

CV Carsten J. Schubert

name Schubert, Carsten Johnny (Dr. rer. nat.)
personal data born July 3rd, German citizen
languages German, English, Spanish
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Education

1992 – 95 Ph.D. thesis at Alfred Wegener Institute/University of Bremen, Germany
1992 Diploma in geology/paleontology at University of Giessen

Professional Experience

Since 2012 Research scientist, Department Head, Eawag (SURF)
2001-today Research Scientist, Group leader biogeochemistry, EAWAG (SURF)
1997-01 Research Scientist, Group leader, Max Planck Institute for Microbiology, Bremen, Germany
1997 Research Scientist, Alfred-Wegener-Institute, Bremen, Germany
1995-1997 Postdoc at UBC, Vancouver, Canada

Present Research Interests

Analysis of biogeochemical cycles in aquatic systems. Organic geochemical tracers and isotopic composition of organic molecules in the water column and sediments of lakes/oceans. Recent investigations include the anaerobic and aerobic oxidation of methane, and the anaerobic ammonium oxidation in the water column of marine and lacustrine systems and the emissions of green house gases from Swiss reservoir lakes. Interest in the nitrogen cycle of lakes using concentrations and isotopic composition of amino acids and amino sugars.

Teaching

Courses at University of Giessen, University Bremen and ETH Zürich in oceanography/biogeochemistry/isotope geochemistry

Students/Postdocs supervised (incl. present students)

13 PhD students/11 Master and Diploma students/8 Postdocs

Publications

90 peer-reviewed journal articles (including Science, Nature, PNAS, ISME) and book chapters
Google scholar h-index 30, 5070 citations

Honors

NATO fellowship 1995

Field work

8 Ocean cruises to the Arctic Ocean, Pacific, Atlantic, Black Sea (2 as chief-scientist), numerous lake samplings

Personal

Hobbies: Enjoy dancing, hiking, skiing, cooking

Reviewer for Journals, Funding agencies

Science, Nature, Nature Communications, Nature Climate Change, Marine Chemistry, Paleoceanography, Geochimica et Cosmochimica Acta, Marine Geology, Limnology & Oceanography, Environmental Science & Technology, Organic Geochemistry, Gcubed, Global Biogeochemical Cycles, FEMS Microbial Ecology, Chemical Geology, Journal of Earth System Science, Journal of Great Lakes Research, Archives of Microbiology, Aquatic Microbial Ecology, Aquatic Geochemistry, Continental Shelf Research, Journal of Chromatography A, Environmental Microbiology, Ecological Monographs

American Chemical Society Petroleum Fund; German research foundation (DFG); National Science Foundation (USA); NWO Earth and Life Science, Dutch research council; Swiss National Science Foundation (SNF); Fondecyt, Chilean national research funding, Natural Environment Research Council (NERC), United Kingdom; Darwin Center for Biogeosciences (Netherlands)

Memberships in Professional Societies

American Geophysical Union

European Association of Organic Geochemists

The Geochemical Society

ASLO