

References Awards & Scientific Publications

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This document covers information about VWMS customers in different application fields and awards won for the technology as well as a list of peer-reviewed scientific publications.



Romaqua — Mineral Water Production Romania, Customer:

2 ColiMinder in 2 bottling plants

Application: Online monitoring of microbiological water quality of two mineral water wells

and quality control throughout entire bottling process.

Task: Safeguarding product quality, enable evidence-based

> decision-making to CIP (Clean in Place) based on information of actual microbiological level, testing final product prior to delivery, increase safety and efficiency of

the bottling process.

Target organism: Total Microbiological Activity (ALP)

Contact: further information available through VWMS

Customer: **Nestlé Waters**

Application: Piloting the ColiMinder

Task:

Target organism:

Customer:

Contact: no disclosure of information possible due to an NDA.

Major international soft drink bottling company, South Africa

Application: Online monitoring of microbiological water quality of water production from

municipal tap water and quality control though out the soft drink production

Romaqua Group

BORSEC

process.

Task: Safeguarding product quality and increase safety and efficiency of the soft

drink production process.

Target organism: Total Microbiological Activity (ALP)

Contact: further information available through VWMS

Customer: Major international bottling company, Austria

Application: Pilot and technology evaluation using the ColiMinder for continuous

monitoring of raw water intake and tanks.

Task: Safeguarding product quality, increase safety and efficiency of bottling

process.

Target organism: Total Microbiological Activity (ALP)

Contact: further information available through VWMS



Customer: WSD – public **W**ater **S**upply **D**epartment, Hong Kong

Application: Technology evaluation project: "Pilot Trial on the use of novel on line

monitoring technology for fast process monitoring of microbial quality at water

treatment works"

Task: Ensuring microbial safety in drinking water supply.

Target organism: Total Microbiological Activity (ALP)

Contact: via VWMS

Water Supplies Department

The Government of the Hong Kong Special Administrative Region

Customer: Unitywater - drinking water utility, Australia

Application: Online monitoring of microbiological water quality of final drinking water in

Unitywater's network, installed at BliBli reservoir.

Task: Ensuring safety of drinking water supply.

Target organism: Total Microbiological Activity (ALP)

Contact: via Optimosgroup, ColiMinder distributor for Australia

Mr. Phil Krasnostein

phil@optimosgroup.com.au

Customer: **De Watergroep**, national drinking water supply, Belgium

Application: Scientific "rapid microbiology" techniques comparison: Online monitoring of

microbiological water quality in a national drinking water network. During evaluation period, different spiking trials with various water qualities.

Task: Ensuring safety of drinking water supply. Results of evaluation prove the

sensitivity and reliability of the ColiMinder.

Target organism: Total Microbiological Activity (ALP)

Contact: Han Vervaeren

De Watergroep Vooruitgangstraat 189 B - 1030 Brussels

Email: Han. Vervaeren@dewatergroep.be

Web: www. dewatergroep.be



Customer: Bathurst Regional Council, municipal drinking water supply, Australia

Application: Online monitoring of raw water quality for drinking water production –

installed at pumping station located in a 21 km long pipeline between reservoir

and drinking water production facility

Task: Ensuring safety of drinking water supply

Target organism: E. coli

Contact: Phil Krasnostein

Director

Optimos Solutions (VWMS' distribution partner)

Mobile: +61 409359155 Email: phil@optimosgroup.com Web: optimosgroup.com

Customer: MEKOROT, Israel's public water supplier

Application: online monitoring of drinking water supply and delivery network with

ColiMinder ERU

Task: Ensuring safety of drinking water supply and network

Target organism: E. coli and Total Activity (ALP)

Contact: Dalit Vaizel-Ohayon, PhD

Chief Bacteriologist

Mekorot National Water Company Jordan District, Central Laboratory P.O.Box 610 Nazareth Illit 17105, Israel

Tel: +972 4 6500685

Mobile phone: +972 50 7126839 Email: dvaizel@mekorot.co.il

Customer: Ville de Laval, municipal drinking water supply, Canada

Application: The ColiMinder is installed at raw water intake from river "Rivière des Mille

Îles" to a drinking water plant

Task: Monitoring of microbiological quality of raw

water

Target organism: E.coli

Contact: via VWMS

Customer: Seoul Water Institute, Public drinking water

supplier of Seoul Metropolitan Government, Republic of Korea

Application: Drinking water production, monitor biological performance of activated carbon

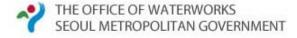
filtration/adsorption system

Task: Monitoring quality and functionality of activated carbon filter activity and its

backwashing

Target organism: Total Microbiological Activity (ALP)

Contact: via VWMS GmbH





ISRAEL NATIONAL WATER CO.

