



Wasserchemische Gesellschaft

Fachgruppe der
Gesellschaft Deutscher Chemiker

Wasser 2024

Annual Meeting of the
Waterchemical Society
May 6-8, 2024
Limburg

[http://www.wasserchemische-gesellschaft.de/de/
veranstaltungen/jahrestagungen/limburg-6-8-mai-2024](http://www.wasserchemische-gesellschaft.de/de/veranstaltungen/jahrestagungen/limburg-6-8-mai-2024)

www.gdch.de/wasser2024



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Dear participants,

on behalf of the board of the Water Chemical Society, I warmly invite you to our „Wasser 2024“ in Limburg.

Limburg is best known for its cathedral and picturesque old town with half-timbered houses. The Limburg Cathedral, also known as St. George's Cathedral after its patron saint, St. George, is located above the old town next to Limburg Castle. It has seven towers, more than any other church in Germany. Located directly on the river Lahn, water has always played a central role for Limburg. You can convince yourself of this during one of the city tours. On Monday, you have the opportunity to participate in a historical walk from the Katzenturm to the Obermühle, and on Tuesday, we offer a cathedral tour followed by a visit to the Diocesan Museum, the cathedral treasury, and the Limburg Bishop's House of the Bishop Franz-Peter Tebartz-van Elst.

On Sunday evening, we will have a joint get-together where both young researchers and experienced scientists will meet for a small snack. Instead of the evening lecture, on Monday, we will host a Colorful Night of Posters for the first time, with a small snack and drinks, to give more space to both posters and exhibitors. Of course, we will meet again on Tuesday evening at the networking dinner, where we will combine social gathering with short presentations from water supply companies.

Due to increasing internationalization, English-language contributions are becoming increasingly important. We want to accommodate this by offering online translation alongside English-language presentations and posters to facilitate correspondence for our English-speaking scientists.

One of the highlights of our annual conference in Limburg is the keynote lecture by Prof. Urs von Gunten on the application of oxidative processes in water treatment. Prof. Urs von Gunten is a globally renowned leading scientist at Eawag in the field of water treatment (with a focus on oxidation processes) and an EPFL professor in Lausanne.

Current topics such as the detection and removal of relevant emerging pollutants in the urban water cycle, the impacts or management of extreme events, and adaptations to climate change with a focus on water quality and resources are reflected in many lectures and poster contributions. For the first time, we will also have a dedicated lecture session on ecotoxicology. Familiar topics such as drinking water & hygiene or surface water and groundwater quality have not lost any of their relevance and remain important components of the program.

The scientific committee has compiled an attractive and exciting program for „Wasser 2024“ from the numerous excellent submissions.

I am very much looking forward to meeting many familiar faces in Limburg. Similarly, I hope to welcome and get to know many new water enthusiasts. As the board, we are very pleased to be able to exchange ideas, discuss, and/or simply chat with you face to face.

Prof. Dr. Thomas Ternes,
Chairman of the Water Chemical Society,
Federal Institute of Hydrology, Koblenz

Monday, May 6, 2024

9:00 a.m. **Opening** Großer Saal
Musical introduction

Welcome

Chairman of the Board of the
Water Chemical Society

Speeches

From politics, business and authorities

Honors/Awards

- Phd Award of Willy Hager foundation
- Phd Awards in the Field of Water Chemistry in the field of water chemistry – sponsored by the Walter Kölle Foundation
- Presentation of the badge of honor of the Water Chemical Society

Musical finale

10:30 a.m. **POSTER CORE TIME & EXHIBITION /
COFFEE BREAK**

Awards

Chair: T. Ternes

11:00 a.m. **Willy-Hager-Award**
V01 **Technische Lösungsansätze für bedarfsgerechtes Wasserrecycling in der Landwirtschaft**
C. Schwaller, Garching/DE

11:20 a.m. **Phd Award of Water Chemical Society**
V02 **From Raw Signals to Rich Insights: Data Processing Strategies in Non-Target Analysis**
L. Hohrenk-Danzouma, Lüneburg/DE

11:40 a.m. **Phd Award of Water Chemical Society**
V03 **Mechanistic insights on interactions of dissolved organic matter with chemical oxidants: quantification of reactive sites and identification of oxidation byproducts**
J. Houska, Zürich/CH

Monday, May 6, 2024

Poster presentation

An-01, An-05, An-08, An-14

12:15 p.m. **POSTER CORE TIME & EXHIBITION /
LUNCH BREAK**

Analytical methods

Chair: E. Janssen

Großer Saal

1:15 p.m. **User Parameter-Free, Fully Automated, and Data Quality-Based Feature Detection for Non-Target Screening**
V04 G. Renner, Essen/DE, M. Reuschenbach, Essen/DE, T. C. Schmidt, Essen/DE

1:35 p.m. **PFAScreen – Open-source Tool für eine PFAS-Feature-Priorisierung im Non-Target Screening**
V05 J. Zweigle, Tübingen/DE, B. Bugsel, Tübingen/DE, J. Fabregat-Palau, Tübingen/DE, C. Zwiener, Tübingen/DE

1:55 p.m. **Antikörperbasierte vor-Ort-Analytik für das Monitoring der Eliminierung von Spurenstoffen in Kläranlagen**
V06 R. Schneider, Berlin/DE

2:15 p.m. **Anwendungsfelder für moderne bioanalytische Methoden zur Bestimmung von Pathogenen im Bereich Wasser**
V07 M. Seidel, Garching/DE, S. Agrawal, Darmstadt/DE, J. Ho, Karlsruhe/DE, A. Nocker, Mühlheim/DE, C. Schreiber, Ratingen & Bonn/DE, C. Wurzbacher, Garching/DE, N. Zacharias, Bonn/DE

Poster presentation

AbR-05, AbR-07, AbR-10, AbR-11

2:50 p.m. **POSTER CORE TIME & EXHIBITION /
COFFEE BREAK**

PROGRAM

Monday, May 6, 2024

Wastewater

Chair: M. Scheurer

Großer Saal

3:45 p.m. **Biologischer Abbau von wasserlöslichen Polymeren im Abwasser: Effekt von ausgewählten Protokollvariationen**

V08

A. Kintzi, Wien/AT, M. Zumstein, Wien/AT

4:05 p.m. **Reduction of pathogens and (antibiotic-resistant) bacteria in advanced sewage treatment by membrane bioreactor systems and retention soil filters**

V09

S. M. Essert, Bonn/DE, N. Zacharias, Bonn/DE, L. Lüchtfeld, Bonn/DE, T. Kistemann, Bonn/DE, N. T. Mutters, Bonn/DE, A. Ahring, Bergheim/DE, D. Seiger, Bergheim/DE, C. Schreiber, Bonn/DE

4:25 p.m. **Persulfate activation by biochar for trace organic contaminant removal from urban stormwater**

V10

Y. Zhuang, Berlin/DE, S. Haderlein, Tübingen/DE, H. Lutze, Darmstadt/DE, S. Spahr, Berlin/DE

4:45 p.m. **Investigating the effect of intrinsically formed free available chlorine on pollutant degradation during oxidative water treatment with chlorine dioxide**

