



Mineralogical Society of the UK and Ireland

www.minersoc.org



I am honoured to serve as the President of the Mineralogical Society of the UK and Ireland for the next two years. Since its foundation in 1876, the Mineralogical Society has been actively promoting and publishing research, and continues to do so via its journals and vibrant Special Interest Groups (Applied Mineralogy, Clay Minerals, Environmental Mineralogy, Geochemistry, Geomicrobiology Network, Metamorphic Studies, Mineral Physics, and Volcanic and Magmatic Studies).

An exciting initiative by the past President Jon Lloyd, together with Cambridge University Press, has been the establishment of a new journal *Geo-Bio Interfaces*, which will join *Mineralogical Magazine* and *Clay Minerals* in 2024 to make a broad trilogy of journals that we publish.

Over the years, I have benefitted hugely from the events and networking opportunities offered by learned societies and recognise their importance, especially for early career scientists. While the Mineralogical Society has evolved to embrace the major changes in the nature and style of research undertaken by its members, as with similar organisations, continuous evaluation is required to assess how we can most effectively engage with others. Following a recent survey (<https://doi.org/10.31223/x5008f>), we know far more about who the members of the Mineralogical Society are than ever before, and are in a strong position to use these data as a pathway to make solid changes. Our recently established EDI committee is now implementing a set of short- and long-term objectives, many of which are aimed at encouraging those from under-represented groups to participate in our activities. We are taking similar steps with the nomination and evaluation processes for our Awards.

As a member of Council since 2017, I saw the Mineralogical Society respond quickly to the challenges that our community faced during the Covid pandemic. Some of the initiatives from this time are now being harnessed in order to connect more closely with our community and other organisations.

A major event on the horizon for the Mineralogical Society is the European Mineralogical Conference (EMC – <https://emc-2024.org>), which will be held in Dublin (18–24 August 2024). Under the chairmanship of David Chew and Emma Tomlinson, the Society is working with colleagues from across Europe to host this hybrid event. The EMC will have a diverse range of scientific sessions, workshops, and field excursions. Please consider joining us to share your science amidst wonderful Irish hospitality.

Sally Gibson, President

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



Giant's Causeway, Northern Ireland

The organizers of the conference are Emma Tomlinson and David Chew, both of Trinity College Dublin.



As mentioned by Sally, it is time to start thinking about conference plans for 2024! The Mineralogical Society of the UK and Ireland will host next year's European Mineralogical Conference in Dublin (<https://emc-2024.org>).

Highlights at this stage

- We have received a long list of session proposals and over the coming months will be crafting these into an exciting programme.
- Field trips to the Giant's Causeway, Avoca/ Glendalough, Tara Mine, and Slieve Gullion (led by Mike Stock, Sean McCleneghan, and colleagues)
- There will be a day-trip to Ireland's National Rock and Mineral Collections (hosted in Swords, Co. Dublin, led by Patrick Mayhew and colleagues).
- There will be a number of workshops, including one on the geochemical modelling software, *Phreeqc* (led by R. Bowell), an ICPMS course (led by David Chew), and more.



Trinity College Dublin

- We will also run some soft-skills workshops: 'Reviewing a paper', 'Applying for Travel Grants', and maybe more.
- We are planning a Public Lecture on the subject of the mineralogy of a green transition.
- We will have our conference banquet at Croke Park (national stadium for Gaelic Games).
- There will be an extensive list of attractions for accompanying persons, including visits to the Book of Kells, a Theatre Evening, a Whisky-Tasting session, and more.

There are many travel options to Dublin. Accommodation has been reserved on-campus for those interested in high-quality student residences; there will also be a range of more expensive local hotel accommodation available.

Registration is expected to cost in the region of €500–550. This includes morning and afternoon refreshments, lunch each day, a welcome reception, and the conference banquet, as well as all conference materials.



Illuminated manuscript, *Book of Kells*

Our aim is to encourage the publication of special issues of papers presented at the conference in Society journals (including *Mineralogical Magazine*). Please be ready to support your community journals by publishing your work in this way.

The conference will be fully hybrid and we are offering free online attendance to those who live in low- or middle-income countries.

Registration will be live by the end of 2023.

