



Mineralogical Society of the UK and Ireland

www.minersoc.org

FROM THE PRESIDENT



I am delighted to begin my term as the President of the Mineralogical Society of the UK and Ireland. I am following in the footsteps of Sally Gibson, and I would like to extend my thanks to Sally for her leadership of the society over the past 2 years. I am very much looking forward to working with the society members and wider community. In particular, I hope to develop activities to support the next-generation mineral scientists who are going to take the society's work forward through

the 21st century. At the start of my tenure, I would like to reflect on some of the key activities and developments that will be happening over my time as president.

Next year will be the 150th anniversary of the Mineralogical Society. This is a significant milestone and we aim to celebrate this sesquicentennial anniversary with events throughout 2026. The centrepiece of these celebrations will be a conference that will focus on celebrating the history of the society and the wide range of mineralogical research currently undertaken by society members in the UK, Ireland, and across the world. We hope that this meeting will highlight the exciting opportunities that lie ahead for mineral sciences as we move through the 21st century. The conference location, dates, and programme will be advertised shortly, so please look out for future correspondence giving these details.



Sally Gibson speaking at the February 2025 President's Lunch.
PHOTO: ADRIAN JONES.

Going forward, the Mineralogical Society will continue to develop activities to support the scientific and professional interests of our members. This includes continuing our Equality, Diversity, and Inclusivity (EDI) programme. The society's EDI committee has made excellent progress over the past few years in several key areas. Firstly, ensuring our meetings and events are accessible and inclusive of all participants. Secondly, that our membership process supports people at all stages of their careers, including those who have taken career breaks and those from economically disadvantaged backgrounds. Thirdly, they have developed our awards and grants programs to ensure we can support and celebrate excellence across the range of activities that our members pursue (e.g., research, teaching, outreach). The final stage of this process relates to publishing and publications, which will be developed this year. The EDI team is working to deliver a range of new processes and guidelines to support authors, editors, and reviewers to ensure that our entire community can publish their best research within our journals. I am grateful to the members of our EDI team for their excellent work, which I believe is to ensure that we support all our members and authors.

Finally, during my tenure as president I would like to hear from any members of who wish to provide feedback or suggestions related to the Mineralogical Society and its activities. I wish to develop the society to support all members, so please feel free to contact me directly (sam.shaw@manchester.ac.uk) if you feel there are any ways in which we could develop or enhance the society's activities.

Sam Shaw

President, Mineralogical Society of the UK and Ireland

ENVIRONMENTAL MINERALOGY GROUP RESEARCH IN PROGRESS MEETING 2025

The EMG Research in Progress meeting will take place at the University of Sheffield on the 24–25th June.

Registration and abstract submission is now open! Just follow this link:
<https://min2022.org/emg-rip-2025/>

The main theme of the meeting will be **Environmental Mineralogy: From the Laboratory to the Field**

This is envisaged to be a very broad theme, covering a range of topics including:

Main themes

- Laboratory techniques and work that underpins environmental chemistry research
- Field work examples of environmental mineralogy in action

Other key themes

- Environmental processes (such as mineral transformations, redox cycling, nutrient cycling, sulfidation, etc.)
- Biogeochemistry
- Environmental contaminants (including toxic metals, radionuclides, and organics)
- Environmental (radio)chemistry

The RiP is **free to attend** and is kindly supported by the Henry Royce Institute.

Who's it for?

Research in Progress Meetings aim to provide a friendly and welcoming environment for everyone to present their current work. We particularly welcome master's and PhD students, postdoctoral researchers, early career academics, laboratory technicians, and researchers in industry to present their findings and gain experience presenting, networking, and interacting with fellow scientists. Oral and poster presentations will be available in addition to ample time to meet colleagues and discuss work. The meeting will also be hybrid for those who cannot attend in-person.

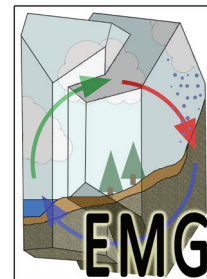
Structure

A confirmed agenda will be circulated closer to the event; however, the schedule will follow the format of travel time in the morning of Tuesday 24th June for an approximate midday start followed by talks and posters. An optional conference meal will be held in the evening of the 24th June. A half day of conference talks will take place on Wednesday 25th June before closure to allow travel time in the afternoon. There will also be an optional tour of the Royce Discovery Centre at the University of Sheffield and the Immobilisation Science Laboratory.

Organising Committee

Lewis Blackburn (University of Sheffield), Rick Kimber (University of Manchester), Kath Rothwell (University of Stirling), Latham Haigh (University of Sheffield), Lucy Mottram (University of Sheffield), Aislinn Boylan (UK National Nuclear Laboratory), Thomas Neill (University of Manchester), Luke Townsend (Nuclear Waste Services).

Contact: emg@minersoc.org



GEOMICROBIOLOGY NETWORK RESEARCH IN PROGRESS 2025

Natural History Museum, London
7–8 October 2025

Save the date and check for updates at www.minersoc.org/gmb.html.

INTERNATIONAL SOCIETY FOR ENVIRONMENTAL BIOGEOCHEMISTRY

2025 Meeting
Trinity College Dublin
27–31 October 2025

Registration is now open for this meeting, the 26th such event, at www.iseb-2025.org. This event is being supported by the Society staff and by the Geomicrobiology Network.

