limnologica* 40: 114-125.
- 46) Herzsprung P, Hertkorn N, **Friese K**, Schmitt-Kopplin P (2010). Photochemical degradation of natural organic sulfur compounds (CHOS) from iron-rich mine pit lake pore waters – an initial understanding from evaluation of single-elemental formulae using ultra high resolution mass spectrometry. *Rapid Communications in Mass Spectrometry* 24: 2909-2924.

- 45) Herzsprung P, Schultze M, Hupfer M, v.Tümppling Jr. W, Boehrer B, Duffek A, van der Veen A, **Friese K (2010)**. Flood effects on phosphorus immobilisation in a river water filled pit lake - Case study Lake Goitsche (Germany). *Limnologica* 40: 182-190.
- 44) Wisskirchen C, Dold B, **Friese K**, Spangenberg JE, Morgenstern P, Glaesser W (2010). Geochemistry of highly acidic mine water disposal into a natural lake with carbonate bedrock. *Applied Geochemistry* 25: 1107-1119.

2007

- 43) Bozau E, Bechstedt T, **Friese K**, Frömmichen R, Herzsprung P, Koschorreck M, Meier J, Völkner C, Wendt-Potthoff K, Wieprecht M, Geller W (2007): Biotechnological remediation of an acidic pit lake: Modelling the basic processes. *J Geochem Exploration* 92: 212-221.
- 42) Smuda J, Dold B, **Friese K**, Morgenstern P, Glaesser W (2007): Mineralogical and geochemical study of the sulfide-rich Excelsior waste rock dump at the Zn-Pb deposit Cerro de Pasco, Peru. *J Geochem Exploration* 92: 97-110.

2006

- 41) Costa AT, Nalini HA Jr., de Tarso Amorim Castro P, de Lena JC, Morgenstern P, **Friese K (2006)**: Sediment contamination in floodplains and alluvial terraces as an historical record of auriferous exploitation in the Carmo River basin, Southeast Quadrilátero Ferrífero, Minas Gerais, Brazil. *Acta hydrochim. hydrobiol.* 34: 245-256.
- 40) Herzsprung P, Bozau E, Büttner O, Duffek A, **Friese K**, Koschorreck M, Schultze M, Tümppling W, Wendt-Potthoff K (2006): Routine analysis of sediment pore water with high ionic strength. *Acta hydrochim. hydrobiol.* 34: 593-607.
- 39) Krüger F, Schwartz R, Kunert M, **Friese K (2006)**: Methods to calculate sedimentation rates of floodplain soils in the middle region of the Elbe River. *Acta hydrochim. hydrobiol.* 34: 175-187.
- 38) Veen A, Ahlers C, Zachmann DW, **Friese K (2006)**: Spatial Distribution and Bonding Forms of Heavy Metals in Sediments along the Middle Course of the River Elbe (km 287...390). *Acta hydrochim. hydrobiol.* 34: 214-222.

2005

- 37) Baborowski M, Claus E, **Friese K**, Kammer F vd, Kasimir P, Pelzer J, Heininger P (2005). Comparison of different monitoring programs of the 2002 summer flood in the river Elbe. *Acta hydrochim. hydrobiol.* 33: 404-417.
- 36) Basilio MS, **Friese K**, deLena J, Nalini HA Jr., Roeser HPM (2005): Adsorção de As, Cu, Pb e Cr na avaliação da capacidade de fixação de metais por residuo de mineradoras de ferro. *Quimica Nova*, 28: 822-828.
- 35) Herzsprung P, Duffek A, **Friese K**, de Rechter M, Schultze M, von Tümppling W Jr (2005): Modification of a continuous flow method for analysis of trace amounts of nitrate in iron rich sediment pore-waters of mine pit lakes. *Water Research*, 39: 1887-1895.
- 34) Kammer F, Baborowski M, **Friese K (2005)**: Field-Flow Fractionation coupled to Multi-Angle Laser Light Scattering Detectors: Applicability and Analytical Benefits for the Analysis of Environmental Colloids. *Analytica Chimica Acta*, 552: 166-174.
- 33) Kammer, F, Baborowski M, **Friese K (2005)**: Application of a high-performance liquid chromatography fluorescence detector as a nephelometric turbidity detector following Field-Flow Fractionation to analyse size distributions of environmental colloids. *J. Chromat.*, 1100: 81-89.