Customer: **EVN**, public drinking water supplier, Lower Austria

Application: Monitoring of drinking water wells, riverbank filtration wells, storage tanks and

supply network.

Task: monitoring for early detection of contamination; rapid response on

contaminations, ensuring safety in public drinking water supply

Target organism: E. coli for wells & raw water and Total Activity (ALP) for network and storage

Contact: Christian Eidher

EVN Wasser Gesellschaft m.b.H 2344 Maria Enzersdorf Tel.: +43 2236 446 01-28508

Christian.eidher@evnwasser.at I www.evnwasser.at

EVN

Customer: Gemeinde Weiden an der March (Municipality), Lower Austria

Application: Monitoring of drinking water production quality and performance

Task: The ColiMinder is monitoring at raw water intake and after activated carbon

filtration to control process performance. After activated carbon filtration a UV disinfection is installed. The municipality intends to switch off UV disinfection in

case contamination is low according to ColiMinder results.

Target organism: Total Microbiological Activity (ALP)

Contact: Franz Neduchal

Vice Mayor of Gemeinde Weiden an der March

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2295 Weiden an der March, Austria web: www.weiden-march.at e-mail: info@weiden-march.at

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Customer: Eau de Paris - public water utility for Paris

Application: using 2 ColiMinder devices for

1. surface water monitoring in different public recreation areas, dedicated for

swimming competition at Olympic Games 2024

2. deployment in raw water monitoring for **drinking water production**

3. monitoring combined sewer overflows in rivers and recreational waters

4. monitoring drinking water production in a DWP

Task: ensuring safety in bathing waters / enabling quick reaction on contamination

events / monitoring drinking water safety

Target organism: E. coli, Enterococcus in some cases

Contact: Dr Sophie Haenn

Microbiologist

19, rue Neuve-Tolbiac CS 61373 75214 PARIS Cedex 13 I France

www.eaudeparis.fr

sophie.haenn@eaudeparis.fr



Customer: Ville de Paris – Government of the City of Paris

Application: using 2 ColiMinder for surface water monitoring of a bathing scene at Seine

River, dedicated for swimming competition at Olympic Games 2024

Task: Ensuring safety in bathing waters, enabling quick reaction on contamination

events (closing/opening beaches)

Target organism: E. coli, Enterococcus in some cases

Contact: Marion Delarbre

Bureau de Miguel GILLON-RITZ

Responsable du pôle d'expertise grand cycle et qualité de

l'eau I Direction de la Propreté et de l'Eau 27 rue du Commandeur 75014 PARIS, France

marion.delarbre@paris.fr



Customer: EKEO, Energizing Kowloon East Office, Smart City Project, together with CEDD

(Civil Engineering Development Department), Hong Kong

Application: The ColiMinder is installed to monitor E. coli level at Kwun Tung Typhoon Shelter

at the former airport in Hong Kong, an urban development site

Task: Monitoring fecal contamination in surface & recreational water

Target organism: E. coli saline





Customer: Ville Saint-Jérôme, municipal bathing water and drinking water, Canada

Application: The ColiMinder is installed at raw water intake from a river to a drinking water

production, at the same time monitoring a bathing site nearby.

Task: Monitoring of microbiological quality of surface and

raw water

Target organism: E. coli

Customer: Ville de L'Assomption, municipal bathing water and

drinking water production, Canada

Application: The ColiMinder is installed at raw water intake from a river to a

drinking water production, at the same time monitoring a

bathing site nearby.