ISEB's aims are:

- Promotion of scientific knowledge of biogeochemistry and related fields through discussions, reports, and publications.
- Stimulation of scientific investigations, planning, organization, and administration of biennial international symposia on biogeochemistry, as well as other meetings and publications for the advancement of scientific knowledge in the interdisciplinary field of environmental biogeochemistry.
- Improvement of education in biogeochemistry and related subjects.

Themes for the 2025 event:

- 1. Microbial Processes in Biogeochemical Cycles** Microbial drivers of nutrient cycling play a crucial role at biogeochemical interfaces, where microbial processes and microbe-mineral interactions regulate the transformation and mobility of essential elements in the environment
- 2. Geomicrobiology Across Environments** Geomicrobiology in extreme environments provides insights into the unique adaptations of microorganisms, with terrestrial geomicrobiology focusing on subsurface and soil ecosystems, while marine geomicrobiology and biogeochemistry explore microbial processes influencing ocean chemistry and nutrient cycling
- 3. Microbial Responses to Anthropogenic and Climate Pressures** Climate change, microbial communities, and biogeochemical feedbacks are intricately linked, as anthropogenic impacts on microbial biogeochemical processes can alter ecosystem stability, while bioremediation and environmental restoration strategies help mitigate pollution and recover critical metals in the environment
- 4. Innovative Approaches in Biogeochemistry and Geomicrobiology** Emerging technologies in biogeochemistry and geomicrobiology, combined with biogeochemical modeling and novel computational approaches, are revolutionizing our understanding of microbial processes and their impact on global elemental cycles
- 5. Historical and Paleo Perspectives in Microbial Biogeochemistry** Studying paleo-microbial environments and biomarkers from past to present provides critical insights into ancient microbial life, environmental conditions, and the long-term evolution of biogeochemical cycles



Recent Content in Clay Minerals

- Thermo-physical and viscoelastic peculiarities of 3,4-Dihydro-2H-pyran containing polymer layered-clay reinforced nanoarchitectures Burcu Akar, Özlem Şahin, Hatice Kaplan Can
- Elucidation of interaction mechanisms between amorphous alumina and montmorillonite in laterite Ling-Tong Cai, Dao-Yong Wu, Zi-peng Qin, Shuang-Ying Zuo, Jing Yan
- Effects of polypropylene glycol-treated montmorillonite/carbon black as a filler with rubber compound properties Zohreh Asghari Barzegar, Mercedeh Malekzadeh
- Exploring reverse silicate weathering across geological time: a review Andre Baldernann, Santanu Banerjee, Stefan C. Löhner, Maxim Rudmin, Laurence N. Warr, Arpita Chakraborty
- Synthesis of nano-metakaolin using mechanical activation: effects of various parameters on the activated material properties Dimitra Kosmidi, Konstantinos Betsis, Lefkothea Sakellariou, Maria Taxiarchou, Efstratios Badogiannis, Sofia Makri
- The effect of different exchangeable cations on the CO₂ adsorption capacity of Laponite RD® Minh Hoang Nguyen, Liva Dzene, Simona Bennici
- Bruce Velde (1938–2024) Bruno Lanson
- The acid-leaching process and structural changes of lizardite, chlorite and talc in sulfuric acid medium Dingran Zhao, Hongjuan Sun, Tongjiang Peng, Li Zeng, Mengji Wu



Recent Content in Geo-Bio Interfaces

- Factors influencing the efficacy of microbial remediation of selenium in groundwater near a coal-fired power plant Hannah R. Koepnick, Brent M. Peyton, Ellen G. Lauchnor
- Biogenic pyrite and metastable iron sulfides: Emerging formation pathways and geological and societal relevance Muammar Mansor, Arnaud Duverger, Virgil Pasquier, Aurore Gorlas, François Guyot, Jasmine S. Berg, Johanna Marin-Carbonne, Julie Cosmidis, Aude Picard
- Hydrological, geochemical and microbiological controls on iron mineralisation in an intermittent stream Zackry Stevenson, Mia Riddley, Tamara McConnell, Elizabeth D. Swanner
- Microbial reduction of Fe(III)-bearing solids recovered from hydraulic fracturing flowback water: Implications for wastewater treatment Natali Hernandez-Becerra, Sophie L. Nixon, Christopher Boothman, Jonathan R. Lloyd
- Formation of amorphous molybdenum sulfide in abiotic and biotic sulfidic conditions: A comparative study on molybdenum sequestration mechanisms Rachel F. Phillips, Weinan Leng, Sheryl A. Singerling, Morgane Desmau, Jie Xu
- Blue carbon cycling in the coastal areas of Qatar Ivan Strakhov, Hadil Elsayed, Zach A. DiLoreto, Khoren Avetisyan, Zulfa Ali Al Disi, Khaled Naja, Hamad A. S. Al-Kuwari, Fadhil N. Sadooni, Jassim Alkhayat, Maria Ditttrich
- Speciation-dependent molecular mechanism of electron transfer from the c-type cytochrome MtrC to U(VI)-ligand complexes Margaux Molinas, Karin Lederballe Meibom, Ashley Brown, Luciano A. Abriata, Tim Prüßmann, Rizlan Bernier-Latmani
- The crucial and versatile roles of bacteria in global biogeochemical cycling of iodine Zhou Jiang, Yongguang Jiang, Yidan Hu, Yiran Dong, Liang Shi



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