

CONSIGLIO NAZIONALE DELLE RICERCHE

ofioliti

**An International Journal
on Ophiolites and Modern Oceanic Lithosphere**

**VOLUME 50 • N. 2
JULY 2025
PP. 47-70**



Edizioni ETS

- Executive editor** Alessandra Montanini - Department of Chemistry, Life Sciences and Environmental Sustainability - University of Parma, Italy
email: editor@ofioliti.it
- Associate editors** Giulio Borghini - Earth Sciences Department - University of Milan, Italy
email: giulio.borghini@unimi.it
- Marco Chiari - IGG - Institute of Geosciences and Earth Resources - Florence, Italy
email: marco.chiari@unifi.it
- Yildirim Dilek - Department of Geology and Environmental Science - Miami University, USA
email: dileky@miamioh.edu
- Marc Hässig - Department of Earth Sciences - University of Geneva, Switzerland
email: marchassig@gmail.com
- Chuan-Zhou Liu - Institute of Geology and Geophysics - Chinese Academy of Sciences, China
email: chzliu@mail.iggcas.ac.cn
- Francesca Meneghini - Earth Sciences Department - University of Pisa, Italy
email: francesca.meneghini@unipi.it
- Claudio Natali - Earth Sciences Department - University of Florence, Italy
email: claudio.natali@unifi.it
- Jose Alberto Padron-Navarta - Géosciences Montpellier - University of Montpellier, France
email: padron@gm.univ-montp2.fr
- Alessio Sanfilippo - Earth and Environmental Sciences Department - University of Pavia, Italy
email: alessio.sanfilippo@unipv.it
- Senior editor** Valerio Bortolotti - Earth Sciences Department - University of Florence, Italy
email: valerio.bortolotti@unifi.it
- Other advisors for this issue** K. Bonova, Košice, *Slovakia*; N. Chizzini, Parma, *Italy*; L. Federico, Genova, *Italy*; A. Pandey, Pondicherry, *India*.
- Printed by** Edizioni ETS, Palazzo Roncioni - Lungarno Mediceo 16, 56127 Pisa, Italy
e-mail: ofioliti@edizioniets.com
ISBN 978-884677307-4

This journal is covered by SCIENCE CITATION INDEX EXPANDED (Sci Search®), ISI ALERTING SERVICE, CURRENT CONTENTS®/PHY. CHEM. & EARTH SCIENCE, GEOBASE, GEOLOGICAL ABSTRACT, GEOREF, PASCAL THEMA, SCOPUS.

2024 Impact Factor: **1.3**

CiteScore for 2024: **2.7**

Ofioliti was established in 1976, and provides an international forum for original contributions and reviews in the field of the geodynamics, petrology, geochemistry, biostratigraphy, stratigraphy, tectonics and paleogeography applied to ophiolitic terrains and modern oceanic lithosphere, including their sedimentary cover. Studies of topics such as geodynamics of the mantle, evolution of orogens including ophiolites and paleoceanography are also welcome.

Ofioliti is issued twice per year, with possible supernumerary special issues. The subscription price for the printed version of the journal is EUR 150.00 for institutions and libraries, EUR 35.00 for individuals (EU countries). The subscription price for the other countries is EUR 200.00 for institutions and libraries; EUR 50.00 for individuals. Airmail service needs extra: EUR 20.00.

Payments may be made online by Paypal or by Credit Card (see <https://www.ofioliti.it/index.php/ofioliti/about/subscriptions>). Bank draft, postal cheque or Eurocheque payments are also accepted. For further details about these forms of payment contact info@edizioniets.com.

The manuscripts need to be submitted online. For manuscript submission and Author Guidelines follow the link www.ofioliti.it/index.php/ofioliti/about/submissions.

Permission is given to photocopy any material appearing in Ofioliti for non-commercial scientific or educational purpose. Quotations of excerpts and reproduction of figures or tables are permitted provided that the source is fully acknowledged.

Autorizzazione alla pubblicazione del Tribunale di Firenze, n. 4608 del 29 luglio 1996, Iscrizione nel Registro Nazionale della Stampa n. 02137, Spedizione in A.P., art. 2 comma 20/B L. 662/96, n. 1042 del 03/06/2002, Pisa. Direttore responsabile: Valerio Bortolotti.