2004

- 32) Baborowski M, Tümpling W Jr, **Friese K. (2004)**: Behaviour of suspended particulate matter (SPM) and selected heavy metals during the summer flood 2002 in the river Elbe (Germany) at the monitoring site Magdeburg. *Hydrology and Earth System Sciences*, 8: 135-150.
- 31) Fauville A, Mayer B, Frömmichen R, **Friese K**, Veizer J (2004): Chemical and isotopic evidence for accelerated bacterial sulphate reduction in acid mining lakes water after addition of organic: laboratory batch experiments. *Chemical Geology*, 204: 325-344.
- 30) **Friese K (2004)**: Depth distribution of heavy metals in lake sediments from lignite mine pit lakes of Lusatia (Germany). *Studia Quaternaria*, 21: 197-205.
- 29) Frömmichen R, Wendt-Potthoff K, **Friese K**, Fischer R (2004): Microcosm studies for neutralization of hypolimnetic acid mine pit lake water (pH 2.6). *Environ. Sci. Technol.*, 38: 1877-1887.
- 28) Knöller K, Fauville A, Mayer B, Strauch G, **Friese K**, Veizer J (2004): Sulfur cycling in an acid mining lake and its vicinity in Lusatia, Germany. *Chemical Geology*, 204: 303-323.

2003

- 27) Costa AT, Nalini Jr. HA, deLena JC, **Friese K**, Mages M (2003): Surface water quality and sediment geochemistry in the Gualaxo do Norte Basin, eastern Quadrilátero Ferrífero, Minas Gerais, Brazil. *Environmental Geology*, 45: 226-235.
- 26) **Friese K**, Frömmichen R, Witter B, Müller H (2003): Determination of trace metals in the freshwater leech *Erpobdella octuculata* of the River Elbe –evaluation of the analytical protocol. *Acta hydrochim. hydrobiol.* 31: 346-355.
- 25) Frömmichen R, Kellner S, **Friese K (2003)**: Sediment conditioning with organic and/or inorganic carbon sources as a first step in alkalinity generation of acid mine pit lake water (pH 2 – 3). *Environmental Science and Technology*, 37: 1414-1421.
- 24) Witter B, Winkler M, **Friese K (2003)**: Depth distribution of chlorinated and polycyclic hydrocarbons in floodplain soils of the River Elbe. *Acta hydrochim. hydrobiol.*, 31: 411-422.

2002

- 23) Fajtl J, Tichý R, Wendt-Potthoff K, **Friese K**, Koschorreck M, Herzsprung P, Fortin D, Ledvina R (2002): Do NaOH amendments control the biochemical production of sulphate in aerated mine lake sediments? *Environmental Geology*, 41: 906-915.
- 22) **Friese K**, Herzsprung, P, Witter B (2002): Photochemical degradation of organic carbon in acidic mining lakes.- *Acta hydrochimica et hydrobiologia*, 30: 141-148.
- 21) Herpin U, Cerri CC, Carvalho MCS, Markert B, Enzweiler J, **Friese K (2002)**: Biogeochemical dynamics following land use change from forest to pasture in Rondônia, Brazil. A multi -element approach by means of XRF-spectroscopy.- *The Science of the Total Environment* 286: 97-109.
- 20) Herzsprung P, **Friese K**, Frömmichen R, Goettlicher J, Koschorreck M, vTümpling W, Wendt-Potthoff K (2002): Chemical changes in sediment pore-waters of an acidic mining lake after addition of organic substrate and lime for stimulating lake remediation.- *Water, Air, and Soil Pollution, Focus* 2: 123-140.

2001

- 19) Bachmann TM, Zachmann DW, **Friese K (2001)**: Redox and pH conditions in the water column and in the sediments of an acid mining lake.- *Journal of Geochemical Exploration* 73: 75-86.

