



Society of Water Chemistry

Division of the German  
Chemical Society

# Wasser 2026

92<sup>nd</sup> Annual Meeting  
marking the centenary  
of the Society of Water Chemistry

May 11 – 13, 2026  
Kiel

[www.gdch.de/wasser2026](http://www.gdch.de/wasser2026)

## ► SCIENTIFIC COMMITTEE

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|                              |              |
|------------------------------|--------------|
| <b>Thomas Ternes (Chair)</b> | Koblenz      |
| <b>Frank Brauer</b>          | Berlin       |
| <b>Martin Elsner</b>         | München      |
| <b>Ralph Fliege</b>          | Monheim      |
| <b>Regina Gnirß</b>          | Berlin       |
| <b>Elisabeth Janssen</b>     | Dübendorf/CH |
| <b>Martin Jekel</b>          | Berlin       |
| <b>Alexander Kämpfe</b>      | Bad Elster   |
| <b>Holger Lutze</b>          | Darmstadt    |
| <b>Björn Marquardt</b>       | Hamburg      |
| <b>Marco Scheurer</b>        | Karlsruhe    |
| <b>Torsten Schmidt</b>       | Essen        |
| <b>Stefanie Spahr</b>        | Berlin       |
| <b>Sebastian Sturm</b>       | Karlsruhe    |
| <b>Markus Weber</b>          | Leverkusen   |
| <b>Rudi Winzenbacher</b>     | Langenau     |
| <b>Christian Zwiener</b>     | Tübingen     |

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## INVITATION

Dear ladies and gentlemen, dear participants,

I would like to warmly invite you on behalf of the board of the Water Chemical Society to the "Wasser 2026" conference at the Atlantic Hotel in Kiel.

Kiel, the vibrant seaport at the Baltic Sea, is not only known for its maritime atmosphere and its role as a shipping hub, but also for its rich scientific tradition. Kiel's scientific institutions have been playing a significant role in the scientific community with their contributions to water quality, technology, and chemistry. The city itself combines tradition and modernity, science and nature. In 1926 the founding meeting of the Water Chemistry Society took place in Kiel. Therefore, it is here that we have decided to celebrate our 100 years anniversary.

On Sunday evening, we will begin with a get-together including a science slam on a boat, where we also offer a small snack. Additionally, on Monday afternoon I am pleased to welcome Prof. Dr. Oliver Zielinski, the Scientific Director of Helmholtz-Zentrum Hereon as well as Prof. Dr. Arne Körtzinger, the head of the Department of Chemical Oceanography from Geomar for keynote presentations.

Prof. Oliver Zielinski will speak about Coastal Seas under Change: From Challenges to Opportunities and Prof. Körtzinger will show us Marine Chemistry at Sea - Successes, Failures and Future Perspectives. Furthermore, on Monday we will host the colorful night of posters with a small snack, drinks and plenty of time for discussions at posters and exhibitors.

Of course, we will join on Tuesday evening for the networking dinner, where we will combine our social gathering with short presentations from water supply companies. Another highlight of our annual meeting in Kiel will be the keynote lecture by Dr. Rudi Winzenbacher on Tuesday morning, head of the division of laboratory for research and operational aspects from Zweckverband Landeswasserversorgung. He will summarize the history of drinking water treatment processes.

The combination of water treatment and wastewater treatment with a focus on analysis, water chemistry and technology, microbiology, and (eco-)toxicology gives our Water Chemistry Society its special appeal. Through interdisciplinary research projects we gain valuable insight that often goes far beyond our own field. This multidisciplinary approach is reflected not only in our annual meeting, but also in our two main committees. The main committee "Research" develops innovative research approaches in the various fields, while the main committee "Analytical Methods – Development and Standardization" standardizes measurement and testing methods that are necessary, among other things, to meet legal requirements.

Noteworthy are also the activities of the Young Water Forum (JWF), in which young researchers within the Water Chemistry Society organize themselves. On Sunday, May 10, 2026, a networking activity of the JWF will take place, and on Tuesday, May 12, 2026, the career lunch.

I feel that our scientific committee has compiled an exciting program for "Wasser 2026". I am looking forward to personally exchanging ideas with you, discussing, and/or simply chatting. After all, we are a large family of friends connected by working on water topics.

Prof. Dr. Thomas Ternes

Chairman of the Society of Water Chemistry,  
Federal Institute of Hydrology, Koblenz

# PROGRAM

Monday, May 11, 2026

- 9:00 a.m. **Opening** Lecture Hall (Förde)  
Musical introduction  
**Welcome**  
Chairman of the Society of Water Chemistry  
**Speeches**  
From Politics, Business, and Authorities  
**Awards**  
Award of Willy Hager Foundation:  
• Willy Hager PhD Award  
Awards of Walter-Kölle-Foundation:  
• Master thesis  
• PhD  
• Society of Water Chemistry  
Batch of Honor for life's contribution  
Musical Conclusion

- 11:00 a.m. **POSTER SESSION AND EXHIBITION /  
COFFEE BREAK**

## Award Session

*Chair: T. Ternes* Lecture Hall (Förde)

- 11:30 a.m. **Willy-Hager Prize**  
**Auswirkungen industrieller Chemikalien auf  
anaerobe Granula – Inhibitionsmechanismen  
und Gegenmaßnahmen**  
S. Fundneider-Kale, Reichenburg/CH
- 11:45 a.m. **Promotionspreis**  
**Transformation Products of Micropollutants in  
the Aquatic Environment: Highly Prevalent but  
Commonly Overlooked**  
F. Freeling, Karlsruhe/DE
- 12:00 p.m. **Fachgruppenpreis**  
**From risk to resource: advancing urban  
stormwater capture and treatment for water  
supply**  
S. Spahr, Berlin/DE

## PROGRAM

Monday, May 11, 2025

12:15 p.m. **Poster Pitches Rivers and Lakes** Lecture Hall (Förde)  
WAT-02, WAT-07

12:30 p.m. POSTER CORE TIME & EXHIBITION /  
COFFEE BREAK

### Marine Chemistry

*Chairs: T. Ternes/B. Marquardt* Lecture Hall (Förde)

1:30 p.m. **Coastal Seas under Change: From Challenges  
V04 to Opportunities**  
O. Zielinski, Geesthacht/DE

2:00 p.m. **Marine Chemistry at Sea – Successes, Failures  
V05 and Future Perspectives**  
A. Körtzinger, Kiel/DE

2:30 p.m. **Tales of the Tides: Pattern-Based Non-Target  
V06 Analysis in the Elbe River**  
J. R. L. Schneider, Hamburg/DE, K. Kümmerer,  
Lüneburg/DE, J. Logemann, Hamburg/DE,  
M. Radke, Hamburg/DE

2:50 p.m. **Tracing emissions from offshore wind farms-  
V07 A novel multi parameter approach combining  
metal concentrations and drift simulations for  
source assignment in the marine environment**  
D. Wippermann, Geesthacht/DE, A. Ebeling, Geest-  
hacht/DE, T. Zimmermann, Geesthacht/DE,  
D. Prüfrock, Geesthacht/DE

3:10 p.m. **Poster Pitches Microplastic** Lecture Hall (Förde)  
MP-01, MP-02

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

## PROGRAM

Monday, May 11, 2026

### Rivers and Lakes

Chair: S. Sturm

Lecture Hall (Förde)

- 4:15 p.m. **Potentielle Auswirkungen der neuen UQN-Richtlinie auf die Flussgebiete Emscher, Lippe und Ruhr**  
V08  
C. Härtel, Essen/DE, J. Türk, Essen/DE
- 4:35 p.m. **Dynamics of Micropollutants, Microplastics and, High-Affinity Particulate Matter in the Sea of Galilee**  
V09  
S. Primpke, Helgoland/DE, I. Ostrovsky, Migdal/IL, E. Kurashov, Migdal/IL, Y. Krylova, Migdal/IL, Y. Amitai, Migdal/IL, S. Heilgeist, Helgoland/DE, M. Pogojeva, Helgoland/DE, F. Yasmin, Helgoland/DE, R. Bergmann, Helgoland/DE, G. Gerdt, Helgoland/DE, D. Angel, Haifa/IL, P. Astrahan, Migdal/IL
- 4:55 p.m. **Einfluss der Mischwasserentlastung bei Starkregen auf die Mikroplastikkonzentration im Gewässer**  
V10  
M. Kunaschk, Augsburg/DE, J. Schwaiger, Wielenbach/DE
- 5:15 p.m. **Poster Pitches (Bio-)Analytics**  
Ana-05, Ana-10, Ana-11, Ana-13, Ana-15