Task: Monitoring of microbiological quality of surface and raw water

Target organism: E. coli

Contact: via VWMS

Customer: University of Tokyo

Application: surface water monitoring in different public

recreation areas, also the ones dedicated for

swimming competition at upcoming

Olympic Games

Task: ensuring safety in bathing waters, enabling quick reaction on contamination

events

Target organism: E. coli

Contact: Prof. Hiroyuki Katayama

University of Tokyo

Department of Urban Engineering, Graduate School of Engineering

Bunkyo-ku, Tokyo, 113-8656 I Japan

Customer: major water company in France, via VWMS' partner SubseaTech

Application: monitoring bathing water quality at Marseille's Mediterranean beaches

Task: Measurements of different samples from beaches at Mediterranean Sea in

Southern France, using the ColiMinder ERU in a car, in order to open / close beaches for swimming and helping to identify sources of contamination

Target organism: E. coli / Enterococcus in saline water



L'ASSOMPTION



Contact: Yves Chardard, Président / CEO

SUBSEA TECH

Marine and Underwater Technologies

167 Plage de l'Estaque 13016 Marseille - France

T: +33 (0)4 91 51 59 59 www.subsea-tech.com

yves.chardard@subsea-tech.com

Customer: NIWA - National Institute of Water and Atmospheric Research

Application: Surface water monitoring using ColiMinder ERU in different applications and

both fresh and saline waters.

Task: scientific studies, validations, research projects

Target organism: E. coli, Enterococcus in Fresh-/Saline-Waters

Contact: **Dr Rebecca Stott**

Environmental Health I Microbiology Scientist

Gate 10 Silverdale Road, Hillcrest

Hamilton | New Zealand

www.niwa.co.nz

Rebecca.Stott@niwa.co.nz



KIT - Karlsruhe Institute of Technology Karlsruher Institut für Technologie

Application:

Surface water monitoring in different applications using

ColiMinder Mobile. Current project: karstic spring monitoring throughout

Europe

Task: scientific studies, validations, research projects in real world setting

Target organism: E. coli

Customer:

Contact: Prof. Nico Goldscheider

> Karlsruhe Institute of Technology Institute of Applied Geosciences Nico.goldscheider@kit.edu

Kaiserstr. 12

76131 Karlsruhe I Germany

Customer: Université Polytechnique de Montréal

Application: monitoring of surface water and raw water in drinking water production,

bathing water and sewage plant discharge using 6 ColiMinder devices

Task: scientific validation of the technology; helping municipalities and

other institutions to ensure water safety

Target organism: E. coli

Contact: Sarah Dorner, PhD

> Canada Research Chair in Source Water Protection Department of Civil, Geological and Mining Engineering

Polytechnique Montréal Tel: 514-340-4711 ext. 3711



http://www.polymtl.ca/

Customer: AgResearch, New Zealand

Application: monitoring of surface water in agricultural production and

land use

Task: Monitoring at different sites / of different streams and

effluents in agricultural land use and production

Target organism: E. coli

Contact: via VWMS





Customer: **DSD - Drainage Service Department**, public

wastewater institution Hong Kong, with ARUP

International Consultancy

Application: Sewage treatment monitoring and controlled

> disinfection at Stonecutters Island Sewage Treatment Works (SCISTW), one of the world's largest wastewater treatment plants.

Drainage Services Department

ARUP

Target organism: E. coli (saline water)

Task:

official statement from DSD dated 2018:

DSD and ARUP present an innovative project at Hong Kong's Stonecutters Island Treatment Works (SCISTW).

As an attempt to adopt new technology in order to improve efficiency and efficacy of sewage treatment, DSD and ARUP are trialing VWMs' ColiMinder technology at HK Stonecutters Island.

The treatment works at Stonecutters Island consists of Chemically Enhanced Primary Treatment (CEPT) and disinfection with Sodium Hypochlorite. The SCISTW services a population of more than 5 Million and with a design ADWF of 2,450,000 m³/d is it one of the world's largest CEPT wastewater treatment plants.

Sodium Hypochlorite for disinfection consists as one of the significant operating costs. A number of inherent technical issues, including variable wastewater chlorine demand and fluctuating environmental conditions provide a challenge for the operators to optimize the chemical consumption while meeting disinfection objectives.

The goal of DSD and ARUP is to:

- Improve process efficiency
- Safeguard water quality

The trial has been under way since December 2017 and so far over 5,000 measurements have been recorded without failure or need for re-calibration of the unit. While the trial period is planned for 12 months in order to cover all expected process conditions, initial performance indicates that the equipment is reliable and the relationship between ColiMinder and Laboratory results is positive.

