

Dr. Marc Horst von Essen (born Einsporn)

In brief:

Dr. Marc von Essen was born in northern Bavaria, where he went for a dual apprenticeship as chemistry laboratory assistant. At the same time, he became a recreational scuba diver which turned out being a tipping point for his future life. After only a few years, a contact to the Alfred-Wegener-Institute for Polar and Marine Research (AWI) in Bremerhaven was established and Marc decided to combine chemical analysis and water sports. Already during his studies, he was continuously employed at AWI, and, participating in several international seagoing expeditions. In Chile, at Spitsbergen, in Thailand or in the German bight, he focussed on chemical analysis of dissolved organic matter (DOM), supporting teams from various disciplines. For his PhD thesis, he skipped diving, spending one year in Kolkata, conducting studies on the River Ganges and in the Sundarban mangrove area. The time along the River Ganges opened plenty of new fields of interest. Thus, drinking water supply and waste water treatment came into his focus. Back in Germany, Marc finished his PhD at the University of Bremen in collaboration with the Leibniz-Center for Tropical Marine Ecology. In parallel he joined a masters course on "management in medium sized enterprises", to join AGROLAB, a large European laboratory group, as a product manager for environmental, water and beverage analysis. As the analysis of persistent organic pollutants (POPs) gained more and more interest, individual consulting projects gained importance. Combining these fields of interest, Marc joined LCTech in 2016 to develop environmental projects and applications. Loving to give lectures and discussing at workshops all around the globe, the way back to university kind of consequent. From summer term 2018, Marc will be a guest lecturer at University of Gdansk, giving a course entitled: "POPs: From global problems to individual effects – relations between environmental chemistry and public health".

Apprenticeship	
09/2000 – 02/2004	Chemistry lab worker , LAPP Insulator GmbH, Wunsiedel Germany
Studies	
01/2011 – 05/2014	Promotion in Faculty „Chemistry/Biology“ University of Bremen, Germany. Dissertation: „ <i>Estuarine biogeochemistry and enteropathogens in an endemic cholera region of West Bengal, India</i> “ (Dr. rer. nat. = PhD)
04/2012 – 03/2013	
09/2008 – 01/2011	Master Studies „Management in Medium Sized Enterprises“ , Focus: <i>Technology Management, Change Management und International Management</i> , University of Applied Sciences Bremerhaven, Germany
09/2005 – 09/2008	Master Studies „Biotechnology“ , Focus: <i>Marine Bio-Ressources</i> University of Applied Sciences Bremerhaven, Germany (Grade: M.Sc.)
	Bachelorstudium Maritime Technologien , Vertiefungsrichtung <i>Biotechnologie</i> , University of Applied Sciences Bremerhaven, Germany (Grade: B.Sc.)
Current Position	Independent Consultant

06/2016- until today	<p>International Projects of infrastructure business and Public-Private-Partnership, municipal waste water treatment and potable water supply with Prof. Dr. Carsten Haneke, Bremerhaven, Germany</p> <p>Examiner for the Chambers of Commerce in Munich and Passau, Germany</p> <p>Projectleader Environment/ Business development Manager at LCTech GmbH, Obertaufkirchen, Germany</p>
11/2016- until today	<p>Focussing on POP-cleanup and –analysis. Especially on PCB, PCDD/F, PBDD/F, PBDE, Pesticides and pharmaceutical residues in contaminated soil and water</p>
Professional Experience	
02/2014 – 05/2016	<p>Product Manager Environmental- Water and Beverage analysis at AGROLAB GmbH, Bruckberg, Germany</p>
01/2011 – 12/2013	<p>Intellectual leader for all group-wide municipal analysis. Special focus on potable water, waste water and sewage sludge analysis in Europe. Responsible for 14 labs, approx. 30 customer relations managers and lab leaders</p>
06/2013 – 09/2014	<p>Researcher at Leibniz-Center for Tropical Marine Ecology (ZMT) GmbH, Bremen, Germany. DFG/DST-Project: “Role of estuarine biogeochemistry on abundance and types of <i>Vibrio cholerae</i> in West Bengal: seasonality and relation with cholera incidence.” Koordinatoren: PD Dr. Rubén Lara, ZMT und Prof. Dr. Gopinath Balakrish Nair, National Institute of Cholera and Enteric Diseases (NICED), Kolkata</p>
06/2009 – 09/2013	<p><i>One year research stay (Januar bis Dezember 2011) in Kolkata and the Sundarban Mangroves (Indien) as deputy project leader.</i></p>
05/2010 – 12/2010	<p>Initiator and CEO Project: PLARIMAR (Plastic in Rivers and the Marine Realm) www.plarimar.de, Budget approx. 15.000 Euro p.a. (2013)</p>
03/2009 – 04/2010	<p>Initiator and CEO Conference series “YOUNMARES” (Young Marine Researchers and engineers) www.youmares.net, Budget approx. 20.000 Euro p.a. (2013)</p>
10/2005 – 08/2006	<p>Scientific assistant at Alfred-Wegener-Institute for Polar and Marine Research (AWI), Bremerhaven, Germany</p> <p>AG Ecological Chemistry. Prof. Dr. Gerhard Kattner, Prof. Dr. Boris Koch.</p> <p>Scientific assistant at Alfred-Wegener-Institute for Polar and Marine Research (AWI), Prof.</p>

Dr. Claudio Richter, Dr. Jürgen Laudien. Participation in three seagoing expeditions.

11/2009 – 04/2010 Andamanensee, Thailand. Project “Effects of pH dynamics on coral recruitment and early colony growth”

08/2009 – 09/2009 Ny Alesund, Spitzbergen. Project „Succession of benthic communities and benthic resilience in polar environments: a comparison“ und „Population dynamics of benthic cockle communities in polar environments”

03/2009 – 04/2009 Huinay, Chile. Project “Ecology of *Desmophyllum dianthus*”

Various positions as **research assistant** at Alfred-Wegener-Institute for Polar and Marine Research (AWI) especially at Ecotoxicology participating in plenty of seagoing expeditions to the German Bight and Heligoland.