

## ***Geological Magazine***

### **Aims and scope**

*Geological Magazine*, established in 1864, is one of the oldest and best-known periodicals in the Earth Sciences. Its worldwide circulation, broad scope and high production values keep the journal at the forefront of the field. *Geological Magazine* publishes original papers, review articles, rapid communications and discussions about all aspects of the geosciences. It covers petrology, geochemistry, palaeontology, sedimentology, stratigraphy, structural geology, geophysics, and geomorphology, and it includes contributions on volcanology, marine geology, glaciology, palaeoclimatology, palaeoceanography, geochronology, biostratigraphy, geohazards and Earth history. Special issues devoted to a specific theme or papers from a major conference are also published. *Geological Magazine* has a particular strength in providing a niche for interdisciplinary papers on regional geology and Earth history that would be of interest to geologists from many different specialities. Papers of any length are considered, provided that the length is justifiable.

### **Categories of paper**

The Editors welcome original, creative, high-quality contributions suitable for the journal's international readership. There are no page charges for papers published in *Geological Magazine*, however, if you request colour figures in the printed version, you will be contacted by CCC-Rightslink who are acting on our behalf to collect Author Charges. Online reproduction of colour images is free of charge.

#### **Original Articles**

This category is intended for full-scale research studies that fit within the journal's scope. There is no page limit, however, papers should be as concise as clarity permits. They should include an abstract of up to 250 words, accompanied by 4–7 keywords. If your article has an appendix, this should be submitted as online-only *Supplementary Material*.

#### **Rapid Communications**

This category is designed for concisely written research reports for which rapid publication is considered desirable. Papers in this category should not exceed six printed pages of the journal (approximately 5000 word-equivalents, plus one-and-a-half pages of figures), including an abstract of no more than 100 words, and 4–7 keywords. *Rapid Communications* will follow a streamlined schedule and will normally be published within six months of submission. To meet this schedule, authors will be required to make revisions with minimal delay.

#### **Review Articles**

This category is intended for comprehensive scholarly reviews that summarise and critically evaluate research in the addressed field and identify future implications. *Review Articles* may be submitted or they may be invited by the Editors. They should contain no more than 5000 words (not including references, figures or tables), a summary of up to 250 words, and 4–7 keywords. (Exceptions to the length limitation will be considered by the Editors if justified by the scope of the review.)

#### **Discussions**

This category is intended for discussions of papers that have already been published in *Geological Magazine*. Discussions in this category should not exceed six printed pages of the journal (approximately 5000 word-equivalents, plus one-and-a-half pages of figures).

## Book Reviews

*Book Reviews* are published on selected books that fall within the journal's scope, on topics that the Book Review Editor considers to be of general interest to readers of *Geological Magazine*. *Book Reviews* are published by the invitation of the Book Review Editor and should not be submitted independently.

## Originality and copyright

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You should particularly note the following instructions:

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- All figures must be uploaded in TIFF or EPS formats as separate files, and saved at final size and at appropriate resolution. Colour figures must be saved as CMYK (not RGB, except for Supplementary files).
- Tables must be inserted at the end of the main document, not supplied as separate files.
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- A cover letter must be supplied at initial submission. This can be uploaded as a separate file. The cover letter must contain:
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You will be given the opportunity during submission to suggest preferred and non-preferred referees, although your suggested referees will not necessarily be used.

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All contributions must be written in English. Papers should be as concise as clarity permits, and figures should be restricted to the minimum number required for a clear explanation. Your article should be typed in the same font throughout, no smaller than 12 point, with double-line spacing. You should ensure that text, figures, tables, citations and references adhere to the journal styles described in this document.

The *Title Page* should contain the full title of the paper, the category under which the manuscript is submitted, the full names and affiliations of all authors, a short title for the running headlines (limited to 50 characters), and an email address for the corresponding author. The title should be an accurate representation of the content of the paper, and it should not contain abbreviations, technical jargon or esoteric terms. Use an initial capital only in the title, except for proper nouns.

The *Abstract* should be an unstructured abstract. It must not exceed 250 words, but it must provide the reader with a self-contained summary of the paper. It should include a brief introduction to the paper, the method, the key findings and the conclusions. A list of 4–7 keywords for indexing should follow the summary (not words that are used in your article's title).