Contact:

Alan S. Yuen

ATAL Engineering Ltd (ColiMinder distributor for Hong Kong),

Headquarters: 13/F, Island Place Tower, 510 King 's Road, North Point

Hong Kong

Mobile: +85228113321 E-Mail: alanyuen@atal.com Customer: MSD Cincinnati, Ohio, US

Application: Controlled disinfection in sewage treatment discharge, monitoring before and

after disinfection

Task: Monitoring sewage treatment process performance

Target organism: E. coli

Contact: via VWMS GmbH

METROPOLITAN SEWER DISTRICT of greater CINCINNATI

Customer: Trojan UV in cooperation with Western University, Ontario, Canada

Application: Controlled disinfection in sewage treatment discharge

Task: Monitoring sewage contamination after UV disinfection

Target organism: E. coli

Contact: via VWMS GmbH





Customer: Herlev Hospital in cooperation with DHI Group, Denmark

Application: DHI acted as engineering company for a hospital sewage plant discharge quality

monitoring, using the ColiMinder to monitor membrane integrity in a public hospital's MBR plant. **Project has been awarded by Danish EPA as "BAT" (Best Available Technology).** The hospital has overtaken operation of the plant.

Task: Fully automated contamination monitoring of sewage plant discharge before

drained into a recreational area. Automatic warnings in case of increased

contamination due to broken UF membranes.

Target organism: E. coli

Contact: Claus Jørgensen

DHI Group Agern Alle 5 DK-2970 Hørsholm

E-Mail: clj@dhigroup.com www.dhigroup.com









Customer: Producer of metal working fluids, Europe

Cannot be named due to an existing NDA.

Application: Monitoring of microbiological contamination in metal working fluids in

industrial production process.

Task: Automated quality monitoring and disinfection

Target organism: Total Activity (ALP)

Contact: via VWMS

... more customers are using the ColiMinder, and many more will do so. List to be continued.

AWARDS won by ColiMinder

GLOBAL CHALLENGE: ISRAEL: BACTERIA DETECTION

CONNECTING INNOVATIVE SOLUTIONS WITH THE MEKOROT NATIONAL WATER UTILITY - ISRAEL

2019:

September 2019:

Winner of the MEKOROT -Bacterial Detection Challenge

2016:

October 2016 WaterSmart Innovations Conference

LAS VEGAS Channels for Innovation Summit:

MOST INNOVATIVE NEW TECHNOLOGY

July 2016 Singapore Water Week

TechXchange: WINNER OF INNOVATION AWARD

- > 1st Place voted by the Jury
- 1st Place voted by TechXchange Participants

Jan 2016 International Water Summit ABU DHABI

Innovate@IWS: FIRST PLACE INNOVATOR

WINNER OF INDUSTRIAL WATER SECTOR

2015:

- 3/2015 Neptun Water- Award
- 3/2015 Science2business Award 2015

2014:

- 12/2014 STEP AWARD Germany TOP 20
- 11/2014 Austrian Young Entrepreneurs Competition Winner Category Environment
- 11/2014 Austrian Young Entrepreneurs Competition 9. Rank
- 10/2014 NÖ Future Award 2. Rank
- 10/2014 Green Business Award 2014 1. Rank
- 10/2014 Cisco + Pioneers Innovation Challenge Top 50
- 10/2014 Innovationspreis 2014 outstanding Innovation
- 09/2014 DAPHNE Environment Award awarded Excellent Project























2014 TOP 50





2013:

- 12/2013 RIZ Niederösterreich Genius Ideas Award 3. Rank
- 10/2013 GC- Genius Ideas Competition 2013 2. Rank Product Development
- 11/2013 Austrian Young Entrepreneurs Competition 62. Rank



List of scientific publications

- A. List of peer-reviewed publications
- B. Further references (articles, oral presentations, poster presentations)

A. List of peer-reviewed publications

- Favere, J., Waegenaar, F., Boon, N., & De Gusseme, B. (2021). Online microbial monitoring of drinking water: How do different techniques respond to contaminations in practice? *Water Research*, 117387. https://doi.org/10.1016/j.watres.2021.117387.
- Burnet, J.-B.; Habash, M.; Hachad, M.; Khanafer, Z.; Prévost, M.; Servais, P.; Sylvestre, E.; Dorner, S. (2021). Automated Targeted Sampling of Waterborne Pathogens and Microbial Source Tracking Markers Using Near-Real Time Monitoring of Microbiological Water Quality. Water, 13, 2069. https://doi.org/10.3390/w13152069
- Sylvestre, É., Prévost, M., Burnet, J.-B., Smeets, P., Medema, G., Hachad, M., & Dorner, S. (2021). Using surrogate data to assess risks associated with microbial peak events in source water at drinking water treatment plants. *Water Research*, 200, 117296. https://doi.org/10.1016/j.watres.2021.117296. *In press*
- Sylvestre, É., Prévost, M., Burnet, J.-B., Pang, X., Qiu, Y., Smeets, P., Medema, G., Hachad, M., & Dorner, S. (2021).