### General Assembly

- 5:45 p.m. **General Assembly / Mitgliederversammlung**  
Lecture Hall (Förde)

### Colorful Night of Posters

- 7:00 p.m. **Colorful Night of Posters with Evening Snack and Evening Lecture**  
Lecture Hall (Hörn)

## PROGRAM

Tuesday, May 12, 2026

9:00 a.m. **Anniversary Greetings** Lecture Hall (Förde)

9:35 a.m. **100 Jahre Trinkwasseraufbereitung in Deutschland**  
R. Winzenbacher, Langenau/DE

10:05 a.m. **Poster Pitches Drinking Water**  
W-06, DW-08, DW-12, DW-13

10:20 a.m. **POSTER SESSION & EXHIBITION / COFFEE BREAK**

### Drinking Water

*Chairs: R. Gnirß, E. Janssen* Lecture Hall (Förde)

11:10 a.m. **Naturnahe Flockungsmittel als Alternative zu V12 Metallsalzen und Polyacrylamid in der Trinkwasseraufbereitung**  
K. Kallies, Berlin/DE, M. Hörmann, Langenau/DE,  
A. Hackmann, Berlin/DE, R. Wickel, Berlin/DE,  
A. S. Ruhl, Berlin/DE, R. Winzenbacher, Langenau/DE

11:30 a.m. **Comparative Study on the Effectiveness of V13 Phosphorus-Free Antiscalants in Preventing  $\text{CaCO}_3$  and  $\text{CaSO}_4$  Scaling**  
B. Bremecker, Hamburg/DE, B. Wendler, Hamburg/DE, M. Ernst, Hamburg/DE

11:50 a.m. **Surface modified clay and anion exchange resin V14 for water treatment – assessment of removal and migration of PFAS and other organic micropollutants at pilot scale**  
A. C. Hartmann, Koblenz/DE, F. E. Rückbeil, Berlin/DE, C. Dietrich, Koblenz/DE, A. Sperlich, Berlin/DE, A. Wick, Koblenz/DE, R. Gnirß, Berlin/DE, A. S. Ruhl, Berlin/DE, T. A. Ternes, Koblenz/DE

12:10 p.m. **The surprising reaction kinetics of organic V15 sulfur compounds with ozone in aqueous phase**  
S. A. Rath, Milano/IT, M. L. Halder, Dübendorf/CH, U. von Gunten, Dübendorf/CH

## PROGRAM

Tuesday, May 12, 2026

12:30 p.m. **Poster Pitches Drinking Water + Trace Substances**

DW-01, Sub-06, Sub-14, Sub-20

12:45 p.m. POSTER SESSION, EXHIBITION,  
CAREER LUNCH JWF AND LUNCH BREAK

### Trace Substances

*Chair: H. Lutze*

Lecture Hall (Förde)

2:00 p.m. **Benthic cyanobacteria - the hidden death factor at the bottom of our waterways**  
V16

S. Grundmüller, Dübendorf/CH, K. Luong,  
Dübendorf/CH, E. M.-L. Janssen, Dübendorf/CH

2:20 p.m. **Gewässersedimente – Zeitkapseln für stoffliche Belastungen der Vergangenheit? Analyse und Bewertung von Hafensedimenten in NRW**  
V17

M. Reuschenbach, Duisburg/DE, N. Brennholt,  
Duisburg/DE, J. Rosenbaum-Mertens, Duisburg/  
DE, J. Lowis, Duisburg/DE, F. Vietoris, Duisburg/DE

2:40 p.m. **Structural variations in antihypertensive drugs influence the kinetics and pathways of their enzymatic biotransformation in wastewater**  
V18

M. C. Eiser, Vienna/AT, M. Zumstein, Vienna/AT

3:00 p.m. **Mechanistic Studies of Bitumen-Integrated Photocatalysis for Micropollutant Degradation in Roof Runoff**  
V19

A. M. Sheikh Asadi, Darmstadt/DE, M. S. Abdi,  
Darmstadt/DE, H. Lutze, Darmstadt/DE

3:20 p.m. **Poster Pitches Wastewater**  
WW-02, WW-05, WW-08, WW-12

3:35 p.m. POSTER SESSION & EXHIBITION /  
COFFEE BREAK

# PROGRAM

Tuesday, May 12, 2026

## Ecotoxicology

Chair: R. Fliege

Lecture Hall (Förde)

- 4:30 p.m. **Impact of Climate Change-Driven Extreme Weather and Wastewater Inputs on the Resilience of *Gammarus fossarum***  
V20  
D. Buser, Tübingen/DE, S. Kraiss, Tübingen/DE, K. Peschke, Tübingen/DE, H.-R. Köhler, Tübingen/DE, R. Triebkorn, Tübingen/DE
- 4:50 p.m. **Chemical and Toxicological Fingerprinting of Tire Leachates and Street Runoff**  
V21  
Y. Liu, Berlin/DE, B. Escher, Leipzig/DE, S. Spahr, Berlin/DE
- 5:10 p.m. **Umweltverträglichkeit stofflicher Emissionen aus Schlauchwehrmembranen**  
V22  
A. M. Bell, Koblenz/DE, C. Brüggemann, Koblenz/DE, A. Wick, Koblenz/DE, S. Buchinger, Koblenz/DE, T. A. Ternes, Koblenz/DE
- 5:30 p.m. **Poster Pitches Wastewater**  
WW-11, WW-18

# PROGRAM

Wednesday, May 13, 2026

## (Bio-)Analytics

Chair: A. Kämpfe

Lecture Hall (Förde)

- 9:00 a.m. **Oxygen Isotope Analyses of Phosphate and Organophosphorus Compounds from Aqueous Matrices by ESI-Orbitrap Mass Spectrometry**  
V23 N. M. Bernet, Dübendorf/CH, T. B. Hofstetter, Dübendorf/CH
- 9:20 a.m. **Orbitrap Mass Spectrometry for Fragment-Specific Stable Isotope Analysis to Track Degradation of Sulfamethoxazole**  
V24 A. Canavan, Garching/DE, C. Dirr, Garching/DE, L. Prechtel, Garching/DE, H. Al-Ghoul, Garching/DE, N. Kuhlbusch, Münster/DE, A. Erhardt, Kentucky/US, M. Elsner, Garching/DE
- 9:40 a.m. **Quantitatives zeitintegratives PFAS-Monitoring in Grund- und Reinwasser mittels Rohrpassivsammler**  
V25 T. Hensel, Berlin/DE, J.-H. Hein, Königs Wusterhausen/DE, R. Bloch, Berlin/DE, P. Zerball-van Baar, Berlin/DE, F. Zietzschmann, Berlin/DE
- 10:00 a.m. **Combining flow cytometry and quantitative polymerase chain reaction for analyzing and understanding pathogen deactivation in UV-activated advanced oxidation process**  
V26 Y. Liang, Garching/DE, M. Elsner, Garching/DE, M. Seidel, Garching/DE
- 10:20 a.m. **Poster Pitches PFAS**  
PFAS-04, PFAS-06-PFAS-08, PFAS-09
- 10:35 a.m. **POSTER SESSION AND EXHIBITION / COFFEE BREAK**

# PROGRAM

Wednesday, May 13, 2026

## PFAS

Chair: M. Elsner

Lecture Hall (Förde)

11:20 a.m. **Stepwise Approach to Determining PFAS  
Sum Parameter**  
V27

I. Halbhuber, Essen/DE, M. Iraqi, Essen/DE,  
L. Solazzo, Essen/DE, R. Jung, Essen/DE,  
M. Stüwe, Essen/DE, M. Leupold, Essen/DE,  
U. Telgheder, Essen/DE

11:40 a.m. **Occurrence and fate of PFASs in Swiss waste  
water treatment plants**  
V28

C. S. McArdell, Dübendorf/CH, S. J. Chow, Dübendorf/CH, E. Braxmaier, Dübendorf/CH, F. Haffter, Dübendorf/CH, H. Singer, Dübendorf/CH, J. Hollender, Dübendorf/CH

12:00 a.m. **Nanofiltration mit Hohlfasermembranen zur  
PFAS-Entfernung**  
V29

P. Riede, Karlsruhe/DE, P. Lipp, Karlsruhe/DE,  
T. Sewerin, Hengelo/NL

12:20 a.m. **Electrosorption of short-chain perfluoroalkyl  
acids – a strategy for more sustainable water  
treatment**  
V30

