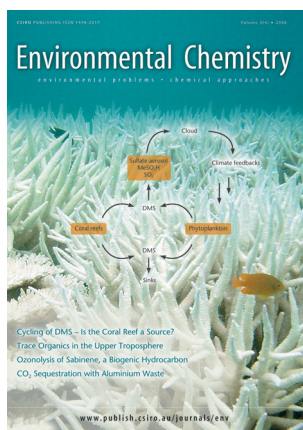


# Environmental Chemistry

environmental problems • chemical approaches



## Cover

Coral reefs are sensitive to increases in ocean temperature that occur due to high levels of solar radiation. These reefs produce organic sulfur compounds such as DMS, which influence the formation of clouds and are thought to have a cooling effect on the climate. In this issue, Broadbent and Jones (pp. 260–267) discuss the cycling of these compounds in the Great Barrier Reef.

Cover image: bleached coral on the Great Barrier Reef. Photograph supplied by G. Jones, 2006.



Bushfires cause air pollution, releasing toxic airborne contaminants that affect the health of surrounding communities. Learn more about the air toxics released by bushfires, their impact on human health, and current recommendations for minimizing the health impacts of these compounds in the review by Reisen and Brown (pp. 235–243).

## REVIEW

Implications for Community Health from Exposure to Bushfire Air Toxics

*F. Reisen, S. K. Brown*

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## RESEARCH PAPERS

Airborne Measurements of Trace Organic Species in the Upper Troposphere Over Europe: the Impact of Deep Convection

*A. Colomb, J. Williams, J. Crowley, V. Gros, R. Hofmann, G. Salisbury, T. Klüpfel, R. Kormann, A. Stickler, C. Forster, J. Lelieveld*

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*A. Broadbent, G. Jones*

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Stable Carbon Isotope Analysis of Anthropogenic Volatile Halogenated C<sub>1</sub> and C<sub>2</sub> Organic Compounds

*N. R. Auer, D. E. Schulz-Bull*

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Gaseous and Particulate Products from the Atmospheric Ozonolysis of a Biogenic Hydrocarbon, Sabinene

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Carbon Capture and the Aluminium Industry: Preliminary Studies

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Arsenic Species in a Rocky Intertidal Marine Food Chain in NSW, Australia, revisited

*S. Foster, W. Maher, E. Schmeisser, A. Taylor, F. Krikowa, S. Apte*

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## BOOK REVIEW

‘Managing Arsenic in the Environment: From Soil to Human Health’, edited by R. Naidu, E. Smith, G. Owens, P. Bhattacharya, P. Nadebaum

*D. J. Thomas*

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