 Demonstrating the reduction of enteric viruses by drinking water treatment during snowmelt episodes in urban areas. *Water Research X*, 11, 100091. https://doi.org/10.1016/j.wroa.2021.100091
- Cazals, M., Stott, R., Fleury, C., Proulx, F., Prévost, M., Servais, P., Dorner, S., & Burnet, J.-B. (2020). Near real-time notification of water quality impairments in recreational freshwaters using rapid online detection of β-D-glucuronidase activity as a surrogate for *Escherichia coli* monitoring. *Science of The Total Environment, 720,* 137303. https://doi.org/10.1016/j.scitotenv.2020.137303
- Sylvestre, É., Burnet, J., Dorner, S., Smeets, P., Medema, G., Villion, M., Hachad, M., & Prévost, M. (2020). Impact of Hydrometeorological Events for the Selection of Parametric Models for Protozoan Pathogens in Drinking-Water Sources. *Risk Analysis*, risa.13612. https://doi.org/10.1111/risa.13612
- Sylvestre, É., Burnet, J.-B., Smeets, P., Medema, G., Prévost, M., & Dorner, S. (2020). Can routine monitoring of *E. coli* fully account for peak event concentrations at drinking water intakes in agricultural and urban rivers? *Water Research*, *170*, 115369. https://doi.org/10.1016/j.watres.2019.115369
- Demeter, K., Burnet, J.-B., Stadler, P., Kirschner, A., Zessner, M., & Farnleitner, A. H. (2020). Automated online monitoring of fecal pollution in water by enzymatic methods. *Current Opinion in Environmental Science & Health*, 16, 82–91. https://doi.org/10.1016/j.coesh.2020.03.002
- Burnet, J.-B., Sylvestre, É., Jalbert, J., Imbeault, S., Servais, P., Prévost, M., & Dorner, S. (2019). Tracking the contribution of multiple raw and treated wastewater discharges at an urban drinking water supply using near real-time monitoring of β-d-glucuronidase activity. *Water Research*, *164*, 114869. https://doi.org/10.1016/j.watres.2019.114869
- Burnet, J.-B., Dinh, Q. T., Imbeault, S., Servais, P., Dorner, S., & Prévost, M. (2019). Autonomous online measurement of β-D-glucuronidase activity in surface water: Is it suitable for rapid *E. coli* monitoring? *Water Research*, *152*, 241–250. https://doi.org/10.1016/j.watres.2018.12.060
- Stadler, P., Loken, L. C., Crawford, J. T., Schramm, P. J., Sorsa, K., Kuhn, C., Savio, D., Striegl, R. G., Butman, D., Stanley, E. H., Farnleitner, A. H., & Zessner, M. (2019). Spatial patterns of enzymatic activity in large water bodies: Shipborne measurements of beta-D-glucuronidase activity as a rapid indicator of microbial water quality. Science of The Total Environment, 651, 1742–1752. https://doi.org/10.1016/j.scitotenv.2018.10.084
- Ender, A., Goeppert, N., Grimmeisen, F., & Goldscheider, N. (2017). Evaluation of β-d-glucuronidase and particle-size distribution for microbiological water quality monitoring in Northern Vietnam. *Science of The Total Environment*, *580*, 996–1006. https://doi.org/10.1016/j.scitotenv.2016.12.054

