

Mineralogical Society of the UK and Ireland

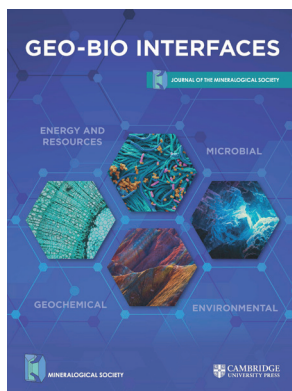
www.minersoc.org

HAPPY 2024 TO ALL!

Best New Year wishes to all our members and *Elements* readers. It's going to be a busy year at the Mineralogical Society.

New Journal

This year marks the first of our new journal, *Geo-Bio Interfaces*. Check out the first content at www.cambridge.org/gbi. Be sure to set up a TOC (table of contents) alert so you can be informed when new content is published.



EMC 2024

Also this year, of course, we are hosting the fourth European Mineralogical Conference. If you haven't already done so, go to www.emc-2024.org to see our proposed sessions list, keynote speakers, and to register. This event promises to be one of the best EMCs yet and we guarantee a warm Irish welcome in Dublin.

Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Mineralogical Society of the UK and Ireland

emc² 18–23 August 2024
4th european mineralogical conference • Dublin, Ireland

<https://www.emc-2024.org>

- 30+ Sessions
- Field trips (3)
- Short courses (3) (16–18 Aug. 2024)
- Site visit to 'National Museum of Ireland Collections Resource Centre'
- Outreach lecture
- Ice-breaker reception and banquet
- Presentations + exhibition by industry representatives
- City-centre location in historic Dublin
- Combine with 'Mineralogy and Museums 10' (www.mm-10.org)
- Free remote registration for those in low- and middle-income countries
- Online registration opens 1 January 2024

Join us in Dublin where you will be assured of a warm welcome, great science, an excellent range of choices of sessions, fieldtrips and workshops. Our conference is fully hybrid and we welcome offers of presentations from colleagues who are unable to attend in person.

Convenors: David Chew and Emma Tomlinson (Trinity College Dublin); Kevin Murphy and Russell Rajendra (Mineralogical Society)



MINERALOGY AND MUSEUMS 10

The 10th Mineralogy & Museums conference will be held at Amgueddfa Cymru – Museum Wales, Cardiff, Wales, 12th–14th August 2024, with an option of pre- and post-conference trips. M&M10 has been timed to allow participants to travel on to EMC², in Dublin (18th–23rd August 2024).

This conference will focus on Collections, Research, Care, and how to make them accessible to the widest range of users and relevant to society.

We aim to bring those with these common interests together to share ideas, knowledge, and experience, and to strengthen international links. This is the 10th meeting in the international conference series organized by the Commission on Museums of the International Mineralogical Association. To make the meeting as accessible as possible, the two-day program will include both in-person and remote talks, lightning talks, and poster presentations.

Go to www.mm-10.org for details and to register.

Special Interest Groups

By the time this issue reaches you, one of our Special Interest Groups (Volcanic and Magmatic Studies Group) will already have held its annual conference.



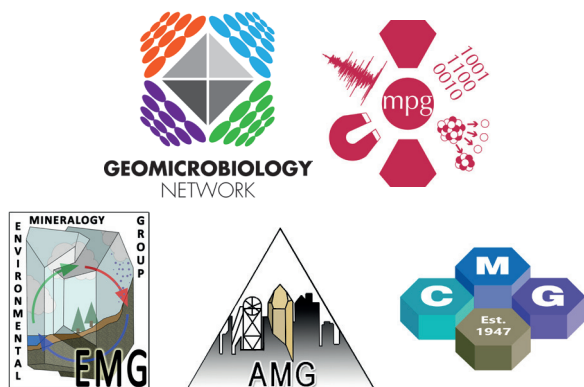
In April, we will have the 2024 renewal of the Geochemistry Group's Research in Progress meeting, which will be held on 9–11 April 2024 at Durham University. For more details and to register, go to <https://geochemistry.group/research-in-progress-meeting/>.



The Metamorphic Studies Group will meet at the University of Bristol on 27–28 March 2024. Details are available at <https://metamorphicstudiesgroup.wordpress.com/msg-rip-2024/>.



Our other special interest groups will also hold their Research in Progress meetings during 2024. The Environmental Mineralogy Group has already agreed to join forces with a Royal Society of Chemistry Special Interest group for a meeting on a topic of mutual interest. The Clay Minerals Group will hold its annual RiP meeting at the University of Edinburgh (date to be confirmed). The Mineral Physics Group plans to follow up its most successful RiP ever (U. Bristol, 2023) with another well-attended event. The Applied Mineralogy Group will focus its efforts on sessions being held during the European Mineralogical Conference, mentioned above. The Geomicrobiology Network has yet to announce its plans.



If all of this wasn't enough, each of the Special Interest Groups offers funding for students to attend conferences, do fieldwork, etc. Check this at <https://www.minersoc.org/bursaries.html>. The Geochemistry Group also runs an extensive programme of online events and a mentorship scheme: <https://geochemistry.group/>.

Website

Have you visited our website recently? It's had a revamp and looks fresh and new. As our EDI changes come into force, we will also be updating many of the pages related to our membership, awards, meetings/events, and publications.

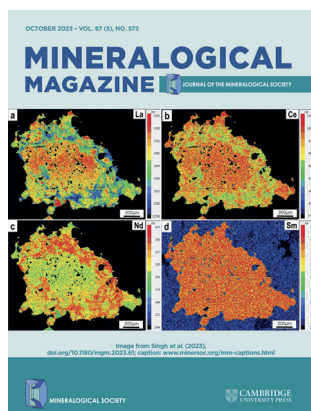
EDI

As mentioned above, our hard-working EDI committee will soon bring final versions of proposals regarding membership, awards, conferences, and more to Council for debate and approval. These actions will mark a significant change in how we do business and signals our approach to the business end (the application of new policies) of several years of work at our EDI committee. Our committee will continue, however, and it is our intention to ensure that it operates across all areas of our 'business'.

Recent content in our journals

Guangyuanite, $\text{Pb}_3\text{Cl}_3(\text{Se}^{4+}\text{O}_3)(\text{OH})$, a new lead-chloride-selenite mineral from the El Dragón mine, Potosí, Bolivia Hexiong Yang, Xiangping Gu, James A. McGlasson, Ronald B. Gibbs, Robert T. Downs

Evidence of fluid-induced myrmekite formation after alkali-feldspar megacryst: example from a metaporphyritic granitoid in Makrohar, Madhya Pradesh, India Arimita Chakrabarty, Shreya Karmakar, Upama Dutta, Sanjoy Sanyal, Pulak Sengupta



IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Ferdinando Bosi, Frédéric Hatert, Marco Pasero, Stuart J. Mills

Characterization, axial anisotropy and formation conditions of celestine from the Jabal Eghei (Nuqay) late Neogene – Pleistocene volcanic province, southern Libya: Constraints on the mineralogical geothermometer Pavle Tančić, Maja Milošević, Darko Spahić, Bojan Kostić, Aleksandar Kremenović, Maja Poznanović-Spahić, Jovan Kovačević

Bimbowrieite, $\text{NaMgFe}^{3+}_5(\text{PO}_4)_4(\text{OH})6\cdot 2\text{H}_2\text{O}$, a new dufrénite-group mineral from the White Rock No.2 quarry, South Australia, Australia Peter Elliott, Anthony R. Kampf

A new mineral cuprodobrovolskyite $\text{Na}_4\text{Cu}(\text{SO}_4)_3$ from the Tolbachik volcano (Kamchatka, Russia) and the relations in the family of natural anhydrous Na-Cu sulfates Nadezhda V. Shchipalkina, Igor V. Pekov, Natalia N. Koshlyakova, Dmitry I. Belakovskiy, Natalia V. Zubkova, Atali A. Agakhanov, Sergey N. Britvin, Maria A. Nazarova

Characterisation of refractory bricks from selected Cameroonian kaolinites Pountouenchi Amadou, Njoya Andre, Mbey Jean Aimé, Mache Jacques Richard, Njoya Dayirou, Yongue Fouateu Rose, Njopwouo Daniel, Nathalie Fagel, Pascal Pilate, Laurent Van Parys

Characterization of the clayey sediments in the environment of exposed mudflats on the western Dead Sea shore Shlomo Shoval

The implications of Fe speciation for the humic substance stability of ternary Fe(III)–montmorillonite–humic substance systems Qinkai Lei, Yahui Lv, Chengshuai Liu, Wenpo Xu, Shujie Hu, Manjia Chen, Hongling Bu, Junhui Li

Preparation of phase-change microcapsules with illite as a filler and their applications in foaming materials Ming Li, Shuhua Zhang, Weijun Liu, Binyan Liu, Yu Wang

Differential dissolution of interlayer, octahedral and tetrahedral cations of vermiculite in oxalic acid Yu Zhang, Hongjuan Sun, Tongjiang Peng, Liming Luo, Li Zeng

Changes in the basic structure and strength deterioration of clay minerals with different hydration degrees Jiyu Lin, Daoyong Wu, Jiwei Jia, Jing Yan, Lingtong Cai

Microstructural observations of clay-hosted pores in black shales: implications for porosity preservation and petrophysical variability Hongjian Zhu, Shuangjian Li, Zongquan Hu, Yiwen Ju, Yanyan Pan, Manping Yang, Yanjun Lu, Mingbo Wei, Weidong Qian

Chemical and mineralogical reactions of bentonites in geotechnical barriers at elevated temperatures: review of experimental evidence and modelling progress Stephan Kaufhold, Reiner Dohrmann, Ilka Wallis, Christian Weber

