

Editor-in-Chief
Joseph W. Stucki
University of Illinois, W-321 Turner Hall
1102 South Goodwin Avenue
Urbana, IL 61801, USA
(217) 333 9636
FAX: (217) 244 3219
jstucki@illinois.edu

Managing Editor
Kevin Murphy
Inchafune
Dunmanway, Co. Cork
Ireland
+353 (0)23 8845401
FAX: +353 (0)23 8845419
kmurphy@iol.ie

SUBSCRIPTION OFFICE
CLAYS AND CLAY MINERALS
Dues and Subscriptions
3635 Concorde Pkwy Ste 500
Chantilly, VA 20151-1125
Tel: (703) 652-9960
Fax: (703) 652-9951
subscriptions@clays.org

SOCIETY OFFICE
THE CLAY MINERALS SOCIETY
Mary Gray
3635 Concorde Pkwy Ste 500
Chantilly, VA 20151-1125
Tel: (703) 652-9960
Fax: (703) 652-9951
cms@clays.org

Submit papers at: www.edmgr.com/ccm

Associate Editors

Jocelyne Brendlé
Ecole Nationale Supérieure de Chimie de Mulhouse, France

Georgios Chryssikos
National Hellenic Research Foundation, Greece

Reiner Dohmann
BGR-LBEG, Hannover, Germany

Hailiang Dong
Miami University, Oxford, OH

Katja Emmerich
Karlsruhe Institute of Technology, Germany

Eric Ferrage
CNRS, Université de Poitiers, France

Emilia García-Romero
Universidad Complutense Madrid, Spain

Hongping He
Guangzhou Institute of Geochemistry, China

F. Javier Huertas
Universidad de Granada - CSIC, Spain

Warren D. Huff
University of Cincinnati, Cincinnati, OH

Deb P. Jaisi
University of Delaware, DE

William F. Jaynes
Slanton, TX

Selahattin Kadir
Eskişehir Osmangazi University, Eskişehir, Turkey

Andrey G. Kalinichev
Ecole des Mines de Nantes, France

Ravi Kukkadapu
Pacific Northwest National Laboratory, Richland, WA

Steven M. Kuznicki
University of Alberta, Canada

Jana Madejová
Institute of Inorganic Chemistry, SAS, Slovakia

Prakash B. Malla
Thiele Kaolin Company, Sandersville, GA

Robert Mikutta
Leibniz Universität, Hannover, Germany

Yael G. Mishael
Hebrew University of Israel, Israel

Michael Plötze
ETH Zurich, Switzerland

Robert J. Pruett
IMERYS, Sandersville, GA

Peter Ryan
Middlebury College, VT

Aaron Thompson
University of Georgia, Athens, GA

J. Marion Wampler
Georgia State University, Atlanta, GA

President

Prakash Malla
Thiele Kaolin Company
520 Kaolin Road
Sandersville, GA 31082, USA
(478) 552-3951, Fax: (478) 552-4138
prakash.malla@thielekaolin.com

Vice President

Jan Środoń
Institute of Geological Sciences
PAN, Senacka 1
31-002 Kraków, Poland
+(48) 12 37 05 200
Fax: +(48) 12 37 05 205
ndsrodon@cyf-kr.edu.pl

Secretary

Warren D. Huff
Department of Geology
University of Cincinnati
PO Box 210013
Cincinnati, OH 45221-0013, USA
(513) 556-3731, FAX: (513) 556-6931
warren.huff@uc.edu

Treasurer

Paul A. Schroeder
University of Georgia
201, Field Street
Athens, GA 30602-2501, USA
(706) 542 2384, FAX: (706) 542 2425
schroe@uga.edu

SCOPE OF THE JOURNAL

CLAYS AND CLAY MINERALS is the official publication of **THE CLAY MINERALS SOCIETY**. From 1952 through 1967 the publication took the form of an annual Proceedings Volume composed mainly of the papers presented at the annual Clay Minerals Conferences. In 1968 the publication was expanded to a bi-monthly JOURNAL that is now published by the SOCIETY. The JOURNAL undertakes to publish all articles of interest to the international community of clay scientists, and manuscripts are welcome from all countries.

CLAYS AND CLAY MINERALS presents latest advances in research and technology concerning clays and other fine-grained minerals. Like its parent Society, the JOURNAL strives to promote the advancement of knowledge in many areas of clay science and technology, and it is therefore of value in mineralogy, crystallography, geology, geochemistry, sedimentology, soil science, agronomy, physical chemistry, colloid chemistry, ceramics, petroleum engineering, foundry engineering, soil mechanics, and other disciplines concerned with fine-grained mineral materials. Despite their different backgrounds and special interests, clay scientists and technologists have much in common, as their problems involve the structure, properties, origin, occurrence, and applications of the same minerals. **CLAYS AND CLAY MINERALS** exists to disseminate to its worldwide readership the most recent developments in all of these aspects of clay materials.

Manuscripts that are prepared in English in accordance with the "Instructions for Contributors" on the inside back cover of the JOURNAL should be submitted online at www.edmgr.com/ccm

SUBSCRIPTIONS AND SOCIETY MEMBERSHIP

Communications concerning new membership in **THE CLAY MINERALS SOCIETY** should be addressed to the **SOCIETY OFFICE**. Communications regarding existing memberships, new library subscriptions, change of address, non-receipt of issues, back issues and reprints should be directed to the **SUBSCRIPTION OFFICE**. Please quote your subscription code number in all correspondence. The subscription price for libraries, university departments, government laboratories, industrial firms, and other multiple-reader institutions is US \$570.00 (North America), \$625.00 (overseas). Bona-fide subscribing members of **THE CLAY MINERALS SOCIETY** receive the JOURNAL as part of their membership. **CLAYS AND CLAY MINERALS** is published bi-monthly by **THE CLAY MINERALS SOCIETY** and subscriptions are available on a calendar-year basis only. From 2013 onwards, the paper-copy issues of **CLAYS AND CLAY MINERALS** will be distributed in three mailings per year, in April, August, and December. Individual papers will continue to be published online as soon as they are ready and the journal will continue to publish six online issues per year. Subscription rates include surface mail delivery in North America and air freight or airmail delivery to all other parts of the world. Prices are subject to change without notice.

Copyright © 2016, THE CLAY MINERALS SOCIETY

Individual readers of this JOURNAL, and nonprofit libraries acting in their behalf, are freely permitted to make fair use of the material in it, such as to copy an article for use in teaching or research. Authorization to photocopy items for internal or personal use, or the internal and personal use of specific clients, or for educational classroom use, is granted by **THE CLAY MINERALS SOCIETY** provided that the appropriate fee is paid directly to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA, (978) 750-8400, FAX: (978) 750-4470, web site: www.copyright.com. Permission is hereby granted to quote from this JOURNAL in scientific works when an acknowledgment of the source accompanies the work. Reprint of a figure, table, photograph, or other excerpt requires written consent of one of the original authors and notification to **THE CLAY MINERALS SOCIETY** in writing. Reproduction or systematic or multiple reproduction of any material in this JOURNAL (including abstracts) is permitted only under license from **THE CLAY MINERALS SOCIETY**.

Cover design by John C. Burns (www.burnsdesignandstudio.com). CMS logo design by Timothy G. Phillips. Inset figure: Schematic diagrams corresponding to stacking structure overlaid on HRTEM images of Fe-rich chlorite. See "High-resolution transmission electron microscopy (HRTEM) study of stacking irregularity in Fe-rich chlorite from selected hydrothermal deposits" by Inoué and Kogure.