

## 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 ten 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 geoengineering and environmental geology, and Well Logging, etc.)

**10. Machine Learning**

(ex: applications in Geophysics; applications in High Performance Computing; Cloud Computing and other virtual computational environments; Digital Transformation in Geophysics; Big Data and the challenges of creating integrated Geophysics databases, etc.)

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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*.
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9. Tables and figures should be inserted in the text, as quoted, and followed by their respective captions. Do not put captions on the figures themselves. In the text, citations of figures, tables and equations, only when appearing between parentheses, should be referred to in abbreviated form: (Fig. 1), (Figs. 2 and 3), (Table 1) and (Tables 2 and 3), for example.
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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**

**ACKNOWLEDGMENTS**

**APPENDIX**

**REFERENCES**

17. When necessary, acknowledgments and credits to the funding institutions should appear in the Acknowledgments section.
18. The appendix is an optional section that can include supplementary data and information to the main text. All appendix sections must be cited in the main text. In the appendixes, figures, tables, equations etc. should be labeled starting with “A” or “B”, e.g., Figure A1, Equation A1, etc.
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Rosa, A. L. R, 2018, *Análise do Sinal Sísmico*: Rio de Janeiro, RJ, Brazil: SBGf, 713 pp.

Mohriak, W. U, 2003, *Bacias Sedimentares da Margem Continental Brasileira*: [Sedimentary Basins of the Brazilian Continental Margin]: In: L. A. Bizzi, C. Schobbenhaus, R. M. Vidotti, and J. H. Gonçalves, eds., *Geologia, Tectônica e Recursos Minerais do Brasil*. Brasília, DF, Brazil: CPRM. chapter III. p. 87-165.

Meneguim, T. B., S. C. Mendes, A. R. Maul, L. F. Fernandes, M. G. Farias, and G. Gonzalez, 2015, Combining seismic facies analysis and well Information to guide new interval velocity models for a Pre-Salt study, Santos Basin, Brazil. In: 14th International Congress of the Brazilian Geophysical Society & EXPOGEF, SBGf: Rio de Janeiro, RJ, Brazil, 3-6 August 2015.

Poletti, W., 2018. *Archaeomagnetic Field Intensity Evolution during the Last Two Millennia*. PhD Thesis. Universidade de São Paulo – IAG. São Paulo, SP, Brazil.

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