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Work Experience

05/2023 – current	University of Bern, Institute of Geography and Oeschger Centre for Climate Change Research , Bern, Switzerland Researcher Environmental Chemistry and Paleolimnology
03/2020 – 10/2021	UMTEC - University of Applied Science Rapperswil , Switzerland Lecturer and Project lead water quality
07/2019 - 03/2020	Eawag Environmental Chemistry , Dübendorf, Switzerland PostDoc Project lead MS ² field instrument measuring pesticides in rivers
09/2018 - 03/2019	VSA , Association of Swiss wastewater and water protection experts, Glattbrugg, Switzerland Project support for Federal Government (BAFU) & VSA „Emissions from industry and commerce into Swiss water bodies“
06/2017 - 09/2018	Arcadis Switzerland AG , Schlieren, Switzerland Project lead chemical risk assessment and remediation
04/2013 - 04/2017	EU Marie-Curie Fellow , Eawag Dübendorf, Switzerland Fellow Initial Training Network „SEWPROF“ <ul style="list-style-type: none">○ Improving the methods of wastewater-based epidemiology○ Calculating illicit drug consumption from wastewater samples○ Dissertation at ETH Zurich Switzerland

Education

04/2013 – 04/2017	PhD Environmental Engineering ETH Zurich Process Engineering & Water Research Institute Eawag, Zurich, Switzerland <ul style="list-style-type: none">○ EU Marie-Curie Fellow, Initial Training Network <i>SEWPROF</i>○ Focus on micropollutants in wastewater○ Title of Dissertation “<i>The Role of In-Sewer Transformation on Illicit Target Drug Residues to Estimate Community Drug Abuse Through Wastewater Analysis</i>”
08/2010 - 12/2012	MSc Environmental Engineering San Diego State University, San Diego, USA <ul style="list-style-type: none">○ Fulbright Fellowship Scholarship

- Title of Master Thesis: „*Influence of Biological Macromolecules on Silver Nanoparticle Stability and Toxicity to the Ammonia Oxidizing Bacteria Nitrosomonas europaea*“

08/2008 – 06/2009

Study Abroad & Bachelor Thesis

University of California San Diego, San Diego, USA

- Scholarship DAAD
- Title of Bachelor Thesis: „*The Effects of Light Limitation on the Physiological Response of T. psuedonana*“

10/2006 – 05/2010

BSc Environmental Technologies

University of Applied Science Bremen, Bremen, Germany

- Focus on water and wastewater treatment

Awards

10/2015

Best Presentation Award, conference „Testing the Waters II“, Monte Verita, Ascona, Switzerland

04/2013 – 03/2016

EU Marie Curie Fellowship, 7th Framework Program, Initial Training Network „SEWPROF“, PhD

08/2010 – 08/2012

Fulbright Fellowship, US Department of State, Master SDSU, San Diego, USA

09/2008 – 06/2009

DAAD Scholarship, German Academic Exchange Service, UCSD, San Diego, USA**Selected Publications**

2022

Stalder A.-K., Patrick, M., Burkhardt, M., et al., 2022. Mass Balance of Diethyltoluamide (DEET) in the Environment. *Technical Report for Federal Government (FOEN)*.

2020

Stalder A.-K., Patrick, M., Singer, H., et al., 2020. Echtzeit Erfassung von Pflanzenschutzmitteln und ausgewählten Abwasser-Markersubstanzen im Doubs mittels MS2field Trailer und Pyrethroid Spezialanalytik. *Technical Report for Federal Government (FOEN)*.

2019

Künzeli, M., Stalder A.-K., Niederer, C., 2019. Grundwasser und Erdwärmennutzung - Abschätzung der Gefährdung von Stoffen aus der Erdwärmennutzung auf das Grundwasser. *Technical Report for Federal Government (FOEN)*.

2017

Stalder (McCall), A.-K., Palmitessa R., Blumensaat, F., Morgenroth, E., Ort, C., 2017. Modeling in-sewer transformations at catchment scale – Implications on drug consumption estimates in wastewater-based epidemiology. *Water Research*.

2016

Stalder (McCall), A.-K., Scheidegger, A., Madry, M., Weissbrodt, D. G., Vanrolleghem, P. A., Kraemer, T., Morgenroth, E., Ort, C., 2016. Influence of Different Sewer Biofilms on Transformation Rates of Drugs. *Environmental Science & Technology*, 50 (24) 13351-13360.

2013

Stalder (Ostermeyer), A.K., Kostigen Mumuper, C., Semprini, L., Radniecki, T., 2013. Influence of bovine serum albumin and alginate on silver nanoparticle dissolution and toxicity to *Nitrosomonas europaea*. *Environmental Science & Technology*, 47: 14403-14410.