A. Georgi, Leipzig/DE, P. Fatehbasharad, Leipzig/DE, P. Kilian, Leipzig/DE, S. Aliasghari, Leipzig/DE, N. Saeidi, Leipzig/DE

12:40 a.m. **Konventionsverfahren in der Wasseranalytik  
mit Fokus auf PFAS**  
V31

U. Borchers, Mülheim (Ruhr)/DE

1:00 p.m. **Exhibition and Lunch Break**

1:40 p.m. **Poster Awards**

Lecture Hall (Förde)

## PROGRAM

Wednesday, May 13, 2026

### Wastewater

Chair: M. Weber

Lecture Hall (Förde)

- 1:55 p.m. **Standardisierung für die neue Kommunal-  
V32 abwasserrichtlinie**  
U. Braun, Berlin/DE, M. Buettner, Berlin/DE,  
M. Lukas, Berlin/DE, R. Wischer, Berlin/DE,  
R. Kallies, Berlin/DE, C. Förster, Bad Elster/DE
- 2:15 p.m. **International Comparison of Occurrence of  
V33 Antibiotic Resistances in Surface Water and  
Their Removal by Wastewater Treatment**  
A. Tiehm, Karlsruhe/DE, C. Stange, Karlsruhe/DE,  
A. Nasser, Tel Aviv/IL
- 2:35 p.m. **Validation Monitoring of Advanced Treatment  
V34 Trains Complying with EU and German Water  
Reuse Regulations**  
B. M. Aumeier, Garching/DE, M. Thiel, Garching/DE,  
J. Ho, Karlsruhe/DE, M. Büttner, Schweinfurt/DE,  
J. Gebhardt, Herford/DE, U. Hübner, Herford/DE,  
N. Scheyer, Schweinfurt/DE, C. Schweikart, Karlsruhe/DE,  
A. Steger, Garching/DE, A. Tiehm, Karlsruhe/DE,  
J. E. Drewes, Garching/DE
- 2:55 p.m. **Natural Organic Matter: A Dual Inhibitor-  
V35 Stimulator of Hydroxyl Radical Formation  
during Ozonation**  
A. Asghar, Essen/DE, T. C. Schmidt, Essen/DE
- 3:15 p.m. **Closing Remarks**

## PFAS

- PFAS-01 Removal of PFAS by electrosorption/-desorption on activated carbon and electrochemical degradation**  
A. Tiehm, Karlsruhe/DE, H. Schell, Karlsruhe/DE, L. Stelmaszyk, Karlsruhe/DE, C. Weidlich, Frankfurt/DE
- PFAS-02 Occurrence of PFAS including TFA, NTf<sub>2</sub> and the PF<sub>6</sub>-anion in urban surface water and sediment of Tübingen**  
M. Haußecker, Tübingen/DE, C. Zwiener, Tübingen/DE
- PFAS-03 Trifluoressigsäure (TFA) – eine ubiquitäre, ewige und heimtückische Chemikalie**  
K. G. Steinhäuser, Berlin/DE, M. Große Ophoff, Osnabrück/DE, H. Brunn, Giessen/DE
- PFAS-04 Investigation of PFAS Load Distribution in Urban and Industrial Wastewater via Combined Target and Sum Parameter Analysis**  
P. Roesch, Berlin/DE, R. Wischer, Berlin/DE, J. Bartz, Berlin/DE, U. Braun, Berlin/DE
- PFAS-05 Adsorption of PFAS Using Modified Alumina**  
F. Scheller, Stuttgart/DE, M. Deggemann, Stuttgart/DE, P. Bräutigam, Stuttgart/DE
- PFAS-06 Exploring hidden per- and polyfluoroalkyl substances as a new source of chemical pollution in pesticide formulations**  
B. Oró-Nolla, Tübingen/DE, A. López-Antia, Barcelona/ES, L. Lacorte, Barcelona/ES, C. Zwiener, Tübingen/DE
- PFAS-07 Estimating PFAS Immobilization by Activated Biochars: Insights from Rapid Small-Scale Column Tests and Uncertainty Modelling**  
P. R. Martin, Vienna/AT, A. Herbst, Vienna/AT, T. Hofmann, Vienna/AT

- PFAS-08 **Non-target screening approaches to unravel the unknown fluorine content in environmental samples**  
J. Zweigle, Copenhagen/DK, J. Benskin, Stockholm/SE, E. L. Schymanski, Belval/LU, J. H. Christensen, Copenhagen/DK
- PFAS-09 **Regenerable Fluorophilic Ion-Exchangers for Selective PFAS Removal: Treatment Performance, Analytics, and Regeneration Workflows**  
J. Schobel, Innsbruck/AT, J. Freilinger, Innsbruck/AT, M. Rupprich, Muttentz/CH, C. W. Huck, Innsbruck/AT, H. Schottenberger, Innsbruck/AT, J.O. Back, Innsbruck/AT
- PFAS-10 **Sensitive Measurement of Per and Polyfluoroalkyl Substances in Drinking Water by Means of New Feed Injection Technology**  
T. Glauner, Waldbronn/DE, M. Behling, Waldbronn/DE, M. Kamuf, Waldbronn/DE, E. Naegele, Waldbronn/DE, S. Soelter, Waldbronn/DE
- PFAS-11 **Determination of total organic fluorine of short-chain perfluorinated substances in aqueous solutions by enrichment on solid-phase microextraction materials followed by combustion ion chromatography: A sum parameter approach**  
L. Solazzo, Essen/DE, I. Halbhuber, Essen/DE, M. Leupold, Essen/DE, K. Kerpen, Essen /DE, U. Telgheder, Essen/DE
- PFAS-12 **How Long and Short Chain PFAS adsorb onto Metal Organic Framework NU 1000?**  
R. Ahmed, Garching/DE, S. Dörschmidt, Garching/DE, J. E. Drewes, Garching/DE, R. L. Ettlinger, Garching/DE, B. M. Aumeier, Garching/DE
- PFAS-13 **Characterizing fluorinated chemicals in landfill leachates**  
A.-C. Krause, Leipzig/DE, E. Lichtenwald, Leipzig/DE, T. Reemtsma, Leipzig/DE, D. Zahn, Leipzig/DE

- PFAS-15 Entfernung von Per- und Polyfluorierten Alkylsubstanzen (PFAS) aus Industriewasser**  
H.-L. Eckes, Rossdorf/DE, R. Lutze, Rossdorf/DE,  
B. Jahnke, Darmstadt/DE, J. Korn, Darmstadt/DE

## River systems, lakes/reservoirs, and groundwater

- Wat-01 Trifluoressigsäure – Eine echte Herausforderung für die Wasserversorgung**  
K. Nödler, Karlsruhe/DE
- Wat-02 Keep It Simple: When HPLC-DAD Gets the Job Done**  
P. S. Bäuerlein, Nieuwegein/NL, E. Emke,  
Nieuwegein/NL, N. Meekel, Nieuwegein/NL,  
M. W. de Bar, Lelystad/NL, M. Pijnappels,  
Lelystad/NL, R. Kooper-Mookerij, Werkendam/NL,  
P. Diepenbeek, Maastricht/NL, R. van Doorn,  
Nieuwegein/NL, A. Fischer, Rotterdam/NL,  
A. Asgadaouan, Nieuwegein/NL
- Wat-03 Effects of Hydrological Extreme Events on Organic Micropollutants in a Large River**  
L.-M. Beckers, Koblenz/DE, N. Hermes, Koblenz/  
DE, A. Wick, Koblenz/DE
- Wat-04 Denitrifikationspotential im Grundwasser Baden-Württembergs**  
J. Bauer, Karlsruhe/DE, C. Witzig, Karlsruhe/DE,  
T. Ball, Karlsruhe/DE, B. M. Müller, Karlsruhe/DE,  
S. Sturm, Karlsruhe/DE
- Wat-05 Analyzing Groundwater Quality Indicators in the Lusatian Mining District using Historical Records and Modern Data-Driven Techniques**  
M. Gharasoo, Cottbus/DE, S. Janetz, Cottbus/DE,  
M. Fahle, Cottbus/DE
- Wat-06 Influence of Suspended Particulate Matter on Metal and Organic Pollutant Distribution in the Elbe estuary**  
V. Ortiz Gutierrez, Geesthacht/DE, D. Präfrock,  
Geesthacht/DE, T. Zimmermann, Geesthacht/DE,  
B. Fricke, Hamburg/DE, J. Kelln, Hamburg/DE

