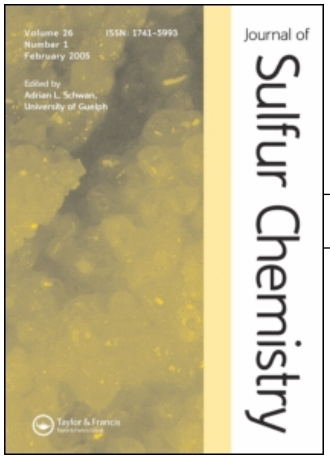

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Preface

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Preface

This Special Issue of *Journal of Sulfur Chemistry* brings together articles from geoscientists, chemists, biologists, and atmospheric scientists. As guest editors, we hoped to provide a sense of dialog between these scientists because the overlap of sulfur research in different disciplines may not be realized to the extent it should.

The collection of articles in the special issue cover a range of topics, which include: acidophilic bacteria, ancient Earth atmospheres, theoretical chemistry, sulfur metabolism, sulfur cycling, polysulfanes, cancer biology, mutagenesis, atmospheres of Jupiter and Io, geological sulfur record, microbiology, synthesis, photochemistry, electrochemistry, enzyme catalysis, thermochemistry, combustion chemistry, and microbial sulfur processes possibly tracing back 3.5 billion years.

The papers share a facet that might be related to the name of the special issue. Extreme sulfur chemistry or the study of highly reactive sulfur species is a recurring theme. For example, the reactive sulfur species discussed includes: thiothionyl fluoride SSF_2, diatomic SP, triatomic HBS, disulfide radical anion $RSSR^{\bullet -}$, hydropolysulfide radical $RSSS^{\bullet}$, and sulfur allotropes.

We are pleased to provide our readership with this special issue with the hope to connect sulfur research topics and to address the two or three cultures that separate geoscience, chemistry, biology, and atmospheric studies.

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