RECENT PAPERS ACCEPTED FOR PUBLICATION IN *CLAY MINERALS*

Plastic behaviour of clay materials for the manufacture of fast-drying red ceramics

Vitor de Souza Nandi, Alexandre Zaccaron, Fabiano Raupp-Pereira, Sabrina Arcaro, Adriano Michael Bernardin, and Oscar Rubem Klegues Montedo

Effects of clay activation and amine chain length on silica–palygorskite heterostructure properties

Lilya Boudriche, Faïza Bergaya, and Amel Boudjemaa

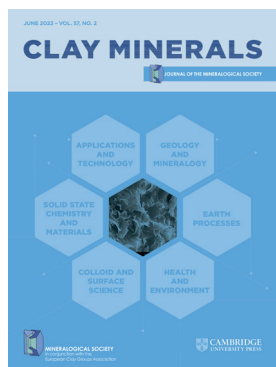
Effective removal of hexavalent chromium with magnetically reduced graphene oxide bentonite

Shoufa Cao, Jingmao Guo, Jianchao Ma, Enqing Chen, Jin Pang, Siyu Zhang, Haidong Hao, Danlei Wu, and Shaobin Wang

Molecular dynamics modelling of Na-montmorillonite subjected to uniaxial compression and unidirectional shearing

Ran Yuan, Wen-Ming Wang, Yi He, Yong Fang, and Xi-Long Huang

Distribution of rare earth elements of Tunisian margin clays



Fakher Jamoussi and Alberto Lopez Galindo

Geometry optimization of an electrochemical reactor for bleaching kaolin

José Angel Cobos-Murcia, Eduardo Hernández-Aguilar, Ariadna Trujillo-Estrada, Grisell Gallegos-Ortega, and Victor Esteban Reyes-Cruz

RECENT PAPERS ACCEPTED FOR PUBLICATION IN *MINERALOGICAL MAGAZINE*

- **Chrysoberyl and associated beryllium minerals resulting from metamorphic overprint of the Maršíkov – Schinderhübel III pegmatite, Czech Republic** Olena Rybníková, Pavel Uher, Milan Novák, Štěpán Chládek, Peter Bačík, Sergii Kurylo, and Tomáš Vaculovič

- **Graham Chinner – Obituary** Tim Holland

- **Re-investigation of 'minasgeraisite-(Y)' from the Jaguarapu pegmatite, Brazil and high-temperature crystal chemistry of gadolinite supergroup minerals** Oleg S. Vereshchagin, Liudmila A. Gorelova, Anastasia K. Shagova, Anatoly V. Kasatkin, Radek Škoda, Vladimir N. Bocharov, Natalia S. Vlasenko, and Michaela Vašinová Galiová

- **Mineral assemblages and compositional variations in bavenite-bohseite from granitic pegmatites of the Bohemian Massif, Czech Republic** Milan Novák, Zdeněk Dolníček, Adam Zachař, Petr Gadas, Miroslav Nepejchal, Kamil Sobek, Radek Škoda, and Luboš Vrtiška

- **Quantitative evaluation of metamictization of columbite-(Mn) from rare-element pegmatites using Raman spectroscopy** Yuanyuan Hao, Yonggang Feng, Ting Liang, Matthew Brzozowski, Minghui Ju, Ruili Zhou, and Yan Wang

- **Crystal-chemical characterization and spectroscopy of fluorcarletonite and carletonite** Ekaterina Kaneva, Alexander Bogdanov, Tatiana Radomskaya, Olga Belozerovala, and Roman Shendrik

- **Zincorietveldite, $\text{Zn}(\text{UO}_2)(\text{SO}_4)_2(\text{H}_2\text{O})_5$, the zinc analogue of rietveldite from the Blue Lizard mine, San Juan County, Utah, USA.** Anthony R. Kampf, Travis A. Olds, Jakub Plášil, and Joe Marty

- **Argentopolybasite, $\text{Ag}_{16}\text{Sb}_2\text{S}_{11}$, a new member of the polybasite group** Martin Števkó, Tomáš Mikuš, Jiří Sejkora, Jakub Plášil, Emil Makovický, Jozef Vlasáč, and Anatoly Kasatkin