The *Body of the Manuscript* should be broken into sections, such as the Introduction, Material and Methods, Results, Discussion, Acknowledgements, Declaration of Interest, References. You should identify within the text where figures and tables should be inserted. Please ensure that all headings conform to journal style:

- Main headings: typed in bold with an initial capital only and (except Acknowledgements, Declaration of Interest section and references) numbered consecutively: **'1. Introduction'**, **'2. Materials and methods'**.
- Subheadings: typed in bold and numbered 'a', 'b', etc., within each main heading, e.g. **'5.a. Bedrock samples'**, **'5.b. Oligo-Miocene sedimentary samples'**.
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The *Acknowledgements* should list sources of financial support (including grant numbers) for all authors, credits for permission given for reproduction of third-party material, and any other acknowledgements. Multiple grant numbers should be separated by a comma and a space. Where research was funded by more than one agency, the different agencies should be separated by a semi-colon, with 'and' before the final funder. Grants held by different authors should be identified as belonging to individual authors by the authors' initials. For example, 'This work was supported by the Wellcome Trust (A.B., grant numbers XXXX, YYYY), (C.D., grant number ZZZZ); the Natural Environment Research Council (E.F., grant number FFFF); and the National Institutes of Health (A.B., grant number GGGG), (E.F., grant number HHHH).' Where no specific funding has been provided for research, please provide the following statement 'This research received no specific grant from any funding agency, commercial or not-for-profit sectors.'

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This list of potential conflicts is not all inclusive, and it is the responsibility of each author to ensure that all of their 'potential conflicts' are reported. It is the corresponding author's ethical responsibility to explicitly check with each of his/her co-authors to ensure that any real or apparent conflict of interest is appropriately disclosed. Authors should err on the side of full disclosure and if, authors are uncertain about what constitutes a

relevant conflict, they should contact the editorial office ([geolmag@cambridge.org](mailto:geolmag@cambridge.org)). If there are no conflicts of interest, the section heading should be entered followed by 'None.'

The list of *References* should give details of all references cited in your paper. The entries should be styled as described in the 'References' section of this document.

Any *Appendices* should be submitted as online-only *Supplementary Material*.

## Figures

You can find further information about how to prepare your figures at the following link:  
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### Formats

All figure files must be saved as TIFF or EPS files, at final size and at appropriate resolution (1000–1200 dpi for line drawings, 300 dpi for photographs and halftone images, and at least 600dpi for combination figures). Other file formats or figures 'pasted' into Word files are not accepted. Colour figures should be saved in CMYK (not RGB, except for Supplementary files).

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Design your figures with the journal's page format in mind, making best use of page space. Figures must fit in either single-column (80 mm) or double-column (169 mm) width. The height of figures may vary up to a maximum of 235 mm. Do not exceed these limits even by fractions of a millimetre or the edges may disappear.

Do not include the figure number (e.g. Figure 1) within the figure. However, in figures that are made up of multiple parts, you must include labels in lower-case font for each part of the figure: (a), (b), (c) etc. Each part should be explained or described in the figure caption.

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Figure captions should be inserted at the end of the main text file, not typed within the figure. Use the following style: 'Figure 1. Thin-section photomicrographs of (a) the Canonbie Bridge Sandstone Formation and (b) the Becklees Sandstone Formation. Scale bar is 0.55 mm across.', 'Figure 2. (a) Reference map of Morocco. (b) Close-up of the outcrop localities studied in the Atlas Mountains.'. If your figure contains third-party copyrighted material, you should include a credit in your figure caption.

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### Photographs

In figures composed of photographs (known as half-tones), each component part should be labelled with a lower-case letter and each part should be explained in the figure caption. Ensure each photograph has a scale object or scale bar, with dimension stated within the caption, or state field of view or height of cliff in the caption.

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Authors need to carefully consider the following when submitting figures in colour that will be published in colour online only.

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- When submitting figures to be in colour online only, authors must include the phrase <<colour online>> in the figure captions. This is the author's responsibility. Here is an example of a figure caption for a colour online only figure:  
*Figure 1.* (Colour online) Experimental (red dotted curve) and simulated (blue solid curve) X-ray diffraction spectra.

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- The colour figure file is deemed unusable due to production standards or poor colour quality and must be converted to black and white.
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## Tables

Tables should be placed in the main manuscript file at the end of the document, not within the main text. Each table should be placed on a separate page and its approximate position in the text must be indicated in the typescript. Tables must be supplied in a modifiable format, not as graphics. Large tables or additional tables could be submitted as online-only *Supplementary Material*.

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You should cite all figures, tables and Supplementary files within the text. Figures/tables should be numbered sequentially as they appear in the text. Parts of figures should be written in lower case, e.g. 'Figure 7b, c', 'Figure 6a–d'. Use the whole word at the start of a sentence and in open text, e.g. 'Figure 3', 'Figures 4, 5', 'Table 4', 'Tables 6–8'. For figures, use the abbreviation in parentheses, e.g. '(Fig. 2a)', '(Figs. 3b, 4)', '(Figs. 6–8, 10)', but refer to '(Table 2)', '(Tables 4, 5)'.

For citations of papers, use '&' for two authors and '*et al.*' for four or more authors. Use 'a', 'b' etc. as defined by the alphabetical order in the Reference list if citing more than one paper by the same author. Arrange chronologically by year of publication in the citation. For example, '(Hoy, 1994a; Crampton & Bones, 1996; Hu *et al.* 1996; Loxdale & Lushai, 1998, 1999b)'. Use the styles 'Zhang & Hewitt (1997)' and 'Harry *et al.* (1998)' at the start of a sentence. Otherwise use '(Taylor & Davies, 1989)' or '(Hu *et al.* 1996)'. When citing a book, also cite the page number where that information can be obtained, e.g. '(Tucker & Wright, 1990, p. 184)'.