- Wat-07     **Geothermal Water as a Source for Critical Elements: An Approach for the Selective Extraction of Li<sup>+</sup>**  
S. J. Kienast, Garching/DE, J. Bayer, Garching/DE, B. Gleich, Garching/DE, S. Ertl, Schweitenkirchen/DE, M. Elsner, Garching/DE, M. Seidel, Garching/DE
- Wat-08     **Targeted and non-targeted analysis reveal similar dissolved organic contaminant patterns relative to quantified catchment characteristics along two German rivers**  
S. Spahr, Berlin/DE, L. Graves, Tübingen/DE, C. Zarfl, Tübingen/DE, T. Hirsch, Tübingen/DE, G. Vitale, Tübingen/DE, D. Petras, Riverside/US
- Wat-09     **The Pure but Empty Glass: A Statistical Profile of Reverse Osmosis Water**  
G. Ahmed, Hadejia/NG
- Wat-10     **BfG's Division of Qualitative Hydrology: Integrated Research on Contaminants, Dredging, and Ecosystem Health in German Coastal Waters**  
J. Wenk, Koblenz/DE, E. Li, Koblenz/DE, H. Schröder, Koblenz/DE, G. Dierkes, Koblenz/DE, C. Kochleus, Koblenz/DE, S. Schäfer, Koblenz/DE, M. Stoffels, Koblenz/DE, A. Schmidt, Koblenz/DE, J. Höfer, Koblenz/DE, A. Zavarisky, Koblenz/DE, C. Kleisinger, Koblenz/DE, L. Düster, Koblenz/DE, B. Buchinger, Koblenz/DE, A. Wick, Koblenz/DE, T. Ternes, Koblenz/DE

## Drinking water treatment and distribution

- DW-01      **Untersuchung von Trinkwasserproben auf Arzneimittelrückstände**  
U. Kühnen, Dessau-Roßlau/DE, S. Menacherry, Berlin /DE, A. Ros, Berlin/DE, A. Hein, Dessau-Roßlau/DE, A. Murawski, Dessau-Roßlau/DE, A. S. Ruhl, Berlin/DE
- DW-02      **Einfluss klimawandel-induzierter Risiken auf die Trinkwassersicherheit**  
T. Vollmer, Karlsruhe/DE, L. Huber, Berlin/DE, B. Rickert, Berlin/DE, S. Sturm, Karlsruhe/DE, F. Brauer, Karlsruhe/DE
- DW-03      **Cyanid-Entfernung mittels Ozonung – Abbauversuche und Entwicklung einer photometrischen Online-Methode zur Cyanid-Detektion**  
B. Schmutz, Karlsruhe/DE, J. Hegele, Karlsruhe/DE, V. Bickel, Karlsruhe/DE, O. Happel, Karlsruhe/DE, U. Müller, Karlsruhe/DE, J. Moritz, Munster/DE
- DW-04      **Layer-by-Layer-Coated Ceramic-Based Polyelectrolyte Multilayer Membranes for Drinking Water Production**  
J. Bennert, Hamburg/DE, B. Wendler, Hamburg/DE, M. Ernst, Hamburg/DE
- DW-05      **Herleitung von risikobasierten Untersuchungsprogrammen für Roh- und Trinkwasser**  
F. Brauer, Karlsruhe/DE, T. Fischer, Karlsruhe/DE, S. Sturm, Karlsruhe/DE, L. Kawerau, Karlsruhe/DE
- DW-06      **Adsorption Behavior of Selenium Oxyanions on Granular Ferric Hydroxide in Sources of Drinking Water**  
M. A. Inam, Hamburg/DE, M. Ernst, Hamburg/DE

- DW-08     **Untersuchung zum Vorkommen halogener Desinfektionsnebenprodukte in der deutschen Trinkwasserversorgung**  
N. Zumbülte, Karlsruhe/DE, D. Armbruster, Karlsruhe/DE, L. Bayer, Karlsruhe/DE, M. Flörs, Langenau/DE, T. Lucke, Langenau/DE, M. Petri, Sipplingen/DE, W. Seitz, Langenau/DE
- DW-09     **Beobachtung einer weit verbreiteten relevanten Grundlast von Blei in Trinkwasserproben aus Hausinstallationen**  
J. Beck, Hamburg/DE
- DW-10     **A Scalable Membrane-Free Bioelectrochemical Reactor for Autotrophic Nitrate Removal in Groundwater Treatment**  
N. Lüdemann, Hamburg/DE, A. Delfs, Hamburg/DE, A. Kallies, Hamburg/DE, M. Ernst, Hamburg/DE
- DW-11     **Comparison of bromate formation between conventional ozonation and ozone-based advanced oxidation process**  
J. Ji, Darmstadt/DE, L. Balogun, Darmstadt/DE, H. Lutze, Darmstadt/DE
- DW-12     **Novel Sulfur-Containing Disinfection By-Products in Chlorinated and Chloraminated Drinking Water**  
M. Nihemaiti, Leipzig/DE, M. Icker, Leipzig/DE, T. Reemtsma, Leipzig/DE
- DW-13     **Mobile Aufbereitung mit keramischer Membran zur Unterstützung der Wasserversorgung**  
N. Werthmann, Groß-Gerau/DE, J. Boel, Groß-Gerau/DE, J. Reich, Groß-Gerau/DE

### Wastewater treatment, water reuse

- WW-01     **Electrochemical oxidation of ofloxacin – product identification, kinetics, and ecotoxicological studies**  
M. Voigt, Krefeld/DE, T. Weißberg, Krefeld/DE, A. Schöntag, Krefeld/DE, J. Böhm, Krefeld/DE, M. Jäger, Krefeld/DE

- WW-02     **Nano-Enabled Water Reuse (NEWWR) – Sulfate-Radical Oxidation Through an  $\text{MnO}_2$  Fixed Bed Reactor As A Potential Solution for Water Reuse**  
M. S. Khan, Garching/DE, O. Yashar, Tel Aviv/IL, Y. Yechezkel, Tel Aviv/IL, U. Hübner, Herford/DE, I. Zucker, Tel Aviv/IL, J. E. Drewes, Garching/DE, B. M. Aumeier, Garching/DE
- WW-03     **Water as a Solvent: Kinetics and Products of the Reaction of Graphene Nanoplatelets with Noble Metal Ions**  
N. Konradt, Essen/DE, D. Konradt, Bochum/DE, D. Schroden, Essen/DE, M. Heidelmann, Duisburg/DE, U. Hagemann, Duisburg/DE
- WW-04     **Nachhaltige Gründächer für die Umsetzung der Schwammstadt: Bestimmung unbedenklicher Bauprodukte**  
O. Happel, Karlsruhe/DE, L. Bayer, Karlsruhe/DE, J. Hegele, Karlsruhe/DE, B. Schmutz, Karlsruhe/DE
- WW-05     **Prioritization of PMT chemicals during agricultural water reuse – potential for human exposure and groundwater contamination**  
D. Zahn, Leipzig/DE, A. H. Seelig, Leipzig/DE, A. Görnt, Berlin/DE, M. Thalmann, Berlin/DE, V. Junghans, Berlin/DE, D. Dittmann, Berlin/DE, A. S. Ruhl, Berlin/DE, T. Reemtsma, Leipzig/DE
- WW-06     **Towards Real-Time Analysis of Fouling on Reverse Osmosis Membranes Using Raman Microspectroscopy**  
C. Pedri, Garching/DE, M. Elsner, Garching/DE, N. P. Ivleva, Garching/DE
- WW-07     **Multitarget Screening of Pharmaceuticals in diverse Wastewater to evaluate the treatment performance of Wastewater Treatment Plants related to UWWTD**  
U. Hofmann/ J. W. Zander, Dresden/DE, U. Hofmann, Dresden/DE, R. Oertel, Dresden/DE, S. Schubert, Dresden/DE, R. Renner, Dresden/DE