- Stadler, P., Blöschl, G., Vogl, W., Koschelnik, J., Epp, M., Lackner, M., Oismüller, M., Kumpan, M., Nemeth, L., Strauss, P., Sommer, R., Ryzinska-Paier, G., Farnleitner, A. H., & Zessner, M. (2016). Real-time monitoring of beta-d-glucuronidase activity in sediment laden streams: A comparison of prototypes. *Water Research*, 101, 252–261. https://doi.org/10.1016/j.watres.2016.05.072
 - B. Further references (articles, oral presentations, poster presentations)
- Vogl, W. (2021). Fully Automated Rapid Microbiology—Basic Considerations Regarding Different Measurement Approaches And Evaluation Of The Enzymatic Measurement Approach. Singapore International Water Week 2021 Online.
- Beyer-Reiter, J., & Vogl, W. (2019). *Rapid detection of microbiological contamination by measurements of specific enzymatic activity*. IWA-HRWM, Vienna.
- Vogl, W. (2019). Rapid enzymatic activity measurement as an indicator of microbiological contamination—Results after 6 years of validations and experiments in different applications. IWA-ASPIRE, Hong Kong.
- Burnet, J.-B. (2018). *Tracking the contribution of multiple treated wastewaters and CSO discharges at drinking water intakes by online E. coli monitoring*. Water Quality Technology Conference 2018, Toronto, Canada.
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- Burnet, J.-B. (2017a). *Analytical validation of automated high frequency monitoring of beta-D-glucuronidase activity in drinking water supplies*. 2017 AWWA Water Quality Technology Conference, Portland, Oregon.
- Burnet, J.-B. (2017b). Automated high frequency monitoring of 6-D-glucuronidase activity in drinking water supplies in *Québec, Canada*. UNC Water Microbiology Conference 2017 & 19th International Symposium on Health-Related Water Microbiology, Chapel Hill, NC, USA.
- Lackner, M., Stadler, P., & Grabow, W. (Eds.). (2017). *Handbook of Online and Near-real-time Methods in Microbiology*. CRC Press.
- Milne, J., Madarasz-Smith, A., & Davie, T. (2017). Recreational water quality monitoring and reporting in New Zealand.
- Stott, R. (2017). *Moving to real-time measurement of microbial health risks in rivers* [Presentation]. 5th Biennial Symposium of the International Society for River Science, Hamilton, New Zealand.
- Sylvestre, É. (2017). Do Current Regulatory Monitoring Frameworks Account for Microbial Risk Associated with Peak Contamination Events? UNC Water Microbiology Conference 2017, Chapel Hill, NC, USA.
- Vogl, W. (2016). Fully Automated Online Measurement of Bacterial Contamination in Water. European Wastewater TAG 8, London, UK.
- Koschelnik, J., Vogl, W., Epp, M., & Lackner, M. (2015). Rapid analysis of β-D-glucuronidase activity in water using fully automated technology. *WIT Transactions on Ecology and the Environment*, *196*, 471–481. https://doi.org/10.2495/WRM150401
- Lendenfeld, T., & Vogl, W. (2015). Bestimmung der mikrobiologischen Wasserqualität—Neue Methoden—Online Analytik. ÖWAV, Vienna, Austria.
- Stadler, P. (2015). Rapid and on-site monitoring of beta-d-glucuronidase activity identifies the dynamics of E. coli in surface waters draining an agricultural catchment. 17th IWA International Conference on Diffuse Pollution and Eutrophication, Berlin, Germany.
- Vogl, W. (2015). Tests and case studies in using rapid and automated measurement technology for detection of faecal contamination. SWIG Conference, Manchester, UK.
- Koschelnik, J. (2014a). MFU/100ml: New Measurement Parameter for Rapid Enzymatic Monitoring of Fecal-Associated Indicator Bacteria in Water. UNC Water and Health Conference 2014, Chapel Hill, NC, USA.
- Koschelnik, J. (2014b). Rapid analysis of ß-D-glucuronidase activity in water using fully automated technology. Water Pollution 2014, Portugal.
- Vogl, W. (2014a). Automatisierte Messung der mikrobiologischen Wassergüte für die Prozesssteuerung. VDI Workshop, Vienna, Austria.
- Vogl, W. (2014b). Measurement of fecal contamination (E. coli, Coliforms). Water Innovation, Brussels, Belgium.

- Vogl, W. (2013a). Quantitative Real-Time Fluorescence Spectrometer for Automated Analysis of Microbial Contamination in Surface/Sanitary Water. Tradeshow Wasser Berlin, Berlin, Germany.
- Vogl, W. (2013b). Rapid Analysis of Microbial Contamination in Water. Acquea 2013, Brussels, Belgium.
- Vogl, W. (2013c). Rapid Detection of E. coli in Surface Waters for Quality and Health Monitoring Using Fluorescence-Based ColiMinder V. WaterMicro2013 - 17th International Symposium on Health-Related Water Microbiology, Florianópolis, Brazil.