

Sommersemester 2012

- [Übersicht vorgesehene Vorträge im Sommersemester 2012
\(Stand: Juli 2012\)](#)
- [13.07.2012 Dorothea Kujawinski
Liquid Chromatography coupled to Isotope Ratio Mass Spectrometry](#)
- [06.07.2012 Juri Leonhardt
Topics of my Ph.D. thesis and first results](#)
- [29.06.2012 Alaa Salma
Investigation of ciprofloxacin transformation products during TiO₂/UV
treatment](#)
- [22.06.2012 Johannes Glaubitz
Chromatographic and spectroscopic characterization of formulation
additives](#)
- [15.06.2012 Agnes Tekle-Rötering
Reactions of anilines with ozone](#)
- [01.06.2012 Marco Nestola
LC-GC Kopplungstechniken in der Lebensmittel- und Rückstandsanalytik](#)
- [11.05.2012 Xolelwa Lamani
Determination of Aromatic amines as relevant toxicological components in
aqueous and biological samples using
comprehensive multi-dimensional GCxGC-qMS](#)
- [04.05..2012 Alexandra Beermann:
Characterisation of Reactive Species
in the Fenton-System:
OH-Radicals vs. Fe\(IV\)](#)
- [27.04.2012 Feng Liang
Fast on-site monitoring of gasoline-related compounds at contaminated
sites using differential mobility spectrometry](#)
- [20.04.2012 Prof. Dr. Karl Molt:
DIN-gerechte Kalibrierung mit linearen und nichtlinearen Funktionen](#)
- [13.04.2012 Sarah Schroth
Untersuchungen zur Sorption nicht ionischer organischer Verbindungen an
mehrwandigen Kohlenstoffnanoröhren mittels einer Headspace GC-MS
Methode](#)
- [13.04.2012 Svetlana Gasanova
Non-thermal plasmas created by corona-like discharges for eliminating
recalcitrant organic contaminants](#)

- [23.03.2012 Rani Bakkour](#)
[Bromate Formation in Sulfate Radical-Based Oxidation in Water Treatment – Mechanistic Aspects and Application](#)

Wintersemester 2011/2012

- [Übersicht vorgesehene Vorträge im Wintersemester 2011/2012 \(Stand: November 2011\)](#)
- [20.02.2012 Jörg Eltfeld](#)
[Nachhaltige urbane Kulturlandschaft in der Metropole Ruhr](#)
- [13.02.12 Holger Lutze](#)
[Sulfate radical based oxidation-A useful tool in water treatment ?](#)
- [30.01.12 Jens Laaks](#)
[Solvent-free microextraction techniques in gas-chromatography](#)
- [23.01.12 Marcel Schulte](#)
[Construction of a preconcentration unit for the characterization of the carbon isotopic signature of methane and carbon dioxide at atmospheric levels by GC-IRMS](#)
- [19.12.11 Jakob Haun](#)
[Development of a comprehensive two-dimensional nano-/capillary-LC system with mass-spectrometric detection for screening analysis of complex samples](#)
- [12.12.11 Lijun Zhang](#)
[A New Hyphenation of High Temperature Liquid Chromatography Coupled to Isotope Ratio Mass Spectrometry \(HTLC/IRMS\)](#)
- [28.11.2011 Thorsten Hüffer](#)
[Sorption of non-ionic organic compounds onto carbon-based nanomaterials](#)
- [21.11.11 Kamil Michalski](#)
[Benzene in \$\beta\$ -carotene containing food products \(DFG-project in progress\)](#)
- [14.11.11 Marcel Klees](#)
[Bestimmung von polychlorierten Biphenylen \(PCB\) und polychlorierten Dibenzodioxinen und –furanen \(PCDD/F\) in Straßenstaub](#)
- [07.11.11 Cornelia Zscheppank](#)
[Method development for the analysis of microbial metabolites by FAIMS](#)
- [07.11.11 Claudia vom Eyser](#)
[Nutrient recovery and elimination of trace substances during the thermocatalytic production of biochar \(NEST-HTC\)](#)
- [24.10.11 Linda Gehrmann](#)
[Vergleich verschiedener Methoden zur Bestimmung estrogener Substanzen](#)

und Einführung eines auf *Arxula adenivorans* basierenden Online-Messsystems.

- 26.09.11 Florian Schulz
Entwicklung von Methoden zur Bestimmung verschiedener trinkwasserrelevanter Schadstoffe im unteren μM -Bereich mittels UHPLC/UV