- WW-08     **Transformation von DTPMP in Belebtschlamm unter dem Einfluss von  $\text{MnO}_2$**   
J. Kaupp, Tübingen/DE, L. Engelbart, Tübingen/DE, S. Bieger, Tübingen/DE, R. Bloch, Berlin/DE, K. Thompson, Stuttgart/DE, C. Huhn, Tübingen/DE
- WW-09     **Digitalisierung in der dezentralen Abwasserbehandlung – Smarte Kleinkläranlagen**  
T. Dittmar, Penig/DE, G. Stich, Leipzig/DE, J. Ilian, Penig/DE, T. Hansen, Luckau-Duben/DE
- WW-10     **Organic Micropollutant Removal through Membrane Capacitive Deionization**  
Q. F. Lamia, Dresden/DE, F. Du, Dreseden/DE, M. Baune, Bremen/DE, S. Stolte, Dresden/DE
- WW-11     **Project AiM: Systematic investigation of industrial wastewater samples across various industrial sectors to identify industrial chemicals with environmental significance**  
J. Prothmann, Koblenz/DE, K. Rautenberg, Koblenz/DE, T. Hillenbrand, Karlsruhe/DE, L. Lesmeister, Karlsruhe/DE, A. Reichart, Dessau-Roßlau/DE, D. Löffler, Koblenz/DE, A. Wick, Koblenz/DE
- WW-12     **Quantification of powdered activated carbon in membrane bioreactors: implications of operating conditions on thermogravimetric analysis**  
D. Dittmann, Berlin/DE, J. Teschner, Berlin/DE, A. Bauer, Berlin/DE, A. S. Ruhl, Berlin/DE
- WW-15     **Determination of the release of endocrine disrupting bisphenols via wastewater treatment plants**  
K. Müller, Idstein/DE, E. M. Wölfel, Idstein/DE, S. Wagner, Idstein/DE

- WW-16     **Activated Sludge–Based Hydrochars for the Removal of Persistent Mobile Organic Compounds in Decentralized Wastewater Treatment**  
A. Schierz, Leipzig/DE, S. Chaudhuri, Leipzig/DE, A. Georgi, Leipzig/DE, M. Krauss, Leipzig/DE, N. Grasse, Leipzig/DE, Q. Fu, Leipzig/DE, K. Rahman, Leipzig/DE, L. Moeller, Leipzig/DE, A. Acosta, Leipzig/DE, L. Röver, Leipzig/DE
- WW-17     **The Use of Forward Osmosis for Efficient Removal of Chromium from Water, utilizing Response Surface Methodology.**  
M. Hashemi, Tehran/IR, Z. Naghdali, Tehran/IR, A. Eslami, Tehran/IR, H. A. Jamali, Tehran/IR
- WW-18     **Prediction of micropollutant degradation in wastewater ozonation, using fluconazole as an in-situ compound**  
M. Yin, Darmstadt/DE, S. M. Abdighahroudi, Darmstadt/DE, M. Jütte, Duisburg/DE, H. Lutze, Darmstadt/DE
- WW-19     **Oxidation of sulphite in wineries wastewater with chlorine dioxide**  
E. Sabeti, Darmstadt/DE, F. Dzeble, Darmstadt/DE, C. Eß, Bingen /DE, H. Uhlmann, Wuppertal/DE, H. Lutze, Darmstadt/DE
- WW-20     **Combined Membrane and Adsorption Processes for Resource-Efficient Treatment of Complex Fermentation Wastewater**  
D. Fischbach, Zittau/DE, J. Weber, Zittau/DE

## Hygiene and Microbiology

- Hyg-01     **Comparison of Acid-Based Synthesis Methods of Chlorine Dioxide with Respect to Reactivity, Byproducts, and pH**  
J. Neubert, Wuppertal/DE, F. M. Wachter, Wuppertal/DE, S. Birr, Wuppertal/DE, H.-J. Altenbach, Wuppertal/DE, H. Uhlmann, Wuppertal/DE
- Hyg-02     **Evolution of Virus Removal During Start-Up of Gravity-Driven Membrane Systems for Drinking Water Production**  
J. Pries, Berlin/DE, E. Reynaert, Berlin/DE, A. Grunert, Berlin/DE, B. Wolbring, Berlin/DE, A. S. Ruhl, Berlin/DE
- Hyg-03     **Lower disinfection by-product formation potential after pre-oxidation with chlorine dioxide**  
D. Kaczmarek, Berlin/DE, A. Bauer, Berlin/DE, L. Saal, Berlin/DE, A. S. Ruhl, Berlin/DE

## (Bio)analytical methods

- Ana-01     **Impedance spectroscopy for water quality monitoring**  
P. S. Bäuerlein, Nieuwegein/NL, J. van den Broeke, Nieuwegein/NL, N. Meekel, Nieuwegein/NL, X. Tian, Nieuwegein/NL, R. Streffand, Nieuwegein/NL, P. Taheri, Delft/NL, A. Mohseni Armaki, Delft/NL, G. Vermeij, Delft/NL
- Ana-02     **Automated near-real time monitoring of micropollutants as an early warning system for drinking water**  
M. J. Mohr, Langenau/DE, L. Strähle, Langenau/DE, P. Leurle, Langenau/DE, J. H. Christensen, Frederiksberg/DK, W. Seitz, Langenau/DE, R. Winzenbacher, Langenau/DE, T. Bader, Langenau/DE

- Ana-03     **Narrowing the Analytical Gap for Water-Soluble Polymers – Applicability of a Diagnostic Fragment-Based Detection Method to Polymers of Various Types and Molecular Weights**  
M. Steuernagel, Leipzig/DE, D. Zahn, Leipzig/DE
- Ana-04     **Analytical challenges for bromate analysis in wastewater**  
C. Wilke, Aachen/DE, V. Linnemann, Aachen/DE
- Ana-05     **Critical evaluation of potential and limitations of non-target screening in suspended particulate matter by GC-HRMS**  
G. Dierkes, Koblenz/DE, J. Koschorreck, Berlin/DE, T. A. Ternes, Koblenz/DE, A. Wick, Koblenz/DE
- Ana-06     **GC-screening – A sustainable addition?**  
C. Erger, Essen/DE, J. Kaulfuss, Essen/DE, J. Tuerk, Essen/DE
- Ana-07     **Mikrobiologische Sensorvorrichtungen zur Echtzeitbestimmung organischer C-Verbindungen – Einfluss der Platinbeladung und Kathodenfläche**  
K. Schmidt, Dresden/DE, V. Schmalz, Dresden/DE, T. Dittmar, Penig/DE, S. Stolte, Dresden/DE
- Ana-08     **Fully Automated Feature Detection Workflow for Non-Target Screening with HPLC-HRMS**  
D. Höhn, Essen/DE, G. Renner, Essen/DE, M. Reuschenbach, Duisburg/DE, T. Schmidh, Essen/DE
- Ana-09     **Investigation of the effects of sample handling after DIN EN ISO 10304-4 on the content of chlorite and chlorate in chlorine dioxide containing waters**  
J. Dell'Anno, Wuppertal/DE, F. Dahlhaus, Wuppertal/DE, F. M. Wachter, Wuppertal/DE, H.-W. Kling, Wuppertal/DE, H. Uhlmann, Wuppertal/DE

- Ana-10     **Enhanced Curation of Mass Spectrometry Reference Data to Power Suspect Screening – example of cyanobacterial specialized metabolites**  
E. Janssen, Zürich/CH, A. Dax, Zürich/CH, F. Scharnbacher, Berlin/DE, T. Niedermeyer, Berlin/DE, M. Stravs, Zürich/CH
- Ana-11     **Rapid Monitoring of Bacteria and Viruses for Water Quality Control using combined Concentration and Molecular Analysis Techniques**  
C. Rein, Munich/DE, A. Hofmeir, Munich/DE, M. Seidel, Munich/DE
- Ana-12     **Stable isotope analysis of benzoic acid and benzenesulfonic acid by electrospray ionization Orbitrap high-resolution mass spectrometry**  
S. G. Pati, Wien/AT, F. Haque, Wien/AT, M. Groß, Wien/AT, V. Göldner, Wien/AT
- Ana-13     **FAIR and Transparent Data Processing in Water Analysis: A Standard-Based Pipeline Concept for Reproducible Evaluation of Analytical Measurement Data, Project CogniFlow**  
G. Renner, Essen/DE, R. Cunha, Duisburg/DE
- Ana-14     **Pyrolytic graphene electrodes with electrodeposited copper surface modification for laboratory and onsite water nitrate/nitrite analysis**  
A. Schulte, Rayong/TH, H. S. M. Soysa, Rayong/TH, K. Loha, Rayong/TH, T. Hussana, Rayong/TH, W. Prempinij, Rayong/TH, K. Chatree, Rayong/TH, W. Suginta, Rayong/TH, D. Corrigan, Glasgow/GB, T. Thaweekulchai, Rayong/TH
- Ana-15     **Quantification of 3,5-di-tert-butyl-4-hydroxystyrene: between true values and analytical artefact**  
C. Kalweit, Bad Elster/DE, S. Berger, Bad Elster/DE, T. Rapp, Bad Elster/DE