V11

M. S. Abdighahroudi, Darmstadt/DE, M. Yin, Darmstadt/DE, H. V. Lutze, Darmstadt/DE

Poster presentation

NaMp-01, NaMp-03, NaMp-06, NaMp-07

General meeting

5:45 p.m. **General meeting**

Großer Saal

Colorful Night of Posters

7:30 p.m. **Colorful Night of Posters with evening snack and Science Slam**

Foyer

PROGRAM

Tuesday, May 07, 2024

Drinking water

Chair: R. Winzenbacher

Großer Saal

9:00 a.m. **Oxidation processes for micropollutant abatement: An Eldorado for environmental chemists**

V12

U. von Gunten, Dübendorf/CH

9:40 a.m. **Entfernung von Perfluoralkylsäuren mittels Kombinationsverfahren aus Aktivkohle und Anionenaustausch für eine nachhaltigere Trinkwasseraufbereitung**

V13

L. Lesmeister, Karlsruhe/DE, M. Riegel, Karlsruhe/DE

10:00 a.m. **Ist die Entfernung von Selen(VI) in einer Pilotanlage zur Aufbereitung von eisen- und manganhaltigem Grundwasser möglich?**

V14

A. Steuer, Berlin/DE, D. Mahringer, Berlin/DE, A. S. Ruhl, Berlin/DE

Poster presentation

TrAu-02, TrAu-08, TrAu-09

10:30 a.m. **POSTER CORE TIME & EXHIBITION / COFFEE BREAK**

PROGRAM

Tuesday, May 07, 2024

Drinking water

Chair: S. Spahr

Großer Saal

11:30 a.m. **NOM electrosorption on electrically conductive polyacrylonitrile membranes in dead-end ultrafiltration system**
V15
M. Usman, Hamburg/DE, S. Glass, Geesthacht/DE,
V. Filiz, Geesthacht/DE, M. Ernst, Hamburg/DE

11:50 a.m. **Entfernung von Vanadium und Blei aus Trinkwasser durch Adsorption an granuliertem Eisenhydroxid**
V16
C. Bahr, Osnabrück/DE

12:10 p.m. **Melamin im Wasserkreislauf – Vorkommen und Toxikologische Bewertung für das Trinkwasser**
V17
W. Seitz, Langenau/DE, J. Kuckelkorn, Bad Elster/DE,
T. Lucke, Langenau/DE, T. Bader, Langenau/DE,
R. Winzenbacher, Langenau/DE

12:30 p.m. **Analytik von PFAS in Trinkwasser nach EN 17892 – Der Weg von der Forschungsmethode zur Europäischen Norm**
V18
U. Borchers, Mülheim (Ruhr)/DE

Poster presentation

TrAu-12, Hyg-01, Flu-04

1:00 p.m. POSTER CORE TIME & EXHIBITION / LUNCH BREAK

PROGRAM

Tuesday, May 07, 2024

Sanitation and microbiology

Chair: A. Kämpfe

Großer Saal

2:05 p.m. **Chlorination of Swimming Pool Water: Kinetics of Chloroform Formation using Indicator Compounds**
V19
T. Schlosser, Kiel/DE, H.-R. Volpp, Heidelberg/DE,
L. Erdinger, Heidelberg/DE

2:25 p.m. **Wastewater-Based Epidemiology in the One Health Framework: Long-term analysis of potential and current biomarkers in Southern Germany**
V20
A. Uchaikina, Garching/DE, L. T. Maciossek, Garching/DE, C. Wurzbacher, Garching/DE,
J. E. Drewes, Garching/DE

2:45 p.m. **Chlorination of Quorum Sensing Molecules: Kinetics and Transformation Pathways**
V21
N. G. Keltsch, Koblenz/DE, C. Dietrich, Koblenz/DE,
A. Wick, Koblenz/DE, W. Tremel, Mainz/DE,
T. A. Ternes, Koblenz/DE

Poster presentation

Schad-11, Schad-13, Schad-21

3:20 p.m. POSTER CORE TIME & EXHIBITION / COFFEE BREAK

Waters

Chair: S. Sturm

Großer Saal

4:15 p.m. **Empfindlichkeit der Grundwasservorkommen gegenüber Pflanzenschutzmittel-Einträgen in Wasserschutzgebieten Baden-Württembergs**
V22
J. Bauer, Karlsruhe/DE, E. Snjaric, Karlsruhe/DE,
T. Fischer, Karlsruhe/DE, S. Sturm, Karlsruhe/DE

Tuesday, May 07, 2024

- 4:35 p.m. **Attenuation of trace organic compounds along specific hyporheic flow paths**
V23
C. J. Reith, Berlin/DE, S. Spahr, Berlin/DE,
A. Putschew, Berlin/DE, J. Lewandowski, Berlin/DE
- 4:55 p.m. **Vorkommen, Verteilung und Verbleib von Polyvinylchlorid in Gewässern**
V24
J. Kamp, Koblenz/DE, G. Dierkes, Koblenz/DE,
A. Wick, Koblenz/DE, T. A. Ternes, Koblenz/DE
- 5:15 p.m. **Biodegradation of tire particles and their chemicals in soil and suspension; a long-term study for two years**
V25
S. Weyrauch, Leipzig/DE, S. Weyrauch, Leipzig/DE,
B. Seiwert, Leipzig/DE, T. Reemtsma, Leipzig/DE

Wednesday, May 8, 2024

Ecotoxicology

Chair: R. Fliege

Großer Saal

- 9:00 a.m. **Effektbasierte Methoden zur Effizienzkontrolle beim Ausbau von Kläranlagen mit einer 4. Reinigungsstufe**
V26
S. Schiwy, Frankfurt/DE, R. Treibskorn, Tübingen/DE
- 9:20 a.m. **Virtual effect directed analysis of wastewater effluents: Linkage of chemical and toxicological fingerprints**
V27
S. Tisler, Copenhagen/DK, K Kilpinen, Vejen/DK,
M. Castro, Copenhagen/DK, J. Lundqvist, Uppsala/SE,
M. B. Jørgensen, Copenhagen/DK,
N. Cedergreen, Copenhagen/DK, J. H. Christensen, Copenhagen/DK
- 9:40 a.m. **Auswirkungen von antikoagulanten Rodentiziden auf Regenbogenforellen**
V28
H. Schmieg, Wielenbach/DE, H. Schrader, Wielenbach/DE,
H. Ferling, Wielenbach/DE, J. Regnery, Koblenz/DE,
A. Friesen, Dessau/DE, J. Schwaiger, Wielenbach/DE
- 10:00 a.m. **Berücksichtigung pH-abhängiger Eigenschaften ionisierbarer Umweltchemikalien bei deren Toxizitätsbeurteilung in aquatischen Systemen**
V29
H.-R. Köhler, Tübingen/DE, A. Kroll, Dübendorf/CH,
P. C. von der Ohe, Dessau-Roßlau/DE
- 10:20 a.m. **Standardisation – fundament for change**
V30
S. Buchinger, Koblenz/DE, G. Reifferscheid, Koblenz/DE
- 10:40 a.m. **Poster Award**
- 10:55 a.m. **EXHIBITION / COFFEE BREAK**

