

## INSTRUCTIONS TO AUTHORS

### PURPOSE AND EDITORIAL POLICY

The *Brazilian Journal of Geophysics – BrJG* (formerly *Revista Brasileira de Geofísica*) is a quarterly journal of the Brazilian Geophysical Society (SBGf), with arbitration and open access, devoted to the national and international dissemination of original scientific and technical articles related to research in geophysics and geophysical applications in the areas of Geological Sciences, Oceanography, Atmospheric Sciences, and Space Sciences. The topics of interest comprise nine areas:

**1. Seismic Methods**

(ex: Acquisition, processing and seismic imaging, Modeling and inversion of the seismic data, Seismic methods applications to prospecting of oil and gas, etc.)

**2. Solid Earth Geophysics**

(ex: Geodynamics, Tectonophysics, Geomagnetism, Paleomagnetism, Seismology, etc.)

**3. Potential Methods, Gamma-Ray Spectrometry and Geothermal Studies**

(ex: Gamma spectrometry, Geothermics, Gravimetry, and Magnetometry applied to the environment, mineral resources, oil and gas and groundwater, etc.)

**4. Electrical and Electromagnetic Methods**

(ex: Direct and inverse modeling of electrical and electromagnetic methods, Electrical and electromagnetic method applications to the prospecting of mineral assets, oil and gas and groundwater, etc.)

**5. Remote Sensing**

(ex: Analysis of observation temporal series of the Earth, Geoprocessing, Image processing, Sensing applied to forest resources, agriculture, geoscience, etc.)

**6. Near-Surface Geophysics, Environmental and Forensic Geophysics**

(ex: Applications to environmental studies, archeology and forensic geophysics, etc.)

**7. Marine Geophysics and Physical Oceanography**

(ex: Coastal dynamics and physical oceanography, Coastal evolution of barrier/lagoon depositional systems, Glaciology and climatology, Hydrodynamics and transport processes in estuaries and coastal waters, etc.)

**8. Space Geophysics and Aeronomy**

(ex: Upper atmosphere, Ionosphere, Atmospheric electricity, Aeronomy, etc.)

**9. Petrophysics and Well Logging**

(ex: Petrophysics, Reservoir characterization, Application of petrophysics to problems of geoen지니어ing and environmental geology, and Well Logging, etc.)

In addition to original technical and scientific articles, the journal publishes review articles from guest authors and discussions. Thematic special issues may also be dedicated to a single topic, edited by invited experts.

Editorial work is fulfilled by nine Divisional Associate Editors (distributed according to the areas previously specified), Editorial Board members and a group of reviewers, whose names are announced periodically.

Manuscripts submitted to *BrJG* are reviewed by at least two specialists chosen by the Editors whose names are kept anonymous. Moreover, the authorship of the article is not disclosed to the reviewers during the review phase (Blind Review).

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#### PREPARATION OF THE MANUSCRIPT

1. All manuscripts submitted for appraisal by the Editorial Board of the Brazilian Geophysical Journal (*BrJG*) should be sent electronically by means of the journal website ([www.rbgf.org.br](http://www.rbgf.org.br)), using the link Submission. To start the submission process, the corresponding author should be registered in the system as "author". The system is self-explanatory and, when the process is finished, the author will receive a message on his/her registered email confirming submission and identification number of the article.
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6. Before the Abstract, the article text must provide the area corresponding to the article substance (according to 1-9 aforementioned areas).

7. During submission, the author must suggest at least four names of possible reviewers, who are able to critically assess the manuscript submitted to *BrJG*.
8. The authors should detail any potential conflict of interest related to the submitted article. The conflict may be personal, commercial, political, academic or financial. If necessary, authors may request that the manuscript not be assessed at certain institutions or reviewers, in order to avoid possible conflicts of scientific interest.
9. Tables and figures should be inserted in the text, as quoted, and followed by their captions. Do not put captions on the figures themselves. Figures and tables with the respective captions should be submitted in English. In the text, citations of figures and tables, when appearing between brackets, should be referred to as (Fig. 1), (Figs. 2 and 3), (Table 1) and (Tables 2 and 3), for example.
10. The images should be in color when the use of colors is essential for understanding the figures or considered strictly necessary in the context of the manuscript. The production of images should consider the understanding of them, even when they are printed in grayscale.
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12. Tables should be self-explanatory and not very extensive. The density of information in the tables should take into account possible reductions.
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15. Whenever possible, the units must be used according to the International System.
16. Subtitles are positioned to the left margin and the conventional structure of scientific articles should be observed, whenever possible, in the following order:

**INTRODUCTION**

**METHODOLOGY**

**Theoretical Revision**

**Laboratory Measurements**

**RESULTS**

**DISCUSSION**

**CONCLUSION**

**APPENDIX**

**ACKNOWLEDGMENTS**

**REFERENCES**

17. When necessary, acknowledgments and credits to the funding institutions should appear in the Acknowledgments section.
18. The references are listed in alphabetical order of first author's surname. When several references of the same first author appear, they should be sorted first by the date of publication in ascending order and then by the number of authors. Examples:

BOTT MHP. 1982. Stress based tectonic mechanisms at passive continental margins. In: SCRUTTON RA (Ed.). Dynamics of Passive Margins. Geodynamics Series, vol. 6, AGU, 147-153.

CHAPMAN DS & POLLACK HN. 1975. Global heat flow: a new look. Earth Planet. Sci. Lett., 28: 23-32.

MILANI EJ, BRANDÃO JASL, ZALÁN PV & GAMBOA LAP. 2000. Petróleo na Margem Continental Brasileira: Geologia, Exploração, Resultados e Perspectivas. Brazilian Journal of Geophysics, 18(3): 351-396.

OLIVEIRA VF. 1986. Análise de Dados Sísmicos registrados com Grandes Afastamentos entre a fonte e os receptores. Master Dissertation on Geophysics – Programa de Pós-graduação em Geofísica, Centro de Pesquisa em Geofísica e Geologia, Universidade Federal da Bahia, Brazil, 1986. 109 pp.

SILVA EFF, PORTUGAL RS & VICENTINI A. 2007. Model rays for depth-to-time conversion. In: International Congress of the Brazilian Geophysical Society, 11., 2009, Salvador. Proceedings... Salvador, Brazil: SBGf, 2009. CD-ROM.

VENING MEINESZ FA. 1964. The Earth's Crust and Mantle. Developments in Solid Earth Geophysics (1), Elsevier, N.Y., 435 pp.

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In addition to full papers, the *BrJG* publishes abstracts of dissertations and theses that preferably should not exceed 500 words and should necessarily have the names of the student and the advisor, the university and the department, the degree obtained and the date of the final presentation.