

Name	Michael Böttcher
Position	University Professor and Vice Section Head IOW Associate MatNat Faculty, University of Rostock
Affiliation	Leibniz Institute for Baltic Sea Research (IOW) and EMA University of Greifswald
Higher education	<ul style="list-style-type: none"> • 2003 C.v.O. University of Oldenburg, Germany Habilitation in 'Geochemistry' • 1993 Geochemical Institute, G.A. University of Göttingen, FRG PhD in 'Geochemistry' • 1989 G.A.U. of Göttingen, Germany Diploma with first class honors in 'Geochemistry/Mineralogy'
Academic career	<ul style="list-style-type: none"> • 2013 to present (co) Editor-in-Chief, Chemical Geology • 2014 to present Advisory Editor 'Geochemistry', Springer Science • 2006 to present Head Geochemistry & Isotope Biogeochemistry Group, IOW Vice Head Marine Geology Section, Leibniz IOW University Professor Marine Geochemistry, EMA University Greifswald • 1997-2005 Scientist, Max-Planck Institute for Marine Microbiology, Biogeochemistry and Isotope Geochemistry, FRG • 1995-1997 Post-Doctoral Fellow, University of Oldenburg, ICBM, Microbiogeochemistry, FRG • 1989-1993 Research Assistant the Georg-August University of Göttingen, Sedimentgeochemistry, FRG
Teaching activities	<ul style="list-style-type: none"> • annually since 2012 Invited Lecturer, Coastal Science Summer School, AWI/IOW/HZG, FRG • 2009 Invited Lecturer, SSAS Summer School, Oviedo, Spain • since 2008 Lecturer, POMOR M.Sc. course, St. Petersburg, Russia • since 2006 <p>B.Sc.: Geochemie (lecture) Marine Geochemie (lecture) Geomarines Praktikum (practical course)</p> <p>M.Sc.: Oceanography for Geoscientists (lecture) Geochemical Proxies: Formation mechanisms and applications (lecture) Anoxic systems (lecture) Diploma level (2006-2007): Sedimentgeochemie (lecture) Geochemie Stabiler Isotope (lecture)</p>
Research and development projects during the past 5 years	Baltic, North, and Black Sea Systems; Redox gradients; Redox-sensitive elements, Stable Isotope biogeochemistry, Solid-solution aqueous-solution systems, Submarine Groundwater Discharge in coastal environments - Baltic Transcoast (2016-2020) DFG

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	<ul style="list-style-type: none"> - EXCALIBOR (2014-2016) DFG - BIOACID II (2012-2015) BMBF - SECOS I (2013-2016) BMBF - SECOS II (2016-2019) BMBF
Significant publications during the past 5 years	<p>Selected publications from overall 43 (2013-2017)</p> <p>Böttcher M.E., Mallast U., Massmann G., Moosdorf N., Müller-Petke M., Waska H. (2017) Coastal-Groundwater interfaces (submarine groundwater discharge). <i>Ecohydrological Interfaces</i>, Wiley Science, in press.</p> <p>Donis D., Janssen F., Liu B., Wenzhöfer F., Dellwig O., Escher P., Spitzky A., Böttcher M.E. (2017) Biogeochemical impact of submarine ground water discharge on coastal surface sands of the southern Baltic Sea. <i>Est. Coast. Shelf Sci.</i> 189, 131-142.</p> <p>Zheng Y.-F., Böttcher M.E. (2016) Oxygen isotope fractionation in double carbonates. <i>Isot. Environ. Health Stud.</i> 52, 29-46.</p> <p>Winde V., Böttcher M.E., Escher P., Böning P., Beck M., Liebezeit G. & Schneider B. (2014) Tidal and spatial variations of Dl^{13}C and aquatic chemistry in a temperate tidal basin during winter time. <i>J. Mar. Sys.</i> 129, 394-402</p> <p>Kowalski N., Dellwig O., Beck M., Gräwe U., Neubert N., Nägler T., Badewien T.H., Brumsack H.-J., van Beusekom J.E.E., Böttcher M.E. (2013) Molybdenum anomalies and the impact of sediment re-oxidation in two tidal systems of the North Sea. <i>Geochim. Cosmochim. Acta</i> 119, 198-211.</p>
Activities in scientific organizations and associations during the past 5 years Memberships without any function are not needed	<ul style="list-style-type: none"> • since 2014 Advisory Editor 'Geochemistry', <i>Springer Science</i> • since 2013 (co) Editor-in-Chief, <i>Chemical Geology</i> • 2014-2017 (Guest) editor of 2 special issues in <i>Isotopes in Environmental & Health Studies</i> • since 1992 Reviewer for international journals and research funding agencies
Awards	<ul style="list-style-type: none"> • 2012 DFG-research group 'Biogeochemistry of the Wadden Sea', in which the applicant acted for 8 years prominently as PI, was awarded with the 'First Norddeutscher Wissenschaftspreis' • 2000 Isotope award of the Dr. Karl-Eugen-Habfast-Foundation