INDEX VOL. 50 (2025)

ROMAN AUBRECHT, PETER IVAN and TOMÁŠ MIKUŠ Testing of Cr-spinel stability during weathering, transport, and diagenesis on conglomerates with ophiolitic detritus: consequences for interpretation of the provenance of exotic flysches in the Alpine-Carpathian area	63
MICOL BUSSOLESI, GIOVANNI GRIECO, FEDERICA ZACCARINI, FAHUI XIONG and ALESSANDRO CAVALLO The effect of multiple alteration processes on Skyros chromitites (Northern Sporades, Greece)	1
MARÍNA MOLČAN MATEJOVÁ, TOMÁŠ POTOČNÝ, DUŠAN PLAŠIENKA and ROMAN AUBRECHT Palaeoenvironmental interpretation of chaotic complexes of the Meliata Unit (Western Carpathians, Slovakia): new data from biochronology, lithostratigraphy and geochemistry	17
FRANCESCO MINIATI, SILVIA RESCIC, BARBARA SACCHI and FABIO FRATINI Micropaleontology and cultural heritage: the stone cladding materials of the religious buildings of Prato (Tuscany-Italy)	37
PIETRO ZANZUCCHI, EDOARDO SANITÀ, RITA CATANZARITI, LUCA PANDOLFI and MICHELE MARRONI Revisiting the Internal Ligurian Units of the Antessio area (Ligurian Apennines, Italy): insights into the oceanic lithosphere of the Ligurian-Piedmont basin	47

GUIDELINE FOR PAPER PUBLICATION

Language

The accepted language is English.

Manuscript submission

Ofioliti publishes original research papers and reviews on ophiolites and modern oceanic lithosphere. Types of papers accepted include: regular articles, reviews, comments/replies regarding papers published in the Journal.

- A PDF version of the manuscript must be uploaded in the submission web page as a unique file including text, figures and tables (in this order, including supplementary material). Please avoid to put figures and tables within the text.
- A brief and informative cover letter introducing the main target of the submitted manuscript must be uploaded as a separate (word or pdf) file; names and e-mail addresses of 3 potential reviewers should be also provided in the cover letter.
- As a general guideline articles should not have more than 15 figures (excluding those appearing in the supplementary material), nor more than 80 references.
- Please note that text, figures, tables and supplementary material as separate original files must be uploaded only after article acceptance.
- When entering the list of contributors, please add name, email address, affiliation and ORCID for all the authors in the meta-data form.

The manuscripts need to be submitted in the following form:

- Title.
- First and last name of the authors.
- Affiliation of each author.
- Name and e-mail of the corresponding author.
- **Keywords** (4-8) describing in order: i) main object of the paper, ii) attributes and specific aspects, iii) age, iv) locality.
- **Abstract**: a complete but synthetic summary should precede the paper.
- **Text**: a clear hierarchic order of the chapters is recommended. References in the text should be in brackets in the form: (Shakespeare et al., 1600), (Reagan and Gorbaciov, 1985). Paleontological names, in latin, should be displayed in italics. Foot page notes should be double-spaced and inserted at the end of the page they refer to, with a progressive number from the first to the last one.

The lines in the manuscript must be numbered continuously from beginning to end of the manuscript.

- Mathematics:
 - In-line equations should be typed as text.
 - Use of graphics programs and equation editors should be avoided, unless part of commonly available word-processing packages (Word, Pages, etc.).
 - Particularly complex equations or formulas can be send as a raster image (JPEG or TIFF).

References

The format of the references is shown in the following examples:

Journal article:

- Sclater J.G., Hawkins J.W., Mammerichx J. and Chace C.G., 1972. Crustal extension between the Tonga and Lau Ridges: petrologic and geophysical evidence. *Geol. Soc. Am. Bull.*, 83 (2): 505-517. [https://doi.org/10.1130/0016-7606\(1972\)83\[505:CEBTTA\]2.0.CO;2](https://doi.org/10.1130/0016-7606(1972)83[505:CEBTTA]2.0.CO;2).

Book:

- Holmes A., 1965. *Principles of Physical Geology*. Nelson, London, 1288 pp.