- 18) Becker A, Klöck W, **Friese K**, Schreck P, Treutler H-Ch, Spettel B, Duff M, Eisenächer W (2001): Lake Süsser See as a sink for heavy metals.- Journal of Geochemical Exploration 74: 205-217.
- 17) Morgenstern P, **Friese K**, Wendt-Potthoff K, Wennrich R (2001): Bulk chemistry analysis of sediments from acid mine lakes by means of wavelength dispersive X-ray fluorescence.- Mine Water and the Environment 20: 105-113.
- 16) Pedrozo F, Kelly L, Diaz M, Temporetti P, Baffico G, Kringel R, **Friese K**, Mages M, Geller W, Woelfl S (2001): First results on the water chemistry, algae and trophic status of an Andean acidic lake system of volcanic origin in Patagonia (Lake Cavihue).- Hydrobiologia 452: 129-137.
- 15) Rother A, **Friese K** (2001): PAK-Muster in Böden ehemaliger Bauschutt- und Hausmülldeponien. Z. dt. geol. Ges. 152/1: 99-107.
- 14) Scharf BW, Pirrung M, Boehrer B, Buechel G, **Friese K**, Kusel-Fetzmann E, Mages M, Treutler H-C, Witkowski A. (2001): Limnogeological studies of maar lake Ranu Klindungan, East Java, Indonesia.- Amazoniana XVI (3/4): 487-516.

1999

- 13) Bruns I, **Friese K**, Markert B, Krauss G-J (1999): Heavy metal inducible compounds from *Fontinalis antipyretica* reacting with Ellman's reagent are not phytochelatins.- The Science of the Total Environment 241, 215-216.
- 12) Kunert M, **Friese K***, Weckert V, Markert B (1999): Lead isotope systematics in moss samples – an example from a biomonitoring field study.- Env. Sci. Technol., 33: 3502-3505.
- 11) Markert B, Wappelhorst O, Weckert V, Herpin U, Siewers U, **Friese K**, Breulmann G (1999) The use of bioindicators for monitoring the heavy-metal status of the environment.- J. Radioanal. Nucl. Chem., 240: 425-429.

1998

- 10) Büttner O, Becker A, Kuehn B, Wendt-Potthoff K, Zachmann DW, **Friese K** (1998) Geostatistical analyses of surface sediments in an acidic mining lake. Water Air Soil Poll., 108: 297-316.
- 9) **Friese K**, Wendt-Potthoff K, Zachmann DW, Fauville A, Mayer B, Veizer J (1998) Biogeochemistry of iron and sulfur in sediments of an acidic mining lake in Lusatia, Germany. Water Air Soil Poll., 108: 231-247.
- 8) Hupfer M, Fischer P, **Friese K** (1998) Phosphorus retention mechanisms in the sediment of an eutrophic mining lake. Water Air Soil Poll., 108: 341-352.
- 7) Herzsprung P, Packroff G, Schimmele M, Wendt-Potthoff K, Winkler M, **Friese K** (1998) Vertical and annual distribution of ferric and ferrous iron in acidic mining lakes. Acta hydrochim. hydrobiol. 26: 253-262.
- 6) Rother A, **Friese K*** (1998) Erfassung und Bewertung von Schwermetall-, Arsen- und PAK-Gehalten in Dauergrünlandböden im Stadtgebiet von Hamm/Westfalen.- Z.dt. geol. Ges., 149: 287-304.

1997

- 5) Bruns I, **Friese K**, Markert B, Krauß GJ (1997) The use of *Fontinalis antipyretica* L. ex Hedw. as a bioindicator for heavy metals. 2. Heavy metal accumulation and physiological reaction of *Fontinalis antipyretica* L. ex Hedw. in active biomonitoring in the River Elbe.- The Science of the Total Environment 204: 161-176.
- 4) **Friese K**, Mages M, Wendt-Potthoff K, Neu TR (1997) Determination of Heavy Metals in Biofilms of the river Elbe by Total Reflection X-ray Fluorescence Spectrometry.- Spectrochimica Acta Part B 52: 1019-1025.

- 3) Herpin U, Markert B, Weckert V, Belekamp J, Siewers U, **Friese K**, Lieth H (1997) Retrospective analysis of heavy metal concentrations at selected locations in the Federal Republic of Germany using moss material from a herbarium.- The Science of the Total Environment 205: 1-12.
- 2) Markert B, Pedrozo F, Diaz M, **Friese K**, Wöfl S, Geller W (1997) A contribution to the heavy metal and nutritional element status of some lakes in the Southern Andes of Argentine (Patagonia).- The Science of the Total Environment 206: 1-15.
- 1) **Friese K**, Haack U (1993) Lead Isotopes in the Brocken Granite.- Monograph Series on Mineral Deposits **30**, 279-284.

