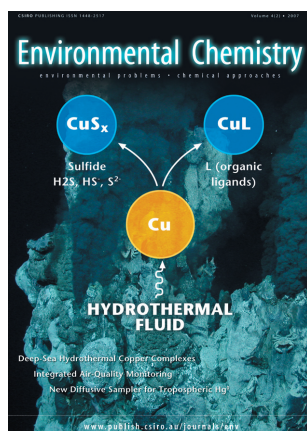




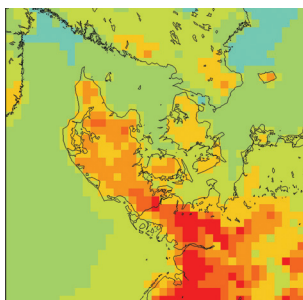
Environmental Chemistry

environmental problems • chemical approaches



Cover

Deep-sea hydrothermal vents are a natural habitat for many extremophilic organisms. To date, no information is available on the level and role of organic complexation of metals in these systems, which will have consequences on the bioavailability and precipitation or mineralisation of metals. Sander et al. (pp. 81–89) provide evidence for the presence of organic molecules, including thiols, capable of forming complexes with copper strong enough to compete against sulfide present at high levels in hydrothermal systems.



Integrated monitoring (IM) is a process currently used in air-quality management in Denmark to measure and model air pollution (Hertel et al., pp. 65–74). The benefits of IM include optimisation of allocated resources, improved quality and better understanding of processes. The IM concept may be useful for air-quality management in countries where such management strategies are lacking.

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