Book chapter:

- Montanini A., Tribuzio R. and Bersani D., 2010. Insights into the origin of mantle graphite and sulphides in garnet pyroxenites from the External Liguride peridotites (Northern Apennine, Italy). In: M. Coltorti, H. Downes, M. Gregoire and S.Y. O'Reilly (Eds.). *Petrological evolution of the European Lithospheric Mantle*, *Geol. Soc. London Spec. Pub.* 337; 87-105, <https://doi.org/10.1144/SP337.5>

If available, DOI should always be reported.

Figures

- General:
 - At submission all line-drawings and photographs need to be included at the end of the pdf version of the manuscript.
 - For review purposes, the illustrations must be clearly legible and relatively easy to handle.
 - Authors will be asked to send original electronic versions to the Executive Editor only when manuscript is accepted.
 - All illustrations should be numbered.
 - All illustrations, whether line drawings or photographs, are termed figures.

- About digital images:
 - We prefer TIFF, JPEG or native files for line drawings and TIFF or JPEG files (at least 300 dpi) for photographs and micro-photographs.
 - Pattern and screens: Avoid using dot screens and gray shades if possible, when dot screens are scanned dropouts or moiré patterns often occur.
 - If they are essential to the understanding of the figure try to make them coarse and use patterns instead of dot screens.
 - The pattern should look like dots and not appear as uniform gray at final publication scale.
 - If you use a dot screen it must be between 20% and 80% and a difference at least of 30% must be used between two adjacent dot screen fields.
 - Avoid fine lines and hairlines, preferably no finer than 1 pt.
- Figure size:
 - Digital images must be dimensioned using the figure final size, at least.
 - All illustrations should fit the width of a column (85 mm), two-thirds of a page (120 mm, with vertical aligned caption) or a full page (180mm).
- Other tips:
 - Subpanels of multipanel figures should be labelled with lower-case roman letters, (a), (b) etc.
 - Avoid mixing typefaces and style of figures within the same paper. Plan all type sizes large enough so that the smallest letters will be at least 1.5 mm tall after reduction.
 - Bar scales are preferred to numerical scales.
 - Calibrate graphic scales in metric units.
 - Indicate latitude and longitude on maps.
 - Where necessary, mark top.
 - All lettering on illustrations must be drafted, not typed or handwritten. Composite Photo plates must be mounted on a surface (max. 180 x 250 mm).
- Color images:

Color illustrations will be accepted without additional fees for the online version. For color reproduction in print, extra costs are required. When you resubmit the final version please indicate your preference for color: in print or online only. In the latter case **please check that the different grey patterns can be distinguished in the black and white printed version.**

Tables

Tables must be typed on separate sheets (as **.xls excel files**) at the end of the manuscript. They should be self explanatory and should supplement, not duplicate the text. They must have a separated numeration, in accordance with their appearance in the text. Please avoid using vertical rules, shading and colors in table cells.

Captions

Figure and table captions must be typed on a separate sheet.

Supplementary material

Supplementary files can be uploaded separately during the submission process.

Print and reprints cost

- In order to keep this an open-access journals, authors are asked to contribute to the Journal publication with 100 €.
- The reprints cost is not included and it depends on the page numbers of the paper. If you would like to purchase reprints of your article please fill the “offprint order form” that will be send you by ETS with the proof of your article.
- Color illustrations and double (folded) figures will be accepted; however, the authors will be expected to make a contribution to extra costs.
- The print fee, reprints cost and the extra costs must be paid using the Authors Fees web section (right column of the Home Page).

Editorial process

- After article acceptance, Authors are encouraged to upload final text, figures and tables using the website submission page. The files may be also sent by email to the Executive Editor of Ofioliti (editor@ofioliti.it)
- It is recommended that Authors provide the final version of the text preferably in Microsoft WORD.
- As with the requirements for the manuscript, the main text, list of references, table and figure captions should be stored in separate text files with clear file names.
- The Associate Editors have the right to introduce minor language corrections to the final version of the manuscript. A pdf proof version of your paper will be sent to the corresponding author, to be checked for the typesetting/editing.
- The Authors are not expected to make changes or correction that constitute departures from the paper in its accepted form.
- Proof must be returned within 2 days by e-mail. *Ofioliti* will do everything possible to get your paper corrected and published as quickly and accurately as possible. Therefore it is important to ensure that all of your correction are sent back to us in one communication.