- Ana-16      **Automated and Miniaturized Determination of Ozone Consumption for Water and Wastewater Treatment Applications ( $\mu$ AutOzon)**  
R. Cunha, Duisburg/DE, D. Schomers, Duisburg/DE, D. Boerakker, Duisburg/DE, M. Jochums, Duisburg/DE, K. Kochale, Duisburg/DE, A. B6rgers, Duisburg/DE, T. Teutenberg, Duisburg/DE
- Ana-17      **Ni-Wall coated microreactor to Increase Sensitivity and Selectivity of Compound-specific Isotope Analysis (CSIA)**  
H. Al-Ghoul, Garching/DE, M. Elsner, Garching/DE
- Ana-18      **Retrospektiver Einsatz von Non-Target Screening**  
S. Bieber, Augsburg/DE, T. Letzel, Augsburg/DE
- Ana-19      **Monitoring the Efficiency of Clarithromycin Removal in Wastewater**  
Z. Konthur, Berlin/DE, M. Lehnert, Berlin/DE, S. Ali, Berlin/DE, T. Westphalen, Berlin/DE, S. Ewald, Berlin/DE, T. Exner, Berlin/DE, M. Lukas, Berlin/DE, U. Braun, Berlin/DE, R. J. Schneider, Berlin/DE

## (Eco)toxicological methods/studies

- Tox-01      **The importance of glyphosate-induced kidney damage in fish in the context of One Health**  
R. Tribskorn, T6bingen/DE, S. Hanten, T6bingen/DE, H.-R. K6hler, T6bingen/DE, V. Drechsel, T6bingen/DE
- Tox-02      **Defining Applicability Domains for the OECD 249 Fish Gill Cell Line Assay: Systematic Evaluation of Membrane-active Substances**  
A. Dreier, Sarstedt/DE, D. Becker, Texas/US, C. Landsberg, Sarstedt/DE, L. Hanschmann, Sartedt/DE, D. Scheerbaum, Sarstedt/DE, C. Maeß, Sarstedt/DE

- Tox-03     **Ecotoxicological assessment of photocatalytic membranes for antibiotic removal from water**  
M. Schmidt, Leipzig/DE, E. Küster, Leipzig/DE,  
M. Schmitt-Jansen, Leipzig/DE, M. Krauss,  
Leipzig/DE, A. Schulze, Leipzig/DE
- Tox-04     **Development and Application of an Ecotoxicological Biotest Battery for Investigating Time Series of Suspended Particulate Matter Samples From the German Environmental Specimen Bank**  
S. Jennes, Frankfurt (Main)/DE, J. Koschorreck,  
Berlin/DE, B. Göckener, Schmallenberg/DE,  
M. Hecker, Saskatoon/CA, H. Hollert, Frankfurt  
(Main)/DE
- Tox-05     **Silver ions in the ng/L range affect life cycle and population growth in the midge *Chironomus riparius***  
H.-R. Köhler, Tübingen/DE, J. Ding, Tübingen/DE,  
S. Kraus, Tübingen/DE, Z. Li, Tübingen/DE,  
R. Triebkorn, Tübingen/DE
- Tox-06     **Mischwasserüberläufe: Ein unterschätztes ökotoxikologisches Risiko für Oberflächengewässer**  
S. Schiwy, Frankfurt (Main)/DE, J. Halaunia,  
Frankfurt (Main)/DE, H. Hollert, Frankfurt (Main)/DE
- Tox-07     **Saisonale Dynamik und First-Flush-Effekte: Dioxinähnliche Aktivität und endokrines Potential in einem urbanen Fließgewässer**  
J. Halaunia, Frankfurt (Main)/DE, H. Hollert, Frankfurt (Main)/DE, S. Schiwy, Frankfurt (Main)/DE

## Detection/whereabouts/effects of nanoparticles/microplastics

- MP-01     **Auswirkung von Mikroplastik auf Fische und Muscheln in bayerischen Gewässern**  
M. Kunaschk, Augsburg/DE, J. Schwaiger, Wielenbach/DE
- MP-02     **Binding Properties of Heavy Metals on Tire and Road Wear Particles in the Aquatic Environment**  
A. Rocha Vogel, Magdeburg/DE, S. Swonarjow, Magdeburg/DE, W. von Tümpling, Magdeburg/DE
- MP-03     **Fluorescent Microplastic Particles down to 1 µm embedded in Potassium Bromide Pellets as Test QC Materials for Workflow and Recovery Validation**  
M. Klotz, Garching/DE, A. Tonyková, Garching/DE, C. Kappacher, Innsbruck/AT, J. Lauß, Innsbruck/AT, J. Badzoka, Innsbruck/AT, C. Huck, Innsbruck/AT, M. Elsner, Garching/DE, N. P. Ivleva, Garching/DE
- MP-04     **Release of synthetic polymer particles from paper-based packaging**  
T. Schüler, Heidenau/DE, T. Pietsch, Heidenau/DE, A. Eisenschmidt, Heidenau/DE
- MP-05     **Determination of plastic particles in the process water of paper mills using flow cytometry**  
T. Pietsch, Heidenau/DE, P. Bouhet, Paris/FR, A. Eisenschmidt, Heidenau/DE
- MP-06     **Effects of Polystyrene Microplastics and the Insecticide Thiacloprid on Survival and Burrowing Behavior of the midge Chironomus riparius**  
S. Kraus, Tübingen/DE, N. Anthes, Tübingen/DE, S. Huppertsberg, Idstein/DE, T. M. Parker, Tübingen/DE, K. Peschke, Tübingen/DE, A. S. Ruhl, Berlin/DE, H. Schmiege, Tübingen/DE, T. Schwarz, Tübingen/DE, H.-R. Köhler, Tübingen/DE, R. Triebkorn, Tübingen/DE

**MP-07 Identifying new markers for a solvent extraction-based quantification of tire and road wear particles**

L. Muth, Idstein/DE, A. Noack, Idstein/DE, K. Müller, Idstein/DE, S. Wagner, Idstein/DE

**MP-08 Suitability of filters for Raman Microspectroscopy for the analysis of submicron plastics**

I. Jüngling, Garching/DE, L. Schmitt, Garching/DE, N. P. Ivleva, Garching/CH, F. De Franceschi, Lausanne/CH, P. A. Da Costa Filho, Lausanne/CH, L. Lei, Lausanne/CH, S. Dubascoux, Lausanne/CH, M. Ambühl, Lausanne/CH, L. Coic, Vittel/FR, N. Benismail, Vittel/FR

## Detection/whereabouts of natural/anthropogenic (harmful) substances (analysis, occurrence, degradation, transformation)

**Sub-01 Machine Learning-based Classification for the Prioritization of Potentially Hazardous Chemicals with Structural Alerts in Nontarget Screening**

P. S. Bäuerlein, Nieuwegein/NL, N. Meekel, Nieuwegein/NL, A. Krueve, Stockholm/SE, M. H. Lamoree, Amsterdam/NL, F. Béen, Amsterdam/NL

**Sub-02 Do gammarids play a role in the transmission of anticoagulant rodenticides?**

J. Regnery, Koblenz/DE, V. Contardo-Jara, Berlin/DE, R. Schmiediche, Berlin/DE, J. Bachtin, Koblenz/DE, C. Möhlenkamp, Koblenz/DE, K. S. Lehmann, Büsum/DE, A. Friesen, Dessau-Roßlau/DE

**Sub-03 Narrowing the Analytical Gap for Water-Soluble Polymers – Applicability of a Diagnostic Fragment-Based Detection Method to Polymers of Various Types and Molecular Weights**