Diplomarbeit: "Die Insubrische Linie zwischen Ivrea und Biella - Petrographische und Tektonische Untersuchungen (Provinz Vercelli, Italienische Westalpen)".- Dipl.-Arb., 131 S.; IGDL der Universität Göttingen (1985).

Dissertation: "Pb-Isotopengeochemische Untersuchungen an Gesteinen und Mineralen der Oberpfalz und des Harzes".- Diss., 124 S.; Universität Göttingen (1990).

Habilitationsschrift: "Hydrochemie und Sedimentgeochemie eines Pyrit-versauerten Bergbauseses des Lausitzer Braunkohlenreviers (RL-111) als Grundlage zur Entwicklung eines Neutralisationsverfahrens".- 350 S., Martin-Luther-Universität Halle-Wittenberg (2005).

Books

Friese K, Witter B, Miehl G, Rode M (Hrsg.) (2000): Stoffhaushalt von Auenökosystemen - Böden und Hydrologie, Schadstoffe, Bewertungen. 438 S., Springer Verlag, Berlin.

Markert B, **Friese K** (eds.) (2000): Trace Elements - Their Distribution and Effects in the Environment. 580 pp., Elsevier, Amsterdam.

Book chapter**2012**

- 17) **Friese K**, Herzsprung P, Schultze M (2012):
Water, sediment, and pore water
In: Geller W, Schultze M, Kleinmann R, Wolkersdorfer C (Hrsg.)
Acidic pit lakes - The legacy of coal and metal surface mines
Environmental Science and Engineering, p. 42 – 57; Springer, Berlin, Heidelberg.

2011

- 16) Samhan S, Al-Sa'ed R, Assaf K, **Friese K**, Afferden M, Müller R, von Tümpling W, Ghanem M, Ali W, Zimmo O (2011): Waste Water Management Overview in the Occupied Palestinian Territory.- In: Barceló D, Petrovic M (eds.) Waste Water Treatment and Reuse in the Mediterranean Region, 229-248, Springer, Berlin, Heidelberg.

2008

- 15) Schultze M, **Friese K**, Sánchez J, Santofimia E, López E (2008): The Aznalcóllar pit lake - water quality and options of remediation.- In: López-Geta JA, Loredó Pérez J, Fernández Ruiz L, Pernía Llera JM (Eds.) Investigación y gestión de los recursos del subselo. Libro homenaje al Profesor Fernando Pendás Fernández (Serie: Hidrología y Aguas subterráneas 27), 853-864; Instituto Geologico y Minero de Espana, Madrid.

2007

- 14) **Friese K**, Schwartz R, Krüger F (2007): Transport and storage of river sediment and associated trace metals into floodplains of the Elbe.- In: Westrich B, Förstner U (Eds.) Sediment Dynamics and Pollutant Mobility in Rivers – An Interdisciplinary Approach, 287-296; Springer, Berlin.

2002

- 13) Lemos F, Sullivan T, **Friese K**, Ross T, Barbosa M (2002): Translating natural concentrations and fluxes into safety indicators for radioactive waste repositories.- In: Merkel BJ, Planer-Friedrich B, Wolkersdorfer Ch. (Eds.) Uranium in the Aquatic Environment, 147-154; Springer, Berlin.

2001

- 12) Frömmichen R, Koschorreck M, Wendt-Potthoff K, **Friese K** (2001): Neutralization of acidic mining lakes via in situ stimulation of bacteria.- In: Lesson A, Peyton B, Means J, Magar VS (Eds.) Bioremediation of Inorganic Compounds –6(9), Battelle Press, Columbus, OH, 43-52.
- 11) Krüger F, Kunert M, Büttner O, **Friese K**, Rupp H (2001): Geochemische Zusammensetzung von Hochflutsedimenten an der Elbe bei Wittenberge.- in Gesellschaft für Umwelt-Geowissenschaften (Hrsg.) Umweltgeochemie in Wasser, Boden und Luft – Geogener Hintergrund und anthropogene Einflüsse, 57-74. Springer, Berlin.