Do not give cross-references by page number. Use 'above' and 'below' with the section specified, e.g. 'Section 2.a.2 above'.

Unpublished material should be cited within the text in the form 'pers. comm.' or 'T. Reinecke, unpub. Ph.D. thesis, Technische Univ. Braunschweig, 1982'.

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## References

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### Journal

FREY, E. & MARTILL, D. M. 1996. A reappraisal of *Arambourgia* (Pterosauria, Pterodactyloidea): one of the world's largest flying animals. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* **199**, 221–47.

### Book

ROBERTSON, A. H. F. 2000. Mesozoic–Tertiary tectonic-sedimentary evolution of a south Tethyan oceanic basin and its margins in southern Turkey. In *Tectonics and Magmatism in Turkey and the Surrounding Area* (eds E. Bozkurt, J. A. Winchester & J. D. A. Piper), pp. 43–82. Geological Society of London, Special Publication no. 173.

ELEWA, A. M. T. 2010. *Morphometrics for Nonmorphometricians*. Springer, 367 pp.

### Online publications

If a paper is published online, but hasn't yet been published in a printed issue, please list the article's doi in the reference list. Once the paper has been published in print, the full reference should be given in the usual way.

PINTO, V. M., HARTMANN, L. A. & WILDNER, W. 2010. Epigenetic hydrothermal origin of native copper and supergene enrichment in the Vista Alegre district, Paraná basaltic province, southernmost Brazil. *International Geology Review*, published online 12 February 2010. doi: 10.1080/00206810903464547.

References to websites should state the date that the website was accessed, as well as the URL.

WEISSTEIN, E. W. 2005. Euler–Lagrange differential equation. Available at <http://mathworld.wolfram.com/eulerlagrangedifferentialequation.html> (accessed 10 April 2006).

### PhD thesis

Unpublished theses should not be listed in the reference list. Published theses can be listed, but please include 'published thesis' as part of the entry.

YEKUTIELI, D. 2001. Theoretical results needed for applying the false discovery rate in statistical problems. PhD thesis, Department of Statistics and Operations Research, Tel Aviv University, Tel Aviv, Israel. Published thesis.

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- Please do not use the automatic 'bulleted list' word-processing facility. You should type your lists manually: (i), (ii), (iii)...; (a), (b), (c)...; (1), (2), (3).
- Use the SI system of units.
- Use single quotes ( ' ') not double quotes ( " ") throughout the paper.
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- Use ka, Ma (not m.y. or Myr), Ga for thousands, millions and billions of years, both for dates and for time differences (IUGS standard).
- Use km not Km.
- Use middle/Middle and not mid.
- Use upper-case letters for Early, Middle, Late, Lower, Middle, Upper only where formally erected as divisions; use lower case elsewhere.
- Use Early, Middle, Late for time, but Lower, Middle, Upper for rock-stratigraphic terminology (whatever the capitalization).
- NNW; top-to-the-N; SW-dipping, but 'in the north of the area'.
- Hyphenate -trending, -dipping, -striking, etc.
- Use italic for fossil names.
- Terms such as Cambrian and Palaeozoic should be used in their original adjectival sense, not as nouns. Use 'Cambrian period' or 'Palaeozoic period' instead.
- Use 40K/39Ar only for ratios; use 40K–39Ar for ages and the dating method (with the numerals as superscripts).

## Supplementary Material

The online platform gives authors the opportunity to include material that it would be impossible or impractical to include in the printed version, for example, extensive datasets, complex mathematical calculations or proofs, 3D-structures, 3D-images or video files. You must upload *Supplementary Material* at the same time that you submit your manuscript, and you must give details in your cover letter of all supplementary files uploaded. If accepted, this material will be placed in the Cambridge University Press *Supplementary Material* data archive, and it will be accessible online. Authors should ensure that they mention within their article that *Supplementary Material* is available on the Cambridge Journals Online website.

At the head of the first page of your *Supplementary Material* file, type 'Geological Magazine', the article title, the names of the authors, the heading 'Supplementary Material', and then the relevant inclusions. Please note that (unlike figures included in the printed article) captions or legends should be included for all figures and tables in *Supplementary Material*. You should number figures or tables with the prefix 'S', e.g. Supplementary Figure S1, Supplementary Table S1. Colour images for online publication as Supplementary Material must be saved in RGB format (not CMYK).

Although *Supplementary Material* is peer reviewed, it is not checked, copyedited or typeset after acceptance and it is loaded onto the journal's website exactly as supplied. You should check your *Supplementary Material* carefully to ensure that it adheres to journal styles. Corrections cannot be made to the *Supplementary Material* after acceptance of the manuscript. Please bear this in mind when deciding what content to include as *Supplementary Material*.

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*(Revised 21/05/2014)*