M. Steuernagel, Leipzig/DE, D. Zahn, Leipzig/DE

- Sub-04     **Brandneue Screeningbefunde: P-organische Flammenschutzmittel im Donauwasser**  
T. Bader, Langenau/DE, M. Flörs, Langenau/DE, L. Betz, Langenau/DE, U. Kunkel, Augsburg/DE, H. Singer, Dübendorf/CH, P. Becker, Dübendorf/CH, J. Männer, Langenau/DE, W. Seitz, Langenau/DE, S. Heck, Stuttgart/DE, S. Volke, Stuttgart/DE, R. Winzenbacher, Langenau/DE
- Sub-05     **Tracking the Invisible: Monitoring Highly Polar Substances in Raw and Drinking Water**  
J. Flottmann, Langenau/DE, T. Bader, Langenau/DE, T. C. Schmidt, Essen/DE, R. Winzenbacher, Langenau/DE, W. Seitz, Langenau/DE
- Sub-06     **Identification and release mechanisms of organic compounds from rubber membranes used for inflatable rubber dams**  
R. Süßmuth, Koblenz/DE, G. Dierkes, Koblenz/DE, A. M. Bell, Koblenz/DE, A. Wick, Koblenz/DE, T. A. Ternes, Koblenz/DE
- Sub-07     **Organische Phosphonate und Mangan aus Anwendersicht: Umsetzung von Aminophosphonaten im Mangandioxid-Filter**  
V. C. Bickel, Karlsruhe/DE, O. Happel, Karlsruhe/DE
- Sub-08     **Carbon and Nitrogen Stable Isotope Analysis of Sulfamethoxazole During Abiotic Degradation Processes**  
C. Dirr, Garching/DE, A. Canavan, Garching/DE, M. Elsner, Garching/DE
- Sub-09     **Biodegradability assessment of complex mixtures of polar trace substances in the rivers Main and Elbe**  
A. Becker, Dresden/DE, H. Börnick, Dresden/DE, M. Henkys, Dresden/DE, M. Markiewicz, Dresden/DE, C. Alt, Frankfurt am Main/DE, R. Chowdhury, Dresden/DE, S. Stolte, Dresden/DE

- Sub-10     **Biogeochemical influence on toxic arsenic species and their mobility in flushing fields of Baltic Sea sediments**  
J. Kamp, Koblenz/DE, J. Thiel, Koblenz/DE, S. Krenek, Koblenz/DE, J. Meier, Koblenz/DE, A. Wick, Koblenz/DE, T. A. Ternes, Koblenz/DE, J. Hahn, Koblenz/DE
- Sub-11     **Ursachen negativer Eliminationsraten von Spurenstoffen – Betrachtung der Rückbildung von Phase II Metaboliten**  
N. Kalinke, Tübingen/DE, C. Huhn, Tübingen/DE
- Sub-12     **Spatial and Temporal Distribution of Tire-Derived Compounds in the Urban Danube System of Vienna**  
V. Wilkeit, Wien/AT, T. Hüffer, Wien/AT, T. Hofmann, Wien/AT, S. Schumacher, Wien/AT
- Sub-13     **Spatiotemporal Trends of Organic Micropollutants in the Highly Urbanized Ruhr River System**  
J. A. Prume, Koblenz/DE, D. Frojn, Essen/DE, C. Härtel, Essen/DE, C. Türk, Essen/DE, G. Hübner, Koblenz/DE, J. Wenk, Koblenz/DE
- Sub-14     **Latent spaces in non-target screening: a two-dimensional anomaly index to identify hotspots in river longitudinal studies**  
F. Drees, Essen/DE, N. Lettmann, Essen/DE, C. Härtel, Essen/DE, J. Türk, Essen/DE
- Sub-15     **Investigation of Oxidative Aminopolyphosphonate Degradation**  
A. Gruhlke, Essen/DE, M. A. Jochmann, Essen/DE, T. C. Schmidt, Essen/DE
- Sub-16     **Wasserlösliche Reifeninhaltsstoffe in einem urban geprägten Fließgewässer**  
C.-L. Bollmann, Idstein/DE, N. Meyer, Saarbrücken/DE, K. Müller, Idstein/DE, S. Wagner, Idstein/DE

- Sub-17     **Untersuchung des Sorptionsverhaltens wasserlöslicher Polymere an umweltrelevanten Partikeln – Erste MALDI-ToF-MS Ergebnisse am Beispiel von Polyethylenglykol**  
C. Zimmer, Idstein/DE, S. Wagner, Idstein/DE
- Sub-18     **Quality of harvested rainwater from a university campus**  
N. Neufeld, Darmstadt/DE, P. Paz Y Mino, Darmstadt/DE, S. M. Abdighahroudi, Darmstadt/DE, N. Michelson, Darmstadt/DE, A. M. Sheikh Asadi, Darmstadt/DE, C. Schüth, Darmstadt/DE, H. V. Lutze, Darmstadt/DE
- Sub-19     **Occurrence of tire-derived compounds in the River Danube – Insights from analyses of water, suspended solids and sediments**  
T. Hüffer, Vienna/AT, E. Konak, Vienna/AT, V. Wilkeit, Vienna/AT, S. Schumacher, Vienna/AT, T. Hofmann, Vienna/AT
- Sub-20     **Enantioselective Biodegradation of Methocarbamol and Tilidine in Activated Sludge**  
A. Krause, Koblenz/DE, M. Schlüsener, Koblenz/DE, A. Wick, Koblenz/DE, T. A. Ternes, Koblenz/DE

## Student Water Award 2026

- SWA-01     ***In vitro* toxicity of road runoff from different road types using reporter-gene assays**  
J. Schmidt, Frankfurt/DE, M. Schmitz, Frankfurt/DE, S. Cüpper, Frankfurt/DE, M. Krauss, Leipzig/DE, P. Kronsbein, Aachen/DE, V. Linnemann, Aachen/DE, H. Hollert, Frankfurt/DE, S. Schiwy, Frankfurt/DE
- SWA-02     **Biotransformation acht ausgewählter PFAS – Vergleich zwischen Bakterien und Pilzen**  
E. Lichtenwald, Leipzig/DE, A.-C. Krause, Leipzig/DE, D. Schlosser, Leipzig/DE, L. Y. Wick, Leipzig/DE, T. Reemtsma, Leipzig/DE, D. Zahn, Leipzig/DE

### PRESENTATIONS

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For the presentation of talks, a PC and a projector will be available.

For discussion presentations, 15 minutes of speaking time and 5 minutes of discussion time are allocated. To ensure the schedule runs smoothly, we kindly ask that these times be strictly adhered to.

### POSTER CORE TIMES

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|                              |                                                                             |
|------------------------------|-----------------------------------------------------------------------------|
| <b>Monday, May 11, 2026:</b> | 10:30 a.m. – 11:00 a.m.<br>11:55 a.m. – 12:50 p.m.<br>2:45 p.m. – 3:45 p.m. |
| Colorful Night of Posters    | 7:00 a.m. – 9:00 p.m.                                                       |

|                               |                                                                            |
|-------------------------------|----------------------------------------------------------------------------|
| <b>Tuesday, May 12, 2026:</b> | 10:20 a.m. – 11:15 a.m.<br>12:35 p.m. – 1:50 p.m.<br>3:25 p.m. – 4:20 p.m. |
|-------------------------------|----------------------------------------------------------------------------|

The posters and the specialized exhibition are located in the Lecture Hall (Hörn)

The available poster area (DIN A0) measures approximately 118 cm in width and 146 cm in height.

Guidelines for creating a poster can be found as a PDF document on our homepage:

<https://www.gdch.de/wasser2026>

All posters will be reviewed and evaluated by a committee; the best will be awarded on Wednesday.

### PUBLICATION OF CONTRIBUTIONS

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The short summaries of all contributions can be found in your personal digital congress planner, which will be made available to all participants before the event. For your access, you will receive a personalized link to the congress planner. Some abstracts will also be published in the journal „Vom Wasser.“

We initially assume that this is desired in the interest of authorship. If this is not the case, we request a short email to the Water Chemistry Society (Wasserchemische-Gesellschaft@bafg.de).

### ► CONFERENCE VENUE

#### **ATLANTIC Hotel Kiel**

Raiffeisenstraße 2

24103 Kiel

<https://www.atlantic-hotels.de/hotel-kiel>

### ► REGISTRATION FEES<sup>\*)</sup>

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| GDCh-member, associated member and member of EuChemS-Member societies                                | € 450,00               |
| GDCh-member, associated member and member of EuChemS-Member societies (authorities and associations) | € 400,00               |
| GDCh-member, job seeker or retired                                                                   | € 225,00               |
| Non-member                                                                                           | € 500,00 <sup>**</sup> |
| Non-member (authorities and associations)                                                            | € 450,00 <sup>**</sup> |
| Non-member job seeker or retired                                                                     | € 250,00 <sup>**</sup> |
| Students (with valid student ID):                                                                    |                        |
| Member                                                                                               | € 150,00               |
| Non-member                                                                                           | € 200,00 <sup>**</sup> |
| Gold member (after 50 years of GDCh membership)                                                      | free of charge         |

<sup>\*)</sup> The registration fees are exempt from VAT according to § 4 No. 22a UStG.