Sommersemester 2011

- 18.07.2011 Agnes Tekle-Röttering
Reactions of primary and secondary amines with ozone
- 04.07.2011 Xolelwa Lamani
Determination of Aromatic amines as relevant toxicological components in aqueous and biological samples using comprehensive multi-dimensional GCxGC-MS
- 04.07.2011 Johannes Glaubitz
Chromatographic and spectroscopic characterization of formulation additives
- 20.06.2011 Frank Hitzgrath
Bestimmung von diffusen Wasserstoff in Stählen
- 20.06.2011 Lena Saptalena
Determination of Volatile Metabolites of Fecal Contaminants in Water Samples by Differential Mobility Spectrometry (DMS)
- 06.06.2011 Dorothea Kujawinski
Liquid Chromatography coupled to Isotope Ratio Mass Spectrometry
- 23.05.2011 Christine Erger
SPE-GC/MS method for the investigation of 54 organic xenobiotics in surface water
- 16.05.2011 Jakob Haun
Solvent compatibility in two-dimensional liquid chromatography – The influence of high temperatures on solvent effects
- 02.05.2011 Alexandra Beermann
Characterisation of reactive Species in the Fenton-System: OH-Radicals vs. Fe(IV)
- 11.04.2011 Svetlana Gasanova
Non-thermal plasmas created by corona-like discharge for eliminating recalcitrant organic contaminants
- 04.04.2011 Sven Marcel Schulte
Investigation of the abiotic methylation of metal(loid)s by methylcobalamin by atomic spectrometry and isotopic analysis

- [04.04.2011 Shujie, Liu](#)
[Ozonation of Benzotriazoles -Mechanistic aspects](#)

Wintersemester 2010/2011

- [24.01.11 Lijun Zhang](#)
[High Temperature Reversed-Phase Liquid Chromatography Coupled to Isotope Ratio Mass Spectrometry \(HT-RPLC-IRMS\)](#)
- [13.12.10 Oliver Würfel](#)
[Determination of \$^{13}\text{C}/^{12}\text{C}\$ isotopic ratios of biogenic organometal\(loid\) compounds in complex matrices](#)
[A promising tool for investigation of carbon isotope fractionation during methylation of metal\(loid\)s by methylcobalamin](#)
- [29.11.10 Thorsten Hüffer](#)
[Sorption of non-ionic organic compounds onto carbon-based nanomaterials](#)
- [22.11.10 Alexandra Jarocki](#)
[OH-Radical \(\$\cdot\text{OH}\$ \) Yield in the Fenton Reaction \(\$\text{Fe}^{2+} + \text{H}_2\text{O}_2\$ \) under Various Conditions](#)
- [08.11.10 Thomas Bens](#)
[Adsorption Gadolinium basierter Diagnostika an Pulveraktivkohle](#)
- [15.11.10 Robert Keith Brown](#)
[Cyclic voltammetric testing of environmentally relevant organic substances in aqueous electrolytes](#)
- [15.11.10 Zülfü Engin](#)
[Quantifizierung von Compound-Bipolarplatten und Dichtungsmaterialien zur Applikation in PEM Brennstoffzellen mittels chemischer Alterung](#)
- [25.10.10 Simeon Horst](#)
[Festphasenextraktion aromatischer Amine aus komplexen Matrices](#)

Sommersemester 2010

- [09.07.10 Manuel Stephan](#)
[Sorbent Based Enrichment Techniques for Compound Specific Isotope Analysis](#)
- [02.07.10 Johannes Glaubit](#)
[Chromatographic and spectroscopic characterisation of formulation additives](#)

- [18.06.10 Oliver Dördelmann](#)
[Behandlung von NF/RO-Konzentraten](#)
[aus der Trinkwasseraufbereitung](#)
- [04.06.10 Lena Saptalena](#)
[Determination of Volatile Metabolites](#)
[of Fecal Contaminants in Water Samples](#)
[by Differential Mobility Spectrometry \(DMS\)](#)
- [28.05.10 Dorothea Kujawinski](#)
[SPE-GC-MS method for the investigation](#)
[of the whole water sample](#)
- [07.05.10 Christiane Erger](#)
[SPE-GC-MS method for the investigation](#)
[of the whole water sample](#)
- [30.04.2010 Jakob Haun](#)
[Development of a multi-](#)
[dimensional liquid chromatographic system for the analytical screening of](#)
[house dust samples](#)
- [23.04.2010 Agnes Tekle-Röttering](#)
[Reaktion von primären und sekundären Aminen mit Ozon](#)

Wintersemester 2009/2010

- [12.03.2010 Jens Laaks:](#)
[In-tube Extraction of volatile organic hydrocarbons from aqueous samples](#)
[with purge and trap sensitivity](#)
- [12.03.2010 Behnusch Athenstädt:](#)
[Identifizierung und Methodenentwicklung zur Quantifizierung](#)
[migrationsfähiger Substanzen aus Kunststoffen](#)
- [05.02.2010 Maike Cyris:](#)
[Verhalten und Bewertung](#)
[Gadolinium-basierter Diagnostika in der weitergehenden](#)
[Abwasserbehandlung](#)
- [29.01.2010 Sebastian Kowal:](#)
[Investigation on the behavior of pesticides and metabolites during drinking](#)
[water treatment](#)
- [21.01.2010 Lijun Zhang:](#)
[Evaluation of separation columns used in HTLC-IRMS](#)
- [10.01.2010 Stefen Wiese:](#)
[Method development in liquid chromatography using temperature gradients](#)

- [15.12.2009 Alexander Ewert:](#)
[Analysis of aromatic amines in aqueous matrices for the determination of their relevance as toxic trace components in urine, waste water and surface water](#)
- [27.11.2009 Ratnaningtyas Budhi Lestari:](#)
[Laboratory-scale study on hybrid membrane system for water defluoridation](#)
- [27.11.2009 Yuan Qian:](#)
[Adsorption of Hydrophobic Organic Compounds \(HOCs\) to Inorganic Surfaces in Aqueous Solutions](#)
- [20.11.2009 Fayaz Kondagula:](#)
[Purity Control of Chemicals using Middle and Near Infrared Spectroscopy](#)
- [20.11.2009 Jessica Trockel:](#)
[Determination of thin layers with use of fluorescence spectroscopy](#)
- [20.11.2009 Alexandra Jarocki:](#)
[Characterization of reactive species in the Fenton reaction \(\$\text{Fe}^{2+} + \text{H}_2\text{O}_2\$ \)](#)
- [20.11.2009 Holger Lutze:](#)
[Drinking water treatment in pilot scale](#)

Sommersemester 2009

- [17.07.2009 Lena Saptalena](#)
[Determination of Volatile Metabolites of Fecal Contaminants in Water Samples by Differential Mobility Spectrometry \(DMS\)](#)
- [10.07.2009 Jens Laaks](#)
[Microextraction Techniques in Gas Chromatography](#)
- [03.07.2009 Christine Erger](#)
[Development of a fully automated SPE-method for the determination of priority organic pollutants in water containing suspended particulate matter](#)
- [19.06.2009 Jakob Haun](#)
[Development of a multidimensional liquid chromatographic system for the analytical screening of house dust samples](#)
- [05.06.2009 Dorothea Kujawinski](#)
[Development of a LC-Method for Compound Identification in Complex Aqueous Media by Coupled Raman/IRMS Detection](#)

- [29.05.2009 Stephan Wiese](#)
[Influence of temperature and solvent composition on the retention of specific compounds in HPLC](#)
- [08.05.2009 Andrea Börgers](#)
[Erstellung von Lösemittel-Nomogrammen für die Hochtemperatur-Hochleistungsflüssigchromatographie \(HT-HPLC\)](#)
- [08.05.2009 Marco Wolff](#)
[Entwicklung einer Methode für die automatisierte Extraktion und clean-up am Beispiel ausgewählter Mykotoxine](#)

Wintersemester 2008/2009

- [09.01.2009 Sebastian Kowal](#)
[Examination of pesticides degradations products during chlorination processes in water treatment with an UPLC-MS/MS](#)
- [09.01.2009 Manuel Stephan](#)
[Isotopic characterization of polar volatile organic compounds by SPDE-GC-IRMS](#)
- [12.12.2008 Ratnaningtyas Budhi Lestari](#)
[Laboratory-scale study on hybrid membrane system for defluoridation of drinking water](#)
- [28.11.2008 Fayaz Kondagula](#)
[Purity Control of Chemical Substances using Infrared Spectroscopy](#)
- [21.11.2008 Jessica Trockel](#)
[Determination of thin layers with use of fluorescence spectroscopy](#)
- [14.11.2008 Malwin Malinowski:](#)
[Analysis of volatile organic compounds in water by SPME-GC-DMS](#)
- [14.11.2008 Alexander Kölm](#)
[Development of an online TGA/DTA-DMS-Interface](#)
- [31.10.2008 Dorothea Kujawinski](#)
[Development of a P&T-GC-IRMS method for carbon and hydrogen isotope measurements of fuel oxygenates](#)
- [24.10.2008 Jens Laaks:](#)
[Fingerprinting of German red wines using MSChromSearch](#)
- [17.10.2008 Holger Lutze:](#)
[Advanced Oxidation Processes: Starting up a pilot study](#)

Sommersemester 2008

- [19.09.2008 Alexandra Jarocki:](#)
[Characterization of reactive species in the Fenton reaction \(\$\text{Fe}^{2+} + \text{H}_2\text{O}_2\$ \)](#)
- [06.06.2008 Nonhlangabezo Mabho:](#)
[Determination of Hydrogen in Uncoated Steel](#)

Wintersemester 2007/2008

- [28.03.2008 Steffen Wiese:](#)
[Influence of temperature and solvent composition on the retention of specific compounds in HPLC](#)
 - [14.03.2008 Sebastian Kowal:](#)
[Development of a fast analytical method for the determination of polar pesticides in surface water and ground water and studies about the degradation of pesticides in different model waters](#)
 - [11.01.2008 Manuel Stephan:](#)
[Microextraction techniques in GC/IRMS](#)
 - [14.12.2007 Yuan Qian:](#)
[Adsorption of hydrophobic organic compounds \(HOCs\) to inorganic surfaces in aqueous solutions](#)
- [Holger Krohn:](#)
[Introduction into Scanning Electro Chemical Microscopy \(SECM\)](#)
- [30.11.2007 Ratnaningtyas Budhi Lestari:](#)
[Defluoridation of Drinking Water by Hybrid Nalgonda Process - Membrane Technique](#)