2000

- 10) Bruns I, **Friese K**, Krauss G, Krauss G-J (2000): Assessment of metal pollution of aquatic systems with the water moss *Fontinalis antipyretica* L. ex Hedw. - from fundamental investigations to physiological effects.- in Markert B, **Friese K** (eds.) Trace Elements - Their Distribution and Effects in the Environment, 323-339. Elsevier, Amsterdam.
- 9) **Friese K**, Miehl G, Witter B, Brack W, Büttner O, Gröngröft A, Krüger F, Kunert M, Rupp H, Schwartz R, van der Veen A, Zachmann DW (2000): Distribution and fate of organic and inorganic contaminants in a river floodplain - results of a case study on the River Elbe, Germany.- In Wise DL, Trantolo DJ, Cichon EJ, Inyag HI, Stottmeister U (eds.) Remediation Engineering of Contaminated Soils, 2nd ed., 375-428, Marcel Dekker, New York.
- 8) Geller W, **Friese K**, Herzsprung P, Kringel R, Schimmele M, Schultze M, Wendt-Potthoff K, Wölfl S (2000): Geogene Versauerung von Tagebaurestgewässern.- in Guderian R, Gunkel G

(Hrsg.) Handbuch der Umweltveränderungen und Ökotoxikologie, Band III: Aquatische Ökosysteme, 352 – 380, Springer, Berlin.

- 7) Kunert M, Krüger F, Büttner O, **Friese K (2000)**: Elementzusammensetzung rezenter Hochwassersedimente in einer Elbaue der mittleren Elbe. In: Friese K, Witter B, Miehllich G, Rode M (Hrsg) Stoffhaushalt von Auenökosystemen - Böden und Hydrologie, Schadstoffe, Bewertungen. 181-188, Springer Verlag, Berlin.
- 6) Krüger F, Miehllich G, **Friese K (2000)**: Schadstoffpufferkapazitäten von Vorlandböden an der Mittleren Elbe. In: Friese K, Witter B, Miehllich G, Rode M (Hrsg) Stoffhaushalt von Auenökosystemen - Böden und Hydrologie, Schadstoffe, Bewertungen. 189-198, Springer Verlag, Berlin.
- 5) Vogt M, Zachmann DW, Treutler HC, Krüger F, **Friese K (2000)**: Zeitliche Belastungsentwicklung von Sedimenten aus Elbaue-Stillgewässern. In: Friese K, Witter B, Miehllich G, Rode M (Hrsg) Stoffhaushalt von Auenökosystemen - Böden und Hydrologie, Schadstoffe, Bewertungen. 209-218, Springer Verlag, Berlin.
- 4) Witter B, Winkler M, **Friese K (2000)**: Verteilung organischer Spurenstoffe in Auenböden der Mittel-Elbe. In: Friese K, Witter B, Miehllich G, Rode M (Hrsg) Stoffhaushalt von Auenökosystemen - Böden und Hydrologie, Schadstoffe, Bewertungen. 219-226, Springer Verlag, Berlin.

1999

- 3) Bachmann T, **Friese K (1999)**: Dialysesammler (Peeper) zur Gewinnung von Porenwässern aus Sedimenten.- in Kern U, Westrich B (Hrsg.) Methoden zur Erkundung, Untersuchung und Bewertung von Sedimentablagerungen und Schwebstoffen in Gewässern, DVWK-Schriften 128, 144-149, Wirtschafts- und Verl.-Ges. Gas und Wasser, Bonn.

1998

- 2) **Friese, K.,** Hupfer, M. & Schultze, M. (1998): Chemical characterization of water and sediment in acid mining lakes of the Lusatian lignite district.- in Geller, W., Klapper, H. & Salomons, W. (eds.): Acidic Mining Lakes - Acid Mine Drainage, Limnology and Reclamation, 25-45, Springer, Berlin.
- 1) Klapper, H., **Friese, K.,** Scharf, B., Schimmele, M. & Schultze, M. (1998): Way of Controlling Acid by Ecotechnology.- in Geller, W., Klapper, H. & Salomons, W. (eds.): Acid Mining Lakes - Acid Mine Drainage, Limnology and Reclamation, 401-416, Springer, Berlin.