Day tickets for the scientific program cost half of the applicable registration fee.

**\*\*** Non-members who join the Society of Water Chemistry during “Wasser 2026” will be refunded the difference between the conference fee for members and the fee they paid.

They will also receive a voucher for free admission to an annual conference of the Water Chemistry Society (valid for 3 years).

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

## GENERAL INFORMATION

**Sunday, May 10, 2026**

**7:00 PM**

### **Get together & Science Slam**

#### **Lore & Lay theatre ship**

Willy-Brandt-Ufer

24143 Kiel

The ship is located opposite the main railway station across the Hörn Bridge, right next to the museum harbor.

Admission: 6.30 p.m.

€ 30,- per person incl. snack buffet, drinks not included

**Booking required.**

### **Registration required**

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

**Sunday, May 10, 2026**

**4:00 PM**

### **Young Water Forum**

JWF – Snacks & Science

Pre-conference Get together at the ATLANTIC Hotel Kiel

Free of charge

**Booking required (limited number of persons)**

**Monday, May 11, 2026**

**2:00 PM**

### **Marine Conservation Tour**

Duration: 2 hours,

language: German

Meeting point:

Landtag Kiel, Düsternbrooker Weg 70, 24105 Kiel

€ 10,- per person,

**booking required**

Please note that this tour is parallel to the scientific program.

## PROGRAM

**Tuesday, May 12, 2026**

**3:00 PM**

### **Townhall Tour incl. Tower**

Duration: 1 hour,  
language: German

#### Meeting point:

Townhall, main entrance, Fleethörn 9, 24103 Kiel

€ 10,- per person, **booking required**

Please note that this tour is parallel to the scientific program.

**Tuesday, May 12, 2026**

**Lunch Break**

### **JWF - Career lunch**

ATLANTIC Hotel Kiel

Free of charge, **booking required**  
**(limited number of persons)**

**Tuesday, May 12, 2026**

**7:00 PM**

### **Networking Dinner**

Restaurant BOOTSHAUS 1862  
Düsternbrooker Weg 16, 24105 Kiel  
<https://bootshaus-kiel.de/bilder>

€ 60,- per person, including menu, 1 water and 1 soft drink

**Booking must be done by: April 30, 2026**

**The main course must be selected when booking.**

#### **Your choice:**

1. Pan-fried salmon fillet, Dijon mustard sauce, mashed potatoes
2. Pink roasted rump steak, jus, seasonal vegetables, Hasselback potatoes
3. Fresh cheese ravioli, wild garlic pesto, seasonal vegetables, Grana Padano
4. Homemade ribbon noodles with green asparagus, wild garlic pesto, and seasonal vegetables (vegan)

#### **First course:**

Variety of starters on platters with baguette

#### **Dessert:**

Chocolate Fudge, fruit pulp, vanilla ice cream

## FRAMEWORK PROGRAM

### ► PARTICIPATION CARDS AND CONFERENCE MATERIALS

The participation cards will be distributed with the conference materials at the conference office.

To reduce paper waste, we will completely refrain from producing a printed version of the conference proceedings. We are confident that this is in your interest and that you support our sustainability efforts. Before the conference, you will receive a personalized link that will give you access to the conference planner, where you can also download the abstracts of the contributions.

### ► FRAMEWORK PROGRAM<sup>\*\*)</sup>

|                                                                  |                |
|------------------------------------------------------------------|----------------|
| <b>Get Together &amp; Science Slam</b><br>May 10, 2026           | € 30,00        |
| <b>JWF – Snacks &amp; Science</b><br>May 10, 2026                | free of charge |
| <b>Marine Conservation Tour</b><br>May 11, 2026                  | € 10,00        |
| <b>Young Water Forum (JWF),<br/>Career Lunch</b><br>May 12, 2026 | free of charge |
| <b>Townhall Tour</b><br>May 12, 2026                             | € 10,00        |
| <b>Networking Dinner</b><br>May 12, 2026                         | € 60,00        |

<sup>\*\*)</sup>  These amounts include statutory VAT.

### ► REGISTRATION

The high interest in the WASSER 2026 conference is expected once again. Please register online as soon as possible to secure your participation:

[www.gdch.de/wasser2026](http://www.gdch.de/wasser2026)

## GENERAL INFORMATION

GESELLSCHAFT DEUTSCHER CHEMIKER e.V.

(German Chemistry Society)

Claudia Birkner – Event Team

Postfach 90 04 40

60444 Frankfurt am Main

Phone: +49 69 7917-366

E-mail: [c.birkner@gdch.de](mailto:c.birkner@gdch.de)

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

If you have a voucher for free registration, please send it to Claudia Birkner, [c.birkner@gdch.de](mailto:c.birkner@gdch.de). You will receive a personalized registration link.

Payment is generally made by credit card or direct debit. The invoice will be sent to you separately.

If you register and pay the invoice amount after **April 26, 2026**, please present the payment receipt when collecting your materials at the conference office. Payments at the conference office can only be accepted by credit card or EC card. The following credit cards are accepted: Amex, MASTERCARD, VISA.

Cancellation of registration by **March 30, 2026**, incurs a processing fee of € 25.00. For cancellations at a later date or non-participation, unfortunately no refunds can be made. The full invoice amount will be due.

Should the conference unexpectedly need to be canceled by the GDCh for any reason, already paid fees 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: 5013 26 / Wasser 2026

### ► TRAVEL

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In the interests of sustainability and as a contribution to reducing CO<sub>2</sub> emissions, we generally recommend all participants to travel by Deutsche Bahn.

The Atlantic Hotel Kiel is located in the middle of Kiel opposite of the main train station.

Further information how to get there can be found under:  
<https://www.atlantic-hotels.de/en/hotel-kiel/location-arrival>

#### **Parking:**

The hotel has an underground parking garage.

### ► BREAK TIME DRINKS

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Drinks during the coffee breaks are included in the registration fees and are free for participants.

### ► LUNCH

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There are many options for lunch in the area on a self-pay basis.

### ► DATA PROTECTION & IMAGE RIGHTS

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The data collected during registration will be used for processing your participation in this event and for creating a participant directory. You also consent to your data being collected and used by the Society of German Chemists e.V. (GDCh)/ Water Chemistry Society for sending information about GDCh/ WG events.

The personal data collected for the aforementioned purposes will be processed and used in accordance with the EU General Data Protection Regulation (EU-GDPR). Furthermore, we would like to point out that the collection, processing, and use of your data is based on a voluntary basis.

During and before the event, photo and video recordings may be made. These can be used by the GDCh/Water Chemistry Society for documentation, reporting, as well as for advertising and marketing purposes, and in connection with publications (e.g., from lectures, scientific contributions, etc.).

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

### ► ROOM RESERVATION

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For participants of the conference, room contingents in various price ranges are available. The rooms can be accessed and booked online. The link for online reservation can be found on [www.gdch.de/wasser2026](http://www.gdch.de/wasser2026).

The number and duration of the room contingents are limited. Therefore, we recommend making bookings early!

All matters regarding reservations and payment for overnight stays are the responsibility of the booker.

**We explicitly point out that the payment obligation for reserved and unused rooms lies with the booker.**

## GENERAL INFORMATION

### ► INQUIRIES ABOUT THE PROGRAM AND ORGANIZATION

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

+49 261 1306-5408

wasserchemische-Gesellschaft@bafg.de  
<https://www.wasserchemische-gesellschaft.de>

### ► INQUIRIES BEFORE AND AFTER THE EVENT

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Claudia Birkner  
German Chemical Society (GDCh)  
GDCh Event Team/Wasser 2026  
Varrentrappstr. 40 - 42  
60486 Frankfurt am Main

+49 69 7917-366  
[c.birkner@gdch.de](mailto:c.birkner@gdch.de)

[www.gdch.de/wasser2026](http://www.gdch.de/wasser2026)

Managing Director: Dr. Tom Kinzel  
Register Number with the Association Register:  
VR 4453 Registergericht Frankfurt am Main

## NOTES



## NOTES

## EXHIBITORS AND SPONSORS

We thank our exhibitors/sponsors  
for supporting the conference.

### PREMIUM



Zweckverband  
Landeswasserversorgung



### CLASSIC



Landesamt für Natur,  
Umwelt und Klima  
Nordrhein-Westfalen