Wednesday, May 8, 2024

Trace pollutants

Chair: H. Lutze

Großer Saal

- 11:45 a.m. **Stoffe aus kommunalen Kläranlagen und aus Industrie und Gewerbe in der Schweiz: Einträge in die Gewässer reduzieren**
V31 S. Zimmermann-Steffens, Bern/CH, D. Dominguez, Bern/CH, F. Soltermann, Bern/CH, P. Wunderlin, Dübendorf/CH, R. Gulde, Dübendorf/CH, F. Eugster, Dübendorf/CH, H. Singer, Dübendorf/CH
- 12:05 p.m. **Aminopolyphosphonate im Wandel – Vielfältige Transformationsmöglichkeiten in Abwasser und Umwelt**
V32 L. Engelbart, Tübingen/DE, C. Huhn, Tübingen/DE, S. Bieger, Tübingen/DE, H. Rügner, Tübingen/DE, P. Steinbuch, Tübingen/DE, M. Kramer, Tübingen/DE, T. Bader, Langenau/DE, M. Flörs, Langenau/DE, A. Röhnel, Tübingen/DE, P. Martin, Tübingen/DE, J. Schaper, Tübingen/DE, S. Haderlein, Tübingen/DE
- 12:25 p.m. **Kombination von Target-Analytik und Non-Target Screening – ein neuer PFAS-spezifischer Ansatz für das behördliche Umweltmonitoring**
V33 H. Ulrich, Wielenbach/DE, A. Macherius, Augsburg/DE, M. Sengl, Augsburg/DE, T. Letzel, Augsburg/DE, U. Kunkel, Augsburg/DE
- 12:45 p.m. **Ad-hoc assessment of Non-Target Screening data for regulatory water monitoring of the future**
V34 A. L. Kronsbein, Berlin/DE, A. Badry, Berlin/DE, K.S. Jewell, Koblenz/DE, T. Schulze, Berlin/DE, E. Rosenheinrich, Berlin/DE, A. Wick, Koblenz/DE, N. Bandow, Berlin/DE, J. Koschorreck, Berlin/DE
- 1:05 p.m. **Closing words**

Wastewater treatment processes

- AbR-01 **Greywater Treatment in Redox – Differentiated Green Roof Systems**
S. Derado, Leipzig/DE, C. Ding, Leipzig/DE
- AbR-02 **Low cost adsorbents from agricultural waster for removal of organic pollutants**
A. Taubert, Potsdam/DE, I. Block, Potsdam/DE, C. G. Olorunnisola, Potsdam/DE, M. Adesina, Potsdam/DE, D. Olorunnisola, Potsdam/DE, H. M. Rawel, Potsdam/DE, E. I. Unuabonah, Ede/NG
- AbR-03 **Development of a technology concept for the treatment of industrial process water by means of a photocatalytically assisted low-temperature plasma**
G. Jacob, Dresden/DE, S. Schönekerl, Dresden/DE, A. Lerch, Dresden/DE
- AbR-04 **XGBoost as a machine learning algorithm reveals promising results in effluent totalphosphorous prediction in wastewater treatment plant**
A. Bagheri, Tehran/IR, M. Gholizadeh, Tehran/IR, R. Saeedi, Tehran/IR, M. Amiri, Tehran/IR, A. Joghataei, Tehran/IR
- AbR-05 **Elimination of faecal indicators, antibiotic resistance genes and viruses in a multi-barrier water treatment system for non-potable water reuse**
J. Ho, Karlsruhe/DE, J. M. Ahmadi, München/DE, C. Schweikart, Karlsruhe/DE, J. E. Drewes, München/DE, A. Tiehm, Karlsruhe/DE
- AbR-06 **Chlorine dioxide oxidation of DNA nucleobases and their model aromatic N-containing heterocycles**
M. Yin, Darmstadt/DE, M. S. Abdighahroudi, Darmstadt/DE, M. Jütte, Darmstadt/DE, T. C. Schmidt, Essen/DE, H. V. Lutze, Darmstadt/DE

- AbR-07 **Zusammensetzung von häuslichem Schmutzwasser aus abflusslosen Sammelgruben in Brandenburg**
A. Görnt, Berlin/DE, T. Wilkes, Münster/DE,
 S. Pabst, Berlin/DE, D. Dittmann, Berlin/DE,
 J. Haberkamp, Münster/DE, A. S. Ruhl, Berlin/DE
- AbR-08 **Development of a circulating flow-reactor for studying the photocatalytic degradation of antibiotic residues**
M. S. Leupold, Essen/DE, L. Fischer, Essen/DE,
 A. Asghar, Essen/DE, T. C. Schmidt, Essen/DE
- AbR-09 **Bildung von Desinfektionsnebenprodukten bei der chemischen Reinigung eines Membranbioreaktors**
A. Bauer, Berlin/DE, D. Kaczmarek, Berlin/DE,
 S. Krause, Darmstadt/DE, J. Haberkamp, Münster/DE,
 A. Ruhl, Berlin/DE
- AbR-10 **AktivFlock – eine Kombination von Flockung und Oxidation zur weitergehenden Behandlung von Kläranlagenabläufen**
P. Debusmann, Darmstadt/DE, C. Kim, Incheon/KP,
 S. Abdighahroudi, Darmstadt/DE, J. Schumacher,
 Hanau/DE, H. Lutze, Darmstadt/DE
- AbR-11 **Multiresistente Bakterien in klinischem und nicht-klinischem Abwasser**
N. Zacharias, Bonn/DE, L. Freier, Bonn/DE,
 T. Kistemann, Bonn/DE

Drinking water treatment and distribution

- TrAu-01 **Desalination of salt water via mechanical forces acting on a polymer hydrogel and the inverse to build an osmotic engine**
M. Wilhelm, Karlsruhe/DE, J. Höpfner, Karlsruhe/DE,
 L. Arens, Karlsruhe/DE, K. Schlag, Karlsruhe/DE,
 C. Pfeifer, Karlsruhe/DE, H. Zhang, Karlsruhe/DE,
 C. Fengler, Karlsruhe/DE, A. Jangizehi, Karlsruhe/DE

