

ISSN 0869-2904

EXPERIMENT

In Mineralogy Crystallography
Petrology Geophysics
Geochemistry Isotopy

GeoSciences

2019 Volume **25** Number **1**



EXPERIMENT

o

in

Mineralogy
Petrology
Geochemistry

Crystallography
Geophysics
Isotopy

GeoSciences

Founded in 1991 by

INSTITUTE of
EXPERIMENTAL

MINERALOGY

*Russian Academy of
Sciences*

EXPERIMENT IN GEOSCIENCES is the only journal in English that gives you the latest, most reliable information on advances in experimental mineralogy, petrology, geochemistry, crystallography and geophysics in Russia. The coverage of the journal includes:

- original research and review articles
- abstracts of scientific papers
- proceedings, abstracts and announcements of national and international conferences, symposia and workshop
- information about the leading experimental centers in Russia
- advertisement of new techniques and equipment

Editor in Chief
O.G. Safonov

Editors:
T.F. Kazachenko
tanya@iem.ac.ru

Ass. Editors@ Comp.graphics:
M.S. Belova
belova@iem.ac.ru

Editorial Board

V. Yu. Chevychelov
D.A. Chareev
L. Lakshtanov
O.A. Lukanin
E.G. Osadchii
Yu.N. Pal'yanov
A.F. Redkin
Yu.B. Shapovalov
N.I. Suk
M.V. Voronin

Institute of Experimental Mineralogy

Russian Academy of Sciences
142432 Chernogolovka
Academica Osip'yana str, 4,
Moscow region
Russian Federation

<http://www.iem.ac.ru>

TRANSLATED into ENGLISH by:
the authors

Copyright (C) IEM

Photographic reproduction, microfilm, electronic data base, video disks, or any other reproduction of text, figures, or tables from this journal is prohibited without the publishers' permission