



Andreas Kolch PhD.

Mr. Dr. Kolch is a water market expert with a focus on advanced treatment and disinfection technologies. He is a Vice President and board member of the International Ultraviolet Association and member of the editorial board for the Journal Ozone Science and Engineering and serves on the technical advisory panel for APTwater Inc., CA.

Dr. Andreas Kolch has worked in senior positions in the water treatment sector for many years. Before he founded Hytecon, where he is a Partner and Managing Director, he was responsible for Research and Development for Wedeco GmbH; and was Head of Development, Senior Vice President and Board Member of ITT Wedeco. In this position he was responsible for a variety of Ozone and UV treatment product launches. In addition he represented the company for all technical aspects within the investment relation arena and led numerous technical due diligence and M&A projects. Furthermore he was responsible for the companies patent portfolio strategy. During his tenure as a board member the companies patents tripled, the company sold the largest systems worldwide for Waste- and Drinking Water and the company had the highest turnover in comparison to all other UV- and ozone companies.

EDUCATION

Master of Science University
Microbiology of Bonn 1991
Ph.D. Microbiology University of Bonn
1994

Professional Education

VBSS Greenbelt, University of Michigan
Development Tools (Stage Gate, Robert
Cooper; Value Model, NIMBA)
Strategic Management, Ashridge College
Balanced Score Card, Management

Circle

Modern Finance Management, Boston
Business School

PROFESSIONAL AFFILIATIONS

Member of Austrian, German and Swiss
Work Group for UV System Standards
(DVGW, OE Norm)

EPA Stakeholder Committee UV
Guidance Manual

ETV Water Quality Protection Centre
Technology Participant

President International Ultraviolet
Association 2005-2007

Vice President International Ultraviolet
Association 2009-present

Editorial Board Member for the IOA

Journal „Ozone Science & Engineering“
Consulting of Malteser Aid organization
about water treatment in emergency
situations

Corporate IWA Member

Highlights of Recent Projects:

- •Development services for a new water treatment unit treating fluids in the pharmaceutical water treatment sector
- Development services for a new UV disinfection system treating municipal waste water for a UK based international water treatment company
- Consulting on technical strategy and product portfolio matters for a UK based international water treatment company
- Conceptual design of new a water treatment device for a Swiss water treatment company
- •Development services for a water treatment device used in airplanes
- •Market study for a UK based water agency
- Investment contact introduction for a German company in the renewable energy sector
- Market study for a cooperation partner on an enzymatic based treatment process
- Guidance throughout the certification process for a ballast water treatment technology
- Consulting services for a Californian based water treatment company in the field of Advanced Oxidation
- Evaluation of a water disinfection device for the Technical University of Berlin

Andreas Kolch Ph.D.

the last 20 years; a selection can be found in the following list:

Articles

Kolch, A.: Sewage Disinfection Towards Protection Of Drinking Water Resources; Water Sanitation and Health – Resolving Conflicts between Drinking Water Demands and Pressure From Society's Wastes, Proceedings of the International WHO Conference Bad Elster, Germany 1998, ISBN 3-932816-34 X

Clauß, M., Kolch A. and R. Mannesmann: Photoreactivation Of Escherichia coli And Yersinia Enterocolitica After Irradiation with a 222 nm Excimer Lamp Compared to A 254 nm Low Pressure Mercury Lamp, Acta Hydrochemica Et Hydrobiologica, Vol. 33/6 2004

Kolch, A.: A New Technology For Endoscope Treatment – The Complex Method, DeviceMed 06 2007 (in German)

Kolch, A.: UV Disinfection: Past, Present and Future: 13th Ozone World Congress, Kyoto 1997

Kolch, A.: New Design Criteria for UV Disinfection Systems Regarding Municipal Waste Water Discharges; Disinfection Baltimore 1998

Kolch, A.: A Report on UV Technology; Forum Paper, Water Berlin 2000

Kolch, A.: UV Disinfection of Waste Water in Europe: Disinfection New Orleans 2000

Salveson, A., Solnik D., Kolch, A., Snyder S. and D. Gerrity: Hydro Non Thermal Plasma For Advanced Oxidation of Water; 13th Annual Water Reuse and Desalination Research Conference, May 2009

Solnik, D., Kolch, A., Goel, N. and Salveson, A.: Non Thermal Plasma – A Novel and Cost

Publications

Dr. Kolch authored and co-authored about 50+ articles and papers during

Conference Papers

Andreas Kolch Ph.D.

Disinfection Results ?; IUVA Workshop

New Delhi 2006

*Kolch, A.: UV-Disinfection Of Drinking
Water – The New DVGW Worksheet W
294, IUVA News 2007 and BBR, 06 2007
(in German)*

Lectures

*Drinking Water Hygiene; University of
Applied Science Ostwestfalen Lippe,
2008*

Appearance in TV Media

*Water Disinfection with UV Treatment;
3Sat “Nano”, August 2000*

IUVA News and Conferences

*Kolch, A.: How
Predictable Are Your*