The Clay Minerals Society

www.clays.org

THE PRESIDENT'S CORNER

One of the things that singles out The Clay Minerals Society is our Source Clays Repository. The repository was originally established by a series of initiatives over 50 years ago, instigated by Robert W. Rex, subsequently supported by George Brindley, and then championed by William (Bill) Moll. You can read about the details of the early history on our website, where you can also place orders for samples and find links to the baseline and other information that is available for the present and past samples offered since the 1970s. The importance of the Source Clays Project to society cannot be overstated. Even 50 years after its creation, there is no let-up in the need for well-characterised effectively homogeneous clay materials that can be shared between researchers; indeed, the need has increased. Clay materials are available from elsewhere of course, but rarely, if ever, are they as well characterised as those offered by the CMS, not just as a result of the baseline studies that accompany each clay but also because the wealth of knowledge that has accumulated about them in the open literature, where they are used in support of every aspect of clay science. Some new clays are in the pipeline (including an halloysite nano tube, HNT), but if you have ideas or requirements for additional ones, please let the Source Clays Committee know. Many CMS members have contributed to the success of the repository over the years, either by serving on the Source Clays Committee or in the day-to-day running and management of the repository itself, and others have procured or provided clays; as a society, we owe all these people a big thank you for maintaining this unique scientific resource.

Stephen Hillier, CMS President

JOURNAL ISSUE UPDATE

Here are some recent papers published at https://www.springer.com/journal/42860.

- **Comparison of Epithermal Kaolin Deposits from the Etili Area (Çanakkale, Turkey): Mineralogical, Geochemical, and Isotopic Characteristics**, by Ercan et al.
- **Aflatoxin Adsorption by Natural and Heated Sepiolite and Palygorskite in Comparison with Adsorption by Smectite**, by Mohammad et al.
- **Occurrence of Iron in the Minerals of Carboniferous Coal Gangue of the Pingshuo Open-pit Mine, North China**, by Liu et al.
- **Facies, Geochemistry, and Ceramic Properties of Corumbataí Formation, Upper Permian of Paraná Basin, and its Application in the Ceramic Industry, Brazil**, by Christofoletti
- **Genesis of Smectites associated with a Coal Seams Succession in the Neogene Orhaneli and Keles Coal Deposits (Bursa), NW Turkey**, by Erkoyun et al.
- **Effect of a Water Phase on the Swelling Pressure and Water Retention of an Unsaturated Bentonite–Sand Mixture with Insignificant Osmotic Suction**, by Lang & Baille
- **Palygorskite Supporting Homogeneously Dispersed Ag Nanoparticles: Molten Salt Method and Enhanced Antibacterial Performance**, by He et al.
- **On the Unusual Temperature Dependence of Kaolinite Intercalation Capacity for N-methylformamide**, by Andreou et al.
- **Characterization and Assessment of Natural Amazonian Clays for Cosmetics-Industry Applications**, by Kieling et al.

IMPORTANT REMINDER

CMS membership renewal

Don't forget to renew your membership! Please visit www.clays.org or contact the Business Office at cms@clays.org.

Professional Awards 2024

Please remember to nominate your colleagues for one of these prestigious Clay Minerals Society awards:

1. **Bailey Award:** https://www.clays.org/awards_bailey_award/
2. **Brindley lecture**: https://www.clays.org/awards_brindley_lecture/
3. **Jackson Mid-Career award**: https://www.clays.org/awards_jackson_award/

The CMS website lists the requirements for candidates and nominators for each award. The deadline for nominations is March 1, 2023.

Save the Date!

2023 CMS MEETING: TENTATIVE TECHNICAL SESSION

1. Critical materials and clays
2. Environmental applications of natural and modified clays
3. Porosity in shales and mudstones
4. Clays in carbon capture, utilization, and storage and hydrogen applications
5. Role of clay minerals in the events leading to the origin of life
6. Caves and sediments
7. Advancements in the application and characterization of clay minerals in petroleum industry
8. Current trends in research and development of bentonites for the isolation of spent nuclear fuel
9. Isotopes and clays
10. Industrial application of clays and zeolites
11. Engineered layered materials and their interfacial properties