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Brazilian Journal of Computers in Education
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<http://br-ie.org/pub/index.php/rbie>

See also:

- Special Committee on Computers in Education (Comissão Especial de Informática na Educação – CEIE): <http://br-ie.org>
- Brazilian Computer Society (Sociedade Brasileira de Computação – SBC): <http://www.sbc.org.br>

Description

The Brazilian Journal of Computers in Education - RBIE (ISSN: 1414-5685; online: 2317-6121), created in 1997, is a publication maintained by the Special Committee on Computers in Education (Comissão Especial de Informática na Educação - CEIE) of the Brazilian Computer Society (Sociedade Brasileira de Computação - SBC) in partnership with researchers and universities from Brazil and abroad.

The journal seeks to gather and publish scientific works of excellence (with solid and correct scientific methodology) carried out by professionals and researchers in the area of Computers in Education. It also seeks to disseminate the tools, methods and practices that help in the effective use of technology in the teaching and learning process, whereas the contribution to the state of the practice is verified.

Through the publication of high quality research, RBIE intends to increase the understanding of how to improve education and learning through the effective use of innovative and advanced technologies, according to the Brazilian and the world reality.

RBIE offers free and immediate access to its content, following the principle that providing free scientific knowledge to the scientific community and educators provides greater democratization of knowledge.

Audience

Scientific researchers in the field of Computers in Education and educators interested on advances and innovations on technology for Education.

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Information for Authors

The RBIE publishes original scientific works in three languages: Portuguese, Spanish and English. The authors should submit their paper using RBIE's [online submission system](#). All papers submitted to the

Journal are peer reviewed by at least two reviewers (double blind) plus one member of the RBIE Editorial Board. The average evaluation time is 6 months for each round (peer review more associated editor response). The paper is automatically rejected in the case it receives major review from two or more reviewers or when it needs more than