- TrAu-02 **pH-Swing Ad- & Desorption von natürlichen organischen Stoffen (NOM) mittels makroporösen Ionenaustauschermembranen**
J. Wullenweber, Hamburg/DE, J. Bennert, Hamburg/DE, A. Grieb, Hamburg/DE, M. Ernst, Hamburg/DE
- TrAu-03 **Autotrophe Denitrifikation mittels bioelektrochemischem System zur Grundwasseraufbereitung**
N. Lüdemann, Hamburg/DE, M. Ernst, Hamburg/DE
- TrAu-04 **Efficiency Enhancement and Quality Improvement of Reverse Osmosis Permeate Using Some Simple Modifications and Optimization**
A. Bagheri, Tehran/IR, R. Asgari, Qazvin/IR,
 M. Amiri, Tehran/IR, A. Joghataei, Tehran/IR
- TrAu-05 **Assessing the Feasibility of Experimental Procedures Proposed by the EFSA/ECHA Guidance on the Impact of Water Treatment Processes on Plant Protection Product Residues in Raw Water**
D. Pelzer, Monheim (Rhein)/DE, M. Kubicki,
 Monheim (Rhein)/DE, A. Michel, Limburgerhof/DE,
 P. Helmer, Limburgerhof/DE, M. Swift, Abingdon/GB,
 T. Boulwood, Bracknell/GB
- TrAu-06 **Impact of drinking water treatment on residues of active substances and metabolites: new regulatory requirement for pesticides and biocides**
A. Michel, Limburgerhof/DE, T. Schroeder,
 Limburgerhof/DE, D. Pelzer, Monheim (Rhein)/DE,
 D. Schaefer, Monheim (Rhein)/DE, M. Swift,
 Abingdon/GB, N. Zenz, Basel/CH, S. Leslie,
 Harrogate/GB, S. Gaulier, Reading/GB
- TrAu-07 **Modellierung der konkurrierenden Adsorption von per- und polyfluorierten Alkylsubstanzen (PFAS) und gelöstem organischen Kohlenstoff (DOC) an Aktivkohle**
A. Sperlich, Berlin/DE, F. Rückbeil, Berlin/DE,
 J. Jung, Berlin/DE, F. Zietzschmann, Berlin/DE,
 R. Gnirss, Berlin/DE, A. S. Ruhl, Berlin/DE

- TrAu-08 **Employing rapid infiltration trench technology to establish stable redox conditions in a heterogeneous aquifer for potable water production**
J. Aniol, Garching/DE, J. Greskowiak, Oldenburg/DE, U. Hübner, Herford/DE, S. Sperlich, Berlin/DE, J. Filter, Berlin/DE, H. Gerdes, Darmstadt/DE, M. Ergh, Darmstadt/DE, J. E. Drewes, Garching/DE
- TrAu-09 **The investigation of the kinetics of ozone and peroxymonosulfate reaction**
J. Ji, Darmstadt/DE, H. Lutze, Darmstadt/DE
- TrAu-10 **Flockungsmittelkrise - Untersuchungen zur Flockung von Donauwasser mit Aluminiumsulfat**
T. Lucke, Langenau/DE, J. Mannes, Langenau/DE, R. Winzenbacher, Langenau/DE
- TrAu-11 **UV irradiation of chlorite: Radical generation, inorganic products, and transformation of micropollutants**
J. Wenk, Bath/GB, H. Lutze, Darmstadt/DE, R. Zhao, Bath/GB, J. Chew, Bath/GB, J. Hofman, Bath/GB
- TrAu-12 **Size-exclusion ideal adsorbed solution theory for adsorption prediction of micropollutants of different molecular weight**
B. M. Aumeier, Garching/DE, N. Tenberken, Aachen/DE, T. Wintgens, Aachen/DE
- TrAu-13 **Kinetik der direkten Reaktion von Vanadat, Chromat und Permanganat mit Graphen-Nanoplatelets zur Anwendung in der Wasseraufbereitung**
N. Konradt, Düsseldorf/DE, D. Konradt, Bochum/DE, D. Schroden, Düsseldorf/DE, U. Hagemann, Duisburg/DE, M. Heidemann, Duisburg/DE, H.-P. Rohns, Düsseldorf/DE, C. Wagner, Düsseldorf/DE

Analytical methods

- An-01 **QUOVADIS-LAB: Trinkwasseranalytik in der Zukunft – wo geht die Reise hin?**
N. Löffler, Karlsruhe/DE, U. Borchers, Mülheim/DE, F. Sacher, Karlsruhe/DE
- An-02 **Analysing highly polar trace substances in water by ion chromatography high resolution mass spectrometry**
J. Flottmann, Langenau/DE, R. Schmidt, Aalen/DE, T. Schips, Langenau/DE, T. Bader, Langenau/DE, W. Seitz, Langenau/DE, T. C. Schmidt, Essen/DE, R. Winzenbacher, Langenau/DE
- An-03 **Mikrobiologische Sensorvorrichtung zur Echtzeitbestimmung der gelösten Sauerstoffkonzentration im Langzeitbetrieb**
V. Schmalz, Dresden/DE, D. Haaken, Dresden/DE, S. Stolte, Dresden/DE
- An-04 **Welche Schadstoffe gelangen langfristig in unser Grundwasser? Charakterisierung von per- und polyfluorierten Alkylsubstanzen in AFFF-kontaminiertem Boden durch photokatalytische Oxidation (PhotoTOP)**
C. Capitain, Tübingen/DE, C. Zwiener, Tübingen/DE
- An-05 **Digitale Probenarchive als Grundlage zur schnellen, retrospektiven Relevanzprüfung neuer organischer Spurenstoffe in 456 Flusswasserkörpern**
U. Kunkel, Augsburg/DE, J. Wicht, Augsburg/DE, V. Ivenz, Hof/DE, M. Sengl, Augsburg/DE
- An-06 **SWIEET – Eine salzfreie Alternative für QuEChERS**
N. Kalinke, Tübingen/DE, P. Stopper, Tübingen/DE, J. Caspers, Tübingen/DE, L. Völkl, Tübingen/DE, F. Diehl, Tübingen/DE, J. Hanenberg, Tübingen/DE, C. Huhn, Tübingen/DE
- An-07 **Photoinduced degradation of oxytetracycline – A uni- and multivariate kinetic study**
M. Voigt, Krefeld/DE, J.-M. Dluziak, Krefeld/DE, N. Wellen, Krefeld/DE, V. Langerbein, Krefeld/DE, M. Jaeger, Krefeld/DE

- An-08 **A novel sampling technique based on SPME/GC for degeneration products of sulphur mustard in seabed**
C. Lentz, Göttingen/DE, A. Schumann, Einbeck/DE, F. Ude, Einbeck/DE, H. Wackerbarth, Göttingen/DE
- An-09 **Large volume difficult matrix injection for the multi-residue analysis of untreated extracts of suspended solids and biota**
D. Krüger, Koblenz/DE, G. Dierkes, Koblenz/DE, A. Wick, Koblenz/DE, T. Ternes, Koblenz/DE
- An-10 **Non-Target-Analytik zur Überwachung der Oberflächen- und Grundwasserqualität im Oberrheingraben**
M. Scheurer, Karlsruhe/DE, R. Stephan, Karlsruhe/DE, J. Heimler, Karlsruhe/DE
- An-11 **15N-Isotope Analysis of Sulfonamides by Derivatization-Gas Chromatography-Isotope Ratio Mass Spectrometry**
A. Canavan, Garching/DE, M. Elsner, Garching/DE
- An-12 **Cartridge-based flow cytometry for the analysis of total cell count to examine biocide efficiency in process water**
Y. Liang, Garching/DE, L. Heining, Garching/DE, M. Seidel, Garching/DE
- An-13 **SFC gekoppelt mit hochauflösender Massenspektrometrie – Der neue Goldstandard für das polaritätserweiterte Non-Target Screening**
S. Bieber, Augsburg/DE, T. Letzel, Augsburg/DE
- An-14 **Quantifizierung von über 100 Analyten in verschiedenen aquatischen Umweltmatrizes mittels überkritischer Fluidchromatographie und Tandem-Massenspektrometrie**
N. Günther, Koblenz/DE, M. Schulz, Koblenz/DE, M. P. Schlüsener, Koblenz/DE, N. G. Keltsch, Koblenz/DE, T. A. Ternes, Koblenz/DE, A. Wick, Koblenz/DE

- An-15 **Data Processing Algorithm for Nanoparticle Characterization using Single Particle Inductively Coupled Plasma Mass Spectrometry**
N. Nusser, Idstein/DE, S. Huppertsberg, Idstein/DE, S. Wagner, Idstein/DE
- An-16 **Ni-wall coated microreactor to Increase Sensitivity and Selectivity and to Facilitate GCxGC for Compound-specific Isotope Analysis (CSIA)**
H. Al-Ghoul, Garching/DE, M. Elsner, Garching/DE
- An-17 **Quarzkristall-Mikrowaage gekoppelt mit Hochleistungsflüssigkeitschromatographie zur Optimierung der Probenvorbereitung für substanzspezifische Isotopenanalyse**
C. Wabnitz, Garching/DE, W. Chen, Garching/DE, R. Bakkour, Garching/DE, M. Elsner, Garching/DE
- An-18 **Deutsche Einheitsverfahren, Loseblattsammlung, Normung**
F. Brauer, Berlin/DE

Detection/fate of nanoparticles and microplastics

- NaMp-01 **Mikroplastikbelastung von Wildfischen und ihren Lebensräumen**
M. Kunaschk, Wielenbach/DE, J. Schwaiger, Wielenbach/DE
- NaMp-02 **Comparison of Filters for the Analysis of Microplastics with Raman Microspectroscopy**
I. S. Jüngling, Garching/DE, M. Elsner, Garching/DE, N. P. Ivleva, Garching/DE
- NaMp-03 **Polyethylen überall! Wirklich?**
G. Dierkes, Koblenz/DE, T. Lauschke, Koblenz/DE, J. Kamp, Koblenz/DE, P. N. Schweyen, Koblenz/DE, A. Wick, Koblenz/DE, T. A. Ternes, Koblenz/DE
- NaMp-04 **Entfernung von Mikroplastik-Partikeln bei der Flockung von Elbewasser**
C. Rau, Dresden/DE, R. Upadhyay, Dresden/DE, T. Grischek, Dresden/DE

- NaMp-05 **Investigating Adverse Effects of Disinfectants on Polyamide Membranes in Reverse Osmosis Systems Using Raman-based Approaches**
M. Klotz, Garching/DE, M. Huber, Garching/DE, N. P. Ivleva, Garching/DE, M. Elsner, Garching/DE
- NaMp-06 **Quantifizierung von Mikroplastik in Toilettenpapier: Frischfaser versus Recyclingfaser**
P. Schweyen, Koblenz/DE, T. Lauschke, Koblenz/DE, J. Kamp, Koblenz/DE, S. Becher, Koblenz/DE, A. Wick, Koblenz/DE, G. Dierkes, Koblenz/DE, T. A. Ternes, Koblenz/DE
- NaMp-07 **Transformations of Particle Associated Rubber-derived Compounds and their Impact on Exposure**
A. Sherman, Wien/AT, T. Masset, Lausanne/CH, L. Wimmer, Wien/AT, T. Hüffer, Wien/AT, F. Breider, Lausanne/CH, L. A. Dailey, Wien/AT, T. Hofmann, Wien/AT

Sanitation and microbiology

- Hyg-01 **Surveillance of Antibiotic Resistance in Aquatic Ecosystems in Europe and Africa**
C. Stange, Karlsruhe/DE, J. Ho, Karlsruhe/DE, C. Sanchez-Cid Torres, Lyon/FR, T. M. Vogel, Lyon/FR, E. Mulogo, Mbarara/UG, A. Nasser, Tel Aviv/IL, C. Nhantumbo, Maputo/MZ, R. Santos, Lissabon/PT, M. Simonsson, Uppsala/SE, A. Blanch, Barcelona/ES, A. Tiehmann, Karlsruhe/DE
- Hyg-02 **Abwasserbasierte Surveillance der SARS-CoV-2 Genkonzentration: Entwicklung eines datenbasierten Bewertungsschemas zur Verbesserung der Trenderkennung**
C. J. Saravia, Berlin/DE, N. Obermaier, Berlin/DE
- Hyg-03 **Evaluation anthropogener Marker als Normalisierungsfaktoren für die SARS-CoV-2 Abwassersurveillance zur epidemiologischen Lagebewertung**
T. Exner, Berlin/DE, U. Braun, Berlin/DE, R. J. Schneider, Berlin/DE, Z. Konthur, Berlin/DE, M. Lukas, Berlin/DE

Detection/fate of natural/anthropogenic (harmful) substances

- Schad-01 **Kommunale Rattenbekämpfung in der Kanalisation – Aktuelle Ergebnisse einer bundesweiten Umfrage**
J. Regnery, Koblenz/DE, R. Weber, Weimar/DE, S. Jacob, Dessau-Roßlau/DE, A. Friesen, Dessau-Roßlau/DE
- Schad-02 **Anwendung eines Non-Target-Screenings zur Charakterisierung sächsischer Fließgewässer und Priorisierung sowie Identifizierung unbekannter organischer Spurenstoffe industriellen Ursprungs**
T. Köppe, Koblenz/DE, N. Hermes, Koblenz/DE, K. S. Jewell, Koblenz/DE, S. Rohde, Dresden/DE, T. A. Ternes, Koblenz/DE, A. Wick, Koblenz/DE
- Schad-03 **Expanding the chromatographic range in non-target screening studies with mixed-mode stationary phases**
F. Drees, Essen/DE, M. Reuschenbach, Essen/DE, G. Renner, Essen/DE, T. C. Schmidt, Essen/DE
- Schad-04 **Preliminary investigations and analyses for the reduction of the contribution of industrial wastewaters to the water pollution with micropollutants (AiM)**
J. Prothmann, Koblenz/DE, K. Rautenberg, Koblenz/DE, T. Hillenbrand, Karlsruhe/DE, F. Marscheider-Weidemann, Karlsruhe/DE, A. Reichart, Dessau-Roßlau/DE, D. Löffler, Koblenz/DE, A. Wick, Koblenz/DE
- Schad-05 **Analyse des biotischen und abiotischen Primärabbaus von neu registrierten Antibiotika (unter realistischen Umweltbedingungen)**
C. Pohl, Dresden/DE, M. Kern, Dresden/DE, H. Börnick, Dresden/DE, S. Stolte, Dresden/DE
- Schad-06 **Non-target Screening in Böden mit PFAS-haltigen Feuerlöschschäumen (AFFF)**
M. Schüßler, Tübingen/DE, C. Capitain, Tübingen/DE, B. Bugsel, Tübingen/DE, J. Zweigle, Tübingen/DE, C. Zwiener, Tübingen/DE

- Schad-07 **Photochemische Oxidation von PFAS-Vorläufersubstanzen in Wand- und Fassadenfarben auf dem Farbpigment TiO₂: Eine Quelle für mobile PFAS-Transformationsprodukte in der Umwelt**
B. Bugsel, Tübingen/DE, L. Spilger, Tübingen/DE, J. Zweigle, Tübingen/DE, C. Zwiener, Tübingen/DE
- Schad-08 **Phthalates and tire-derived compounds in the River Danube**
V. Wilkeit, Wien/AT, C. Henkel, Montreal/CA, R. Peng, Wien/AT, T. Hofmann, Wien/AT, T. Hüffer, Wien/AT
- Schad-09 **Remobilisierungsverhalten von EDTA in schwermetallbelastetem Flusswasser**
M. Herrmann, Hildesheim/DE, A. Bauer, Hildesheim/DE, J. Hinrichs, Hildesheim/DE
- Schad-10 **PFAS-spezifisches matrixübergreifendes Suspect- und Non-Target-Screening eines durch Fluorpolymerindustrie beeinflussten Oberflächengewässers**
U. Kunkel, Augsburg/DE, A. Macherius, Augsburg/DE, H. Ulrich, Wielenbach/DE, M. Sengl, Augsburg/DE
- Schad-11 **Hat die abiotische reduktive Dehalogenierung von Arzneimitteln eine Bedeutung für die Uferfiltration?**
K. Gerundt, Berlin/DE, J. Lewandowski, Berlin/DE, F. Hellweger, Berlin/DE, A. Putschew, Berlin/DE
- Schad-12 **Transformation von Aminopolyphosphonaten auf dem Weg von der Waschmaschine über die Kläranlage in unsere Gewässer**
L. Engelbart, Tübingen/DE, S. Bieger, Tübingen/DE, H. Rügner, Tübingen/DE, P. Steinbuch, Tübingen/DE, J. Schaper, Tübingen/DE, S. Haderlein, Tübingen/DE, C. Huhn, Tübingen/DE

- Schad-13 **Innovative Methode zur zeitintegrativen Konzentrations- und Frachtberechnung in Kläranlagenablauf unter Einsatz des Rohrpassivsammlers**
T. Hensel, Berlin/DE, J.-H. Hein, Königs Wusterhausen/DE, R. Bloch, Berlin/DE, T. Reemtsma, Leipzig/DE, F. Zietzschmann, Berlin/DE
- Schad-14 **Einfluss von Badebeckenwasserinhaltsstoffe auf die Chlorzehrung und Bildung von Desinfektionsnebenprodukte**
D. Kaczmarek, Berlin/DE, A. S. Ruhl, Berlin/DE
- Schad-15 **Advanced remediation in the presence of ferrous iron and carbonate-containing water by oxygen-induced oxidation of organic contaminants**
K. Kerpen, Essen/DE, S. Joksimoski, Essen/DE, U. Telgheder, Essen/DE
- Schad-16 **Comparative wastewater-based epidemiology of three selected catchments in Frankfurt am Main**
L. Muth, Idstein/DE, S. Wagner, Idstein/DE, J. Müller, Idstein/DE, F. Christandl, Wien/AT, R. Tiwari, Hamburg/DE, P. Knödel, Idstein/DE, K. Andreas, Idstein/DE, T. P. Knepper, Idstein/DE
- Schad-17 **Bildung von Glyphosat bei der Oxidation von Diethylentriaminpenta(methylenphosphonat) (DTPMP) an Manganoxiden**
P. Martin, Tübingen/DE, A. Röhnelt, Tübingen/DE, D. Buchner, Tübingen/DE, C. Huhn, Tübingen/DE, S. Haderlein, Tübingen/DE
- Schad-18 **Advantages and limitations of a smart mobile sampling unit for sampling with temporal and spatial resolution in the sewage system**
J. Rosin, Idstein/DE, M. Greif, Idstein/DE, L. Muth, Idstein/DE, S. Wagner, Idstein/DE, M. Pütz, Wiesbaden/DE

- Schad-19 **Persistence and mobility of polar trace compounds during simulated groundwater enrichment**
A.-C. Krause, Leipzig/DE, A. Seelig, Leipzig/DE, M. Thalmann, Braunschweig/DE, D. Zahn, Leipzig/DE, A. Peters, Braunschweig/DE, S. Klitzke, Berlin/DE, A. S. Ruhl, Berlin/DE, T. Reemtsma, Leipzig/DE
- Schad-20 **Die Transformationspfade der Aminopolyphosphonate – Viele Wege führen zu Glyphosat**
S. Bieger, Tübingen/DE, L. Engelbart, Tübingen/DE, M. Kramer, Tübingen/DE, T. Bader, Langenau/DE, M. Flörs, Langenau/DE, A. Röhneilt, Tübingen/DE, P. Martin, Tübingen/DE, S. Haderlein, Tübingen/DE, C. Huhn, Tübingen/DE
- Schad-21 **Fate and microbial transformation of sulfonamide antibiotics during bankfiltration column experiments**
J. Köpke, Leipzig/DE, C. Ding, Leipzig/DE, A. S. Ruhl, Berlin/DE, L. Adrian, Berlin/DE
- Schad-22 **Per- and polyfluoroalkyl substances in Swiss rivers – a pilot study**
F. R. Storck, Ittigen/CH, J. Dey, Ittigen/CH, L. Passera, Ittigen/CH
- Schad-23 **Bundesweite Bestimmung anthropogener Marker im Rohabwasser mittels Immunoassays**
Z. Konthur, Berlin/DE, A. Ecke, Berlin/DE, A. Kerndorff, Berlin/DE, K. Hoffmann, Berlin/DE, P. Andrle, Berlin/DE, L. B. Kurt, Berlin/DE, M. Lukas, Berlin/DE, C. G. Bannick, Berlin/DE, U. Braun, Berlin/DE, R. J. Schneider, Berlin/DE

River systems, lakes/reservoirs and groundwater

- Flu-01 **Trace organic compounds in wastewater-loaded River Erpe – Top 12 findings from 12 years of research**
J. Lewandowski, Berlin/DE, S. Arnon, Midreshet/IL, A. Höhne, Berlin/DE & Perth/AU, M. A. Horn, Hannover/DE, A. Jäger, Berlin/DE, S. Krause, Birmingham/GB & Lyon/FR, A. L. Kronsbein, Berlin/DE, J. L. McCallum, Perth/AU, K. Meinikmann, Berlin/DE, B. M. Müller, Berlin/DE, G. Nützmann, Berlin/DE, M. Posselt, Stockholm/SE, A. Putschew, Berlin/DE, C. J. Reith, Berlin/DE, J. Schaper, Berlin/DE & Tübingen/DE, H. Schulz, Berlin/DE, S. Spahr, Berlin/DE, M. A. Villa Arroyave, Berlin/DE
- Flu-02 **Emission of Biocides from Old and New Bituminous Roofing Sheets**
A. M. Sheikh Asadi, Darmstadt/DE, M. Reusing, Darmstadt/DE, H. Lutze, Darmstadt/DE
- Flu-03 **Integrated Analysis for Long-Term Use of Groundwater Resources in Mexico-City**
A. Baumgärtner, Ober Ramstadt/DE, W. Urban, Darmstadt/DE, H. Al-Towaie, Darmstadt/DE, H. Lutze, Darmstadt/DE, A. M. Sheikh Asadi, Darmstadt/DE
- Flu-04 **The effects of rain events on the concentrations of selected organic pollutants in the Modau**
M. Reusing, Darmstadt/DE, H. Lutze, Darmstadt/DE, S. Abdighahroudi, Darmstadt/DE, C. Schüth, Darmstadt/DE
- Flu-05 **Occurrence of some pharmaceuticals in water of the Ishmi Basin, Albania**
A. Peqini, Tirana/AL, F. Brahushi, Tirana/AL, J. Junck, Giessen/DE, B. Heyde, Giessen/DE, R. A. Düring, Giessen/DE

(Eco)toxicological methods/studies

Ötx-01 **Wissenschaftliche Begleituntersuchung zum Ausbau der Kläranlage Tübingen mit einer 4. Reinigungsstufe auf Basis einer Ozonierung**
T. Haasis, Tübingen/DE, S. Arndt, Tübingen/DE, L. Bláha, Brno/CZ, M. Flörs, Langenau/DE, M. Frey, Mannheim/DE, S. Halm, Tübingen/DE, N. Hembach Karlsruhe/DE, P. Keller, Tübingen/DE, V. Kohlgrüber, Stuttgart/DE, H.-R. Köhler, Tübingen/DE, M. Kühne, Tübingen/DE, M. Launay, Stuttgart/DE, B. Loos, Tübingen/DE, K. Peschke, Tübingen/DE, J. A. Riedel, Tübingen/DE, Z. Schmuck, Tübingen/DE, C. Schlumberger, Tübingen/DE, T. Schwartz, Karlsruhe/DE, W. Seitz, Langenau/DE, M. Vogt, Tübingen/DE, K. Wurm, Starzach/DE, R. Triebkorn, Tübingen/DE

Ötx-02 **Ökotoxikologische Bewertung von Reifenabrieb in Niederschlagsabflüssen stark befahrener Straßen**
S. Schiwy, Frankfurt (Main)/DE, M. Schmitz, Frankfurt (Main)/DE, S. Seibold, Frankfurt (Main)/DE, A. Pape, Frankfurt (Main)/DE, S. Cüpper, Frankfurt (Main)/DE, J. Schmidt, Frankfurt (Main)/DE, S. Lechthaler, Aachen/DE, R. Dolny, Aachen/DE, V. Linnemann, Aachen/DE, M. Brinkmann, Saskatoon/CA, A. S. C. Perez, Saskatoon/CA, M. Krauss, Leipzig/DE, W. Brack, Leipzig/DE, H. Hollert, Frankfurt (Main)/DE

Ötx-03 **Flohkrebse in Zeiten des Klimawandels: Wie wirkt sich multipler Stress durch Temperaturerhöhung und Kläranlagenabwässer auf die Widerstandsfähigkeit wirbelloser Gewässerorganismen aus?**
K. Peschke, Tübingen/DE, L. Sawallich, Tübingen/DE, H.-R. Köhler, Tübingen/DE, R. Triebkorn, Tübingen/DE

ORAL PRESENTATION

A computer and a beamer will be available for presentation. For discussion presentations, there is allocated time of 15 minutes for the speech and 5 minutes for discussion. To ensure the smooth flow of the program, please adhere strictly to these times.

POSTER PRESENTATION

Poster core time:

Monday, 06.05.2024: 10:30 – 11:00 a.m.
 12:15 – 1:15 p.m.
 2:50 – 3:45 p.m.

Colourful Night of Posters 7:30 – 9:30 p.m.

Tuesday, 07.05.2024: 10:30 – 11:30 a.m.
 1:05 – 2:05 p.m.
 3:20 – 4:15 p.m.

The available poster area is approximately 118 cm in width and 146 cm in height.

Guidelines for creating a poster are available as a PDF document on our website: <http://www.wasserchemische-gesellschaft.de/de/veranstaltungen/jahrestagungen/limburg-6-8-mai-2024>

All posters will be evaluated by a committee, and the best ones will be awarded on Wednesday.

PUBLICATION OF CONTRIBUTIONS

A summary of all contributions will be included in the conference proceedings, which will be digitally provided to all participants at the beginning of the event. Additionally, some abstracts will be published in the journal „Vom Wasser“.

We initially assume that this is desired by the authors. If this is not the case, please send a brief email to the Water Chemical Society (Wasserchemische-Gesellschaft@bafg.de).

▶ CONFERENCE VENUE

Limburg City Hall
Hospitalstraße 4
65549 Limburg/Lahn

<https://www.stadthalle-limburg.de>

▶ PARTICIPATION FEES^{*)}

GDCh member and associated member of the Water Chemical Society, Member of EuChemS Member Societies	€ 340,00
Retired GDCh member and associated member of the Water Chemical Society, Member of retired EuChemS Member Societies	€ 170,00
Non-member	€ 390,00**
Retired non-member	€ 195,00**
Students (with valid student ID)	
Members	€ 100,00
Non-members	€ 140,00**
Gold Member (from 50 years of GDCh membership)	free of charge

^{*)} the participant fees are exempt from value-added tax according to § 4 No. 22a UStG.

Day tickets for the scientific program cost half of the respective participant fee.

**Non-members who join the Water Chemical Society during Water 2024 will receive a refund of the difference to the membership fee for members. Additionally, you will receive a voucher for a free visit to an annual conference of the Water Chemical Society (valid for 3 years).

Membership in the Water Chemical Society requires membership in the GDCh.

Sunday, May 5, 2024

7:00 p.m.

Get together, including forum of young researchers
Restaurant Georgs | Hospitalstr. 4 | 65549 Limburg/Lahn

<https://georgs-limburg.de/>

Participants	€ 30,00
Students	€ 10,00

Drinks at your own expense

Registration required

Please support our sustainability efforts: To avoid unnecessary disposal of surplus food, we kindly request a brief cancellation if you are unable to attend despite prior registration.

Monday May 6, 2024

2:00 p.m.

Historical city walk in Limburg
from Katzenturm to Obermühle

Duration: approx. 90 minutes
Contribution fee: € 4.00 per person

Limited number of participants

Registration required

Meeting Point:

Fountain „Ritter Hattstein“, Plötze

Monday May 6, 2024

7:30 p.m.

Night of Posters with an evening snack

Town Hall Limburg (Foyer) | Hospitalstr. 4 | 66549 Limburg/Lahn

Food provided free of charge, drinks at your own expense.

No registration required.

Please support our sustainability efforts: To avoid unnecessary disposal of surplus food, we kindly request a brief cancellation if you are unable to attend.

Tuesday, May, 7, 2024

2:00 p.m.

Cathedral tour and visit to the Diocesan Museum

Cathedral tour: 60 minutes
 Guided tour of the museum: 60 minutes
 Cost contribution: € 8.00 per person

Limited number of participants

Registration required

Meeting point

In front of the cathedral

Tuesday, May, 7, 2024

7:00 p.m.

Networking-Dinner

Pater Richard Henkes Saal
 At Missionshaus der Pallottiner
 Wiesbadener Str. 1,
 65549 Limburg/Lahn

Contribution fees: € 50,00
 Beverages: payment of your own expense

Registration required

Please join us in our commitment to sustainability:

In order to avoid the unnecessary disposal of surplus food, if you are unable to attend despite registering in advance, please let us know at short notice.

- Participant number is limited -

▶ PARTICIPATION CARDS AND CONFERENCE DOCUMENTS

Participation cards will be handed out along with the conference materials at the conference office.

In an effort to reduce the amount of paper produced, we will no longer be producing printed versions of the conference proceedings. We are sure that this is also in your interest and that you will support our efforts towards sustainability.

All participants will be able to download the proceedings in pdf format in advance of the conference.

▶ SOCIAL PROGRAM)**

Get together, including forum of young researchers 05.05.2024 Participants Students	€ 30,- € 10,-
Historical City Walk Limburg 06.05.2024	€ 4,00
Evening Snacks 06.05.2024	Food free of charge including selected drinks
Cathedral tour 07.05.2024	€ 8,00
Networking-Dinner 07.05.2024	€ 50,00

***) These items include statutory value-added tax

▶ REGISTRATION

The interested enquiries about WASSER 2024 suggest that there will be a great response to the conference again this year. We suggest to register online as soon as possible to ensure participation:

www.gdch.de/Wasser2024

GENERAL INFORMATION

GESELLSCHAFT DEUTSCHER CHEMIKER e. V.
Claudia Birkner – Event Team
Postfach 90 04 40
60444 Frankfurt am Main
Telefon: +49 69 7917-366
E-Mail: tgonline@gdch.de
Internet: www.gdch.de

Registration becomes binding upon receipt by GDCh-Events.
A separate online registration is required for each participant.

Please note that online registration is not possible if you wish to redeem a voucher. In this case, please send the voucher by post to GDCh (for the attention of Mrs Claudia Birkner). Payment is usually made by credit card or direct debit. The invoice will be sent to you separately.

If you register but pay the bill after **April 21, 2024**, please present proof of payment when collecting your documents from the conference office. Payments at the conference office can only be accepted by credit card or EC card. The following credit cards will be accepted: Amex, MASTERCARD, VISA.

If the registration is cancelled by **March 25, 2024**, € 25.00 will be charged for processing. In the event of cancellation of the registration at a later date or non-participation, refunds are unfortunately no longer possible. The full invoice amount is due.

If, contrary to expectations, the conference has to be cancelled by the GDCh – for whatever reason – any fees already paid will be fully refunded. Further claims are excluded.

▶ BANK DETAILS

GESELLSCHAFT DEUTSCHER CHEMIKER e.V.
Deutsche Bank AG
BIC: DEUTDEFFXXX
IBAN: DE36 5007 0010 0096 6416 01
Code 5055 15 / Wasser 2024

GENERAL INFORMATION

▶ ARRIVAL

In the interests of sustainability and as a contribution to reducing CO2 emissions, we generally recommend all participants to travel by Deutsche Bahn.

In cooperation with Deutsche Bahn, GDCh offers an exclusive offer for your comfortable journey to and from „Wasser 2024“.

Information and booking at www.gdch.de/bahn.

Travelling by car

Via motorway A 3 Cologne-Frankfurt, as well as the federal road 45.

▶ DRINKS DURING BREAKS

Drinks during the coffee breaks are included in the participation fees and are free of charge for participants.

▶ LUNCH

Participants will be offered lunch on own costs at Stadthalle Limburg. However, it is also possible to visit one of the neighbouring restaurants.

▶ DATA PROTECTION & IMAGE RIGHTS:

Data collected as part of the registration will be used for processing your participation in this event and for creating a participant directory. Additionally, you consent to your data being collected and used by the Gesellschaft Deutscher Chemiker e.V. (GDCh) / Water Chemical Society for the purpose of sending information about GDCh/WG events.

The personal data for the aforementioned purposes will be collected, processed, and used in accordance with the EU General Data Protection Regulation (EU GDPR). Furthermore, we would like to inform you that the collection, processing, and use of your data are voluntary.

During and before the event, photos and videos may be taken. These may be used by the GDCh / Water Chemical Society for

documentation, reporting, advertising, marketing purposes, and in connection with publications (e.g., presentations, scientific contributions, etc.).

If you do not fully or partially agree with the above use of your data, we kindly ask for a written message to the Water Chemical Society.

▶ ROOM RESERVATION

For conference attendees, room contingents are available in various price ranges. The keyword is „**Wasserchemische Gesellschaft**“.

The rooms can be accessed and booked online. The link for online reservation can be found on the event pages of the Water Chemical Society.

The number and timeframe of room contingents are limited. Therefore, we recommend booking early!

For all matters regarding reservation and payment of accommodations, the purchasers are responsible themselves. We explicitly state that the obligation to pay for ordered and unused rooms lies with the purchaser.

For information regarding program and organization, please contact us!

▶ INFORMATION REGARDING PROGRAM AND ORGANIZATION

Dr. Arne Wick
BfG – Bundesanstalt für Gewässerkunde
Am Mainzer Tor 1
56068 Koblenz

Phone: +49 261 1306-5408
E-Mail: Wasserchemische-Gesellschaft@bafg.de
Internet: <https://www.wasserchemische-gesellschaft.de>

▶ INFORMATION BEFORE AND AFTER THE EVENT

Claudia Birkner
German Chemical Society
(Gesellschaft Deutscher Chemiker e.V.)
Event Team / Wasser 2024
Varrentrapstr. 40-42
60486 Frankfurt am Main

Phone: +49 69 7917-366
E-Mail: tgonline@gdch.de

Internet: www.gdch.de/tagungen

Chief Executive Officer: Professor Dr. Wolfram Koch
Register number at the register of associations:
VR 4453 Registergericht Frankfurt am Main

▶ INFORMATION AND REGISTRATION DURING THE EVENT

The conference office is located in the foyer of the Stadthalle Limburg, Hospitalstraße 4, 65549 Limburg and will be open from Monday, May 6, 2024 at 8.00 a.m.

EXHIBITORS AND SPONSORS

