

## The Geological Society

The Geological Society of London was founded in 1807. It is the UK national society for geoscience, and the longest established geological society in the world.

As a learned society and professional body, the Geological Society provides a wide range of professional and scientific support to over 12 000 Fellows (FGS), about 2000 of whom live overseas. Fellowship of the Society is open to those holding a recognized honours degree in geology or a cognate subject, or not less than six years relevant experience in geology or a cognate subject. The Society is the chartering authority able to award Chartered Geologist (CGeol) status to appropriately qualified Fellows with six years relevant postgraduate experience in the practice of geology. The Society also awards the title of Chartered Scientist (CSI). Candidate Fellowship is available to those who do not yet qualify for Fellowship (e.g. students).

The Society has its own Publishing House in Bath, UK. It publishes the Society's international journals, special publications, books and maps and is the European distributor for publications of the American Association of Petroleum Geologists (AAPG) and the Society for Sedimentary Geology (SEPM). Fellows are entitled to significant discounts on journals, books and special publications. The Society has an online bookshop (<http://www.geolsoc.org.uk/bookshop>) where books can be purchased online using credit and debit cards.

Further information about the Society and Membership may be obtained from the Geological Society, Burlington House, Piccadilly, London W1J 0BG (email: [enquiries@geolsoc.org.uk](mailto:enquiries@geolsoc.org.uk); tel: +44(0)207 434 9944).

Website: <http://www.geolsoc.org.uk>

The Society is a Registered Charity, number 210161

## Associate Editors

**Paola Adamo,**  
Naples University Federico II, Italy

**Nelson Belzile,**  
Laurentian University, Canada

**Rob Bowell,**  
SRK Consulting (UK) Ltd, UK

**Antonella Buccianti,**  
University of Florence, Italy

**Patrice de Caritat,**  
Geoscience Australia, Australia

**Alecos Demetriades,**  
Institute of Geology and Mineral  
Exploration, Greece

**David Fowle,**  
University of Kansas, USA

**Michael Gazley,**  
CSIRO, Australia

**Eric Grunsky,**  
University of Waterloo, Canada

**Bruno Lemiere,**  
BRGM, France

**Annamarie Lima,**  
University of Naples Federico II, Italy

**Annika Parviainen,**  
University of Granada, Spain

**Martiya Sadeghi,**  
Geological Survey of Sweden, Uppsala

**Peter Simpson,**  
Imperial College London, UK

**Cliff Stanley,**  
Acadia University, Canada

**Jerzy Weber,**  
Institute of Soil Science and  
Environmental Protection, Poland

**Renguang Zuo,**  
China University of Geosciences,  
China

**Ni Pei,**  
Nanjing University, China

## Editorial Board

**Andy Bajc,**  
Ontario Geological Survey, Canada

**Neil Breward,**  
2 Intake Road, UK

**Mark Cave,**  
British Geological Survey, UK

**Qiuming Cheng,**  
York University, Canada

**David Cohen,**  
University of New South Wales

**Colin Dunn,**  
Sidney, BC, Canada

**David Fey,**  
US Geological Survey, Denver, USA

**Robert Garrett,**  
Geological Survey of Canada, Canada

**David Gray,**  
CSIRO, Australia

**Reid Keays,**  
Monash University, Melbourne,  
Australia

**Karen Kelley,**  
US Geological Survey, USA

**Bernd Lottermoser,**  
RWTH Aachen University

**Germano Melo Jr.,**  
Federal University at Rio Grande do  
Norte State, Brazil

**Charles Moon,**  
University of Exeter, UK

**Ryan Noble,**  
CSIRO, Australia

**Gloria Prieto,**  
Servicio Geológico Colombiano,  
Colombia

**Andrew Rate,**  
University of Western Australia,  
Australia

**Pertti Sarala,**  
Geological Survey of Finland,  
Finland

**Lisa Stillings,**  
US Geological Survey, USA

**Chris Weisener,**  
University of Windsor, Canada

## Association of Applied Geochemists

The Association of Applied Geochemists is an international organization specializing in the field of exploration and applied geochemistry. Their objectives are to promote the application of geochemistry in relation to exploration and the environment, to foster communication, fellowship and co-operation between those working in, studying or who have an interest in these fields. The AAG newsletter is EXPLORE (quarterly). AAG offers three types of membership: Fellow (voting members); Member (non-voting members); and Student. All three receive the journal *Geochemistry: Exploration, Environment, Analysis* and the EXPLORE newsletter as part of their membership. Prospective members can obtain membership application forms from the Web Site (<http://www.appliedgeochemists.org>) or from Al Arseneault at the AAG Business Office, P.O. Box 26099, 72 Robertson Rd, Nepean, ON, Canada K2H 9R0. Tel: 613-828-0199; Fax: 613-828-9288; E-mail: [office@appliedgeochemists.org](mailto:office@appliedgeochemists.org). Annual dues are \$100.00. Student members pay annual dues of \$10.00. The Business Office should be notified of any change of address.

*Submission procedure:* Manuscripts should be prepared as outlined here: [https://www.geolsoc.org.uk/geea\\_authorinfo](https://www.geolsoc.org.uk/geea_authorinfo)  
All submissions to the journal should be made online via [www.editorialmanager.com/geochem](http://www.editorialmanager.com/geochem)



Typeset by Nova Techset Private Limited, Bengaluru and Chennai, India. Printed in Great Britain by Henry Ling Limited, at the Dorset Press, Dorchester, Dorset, DT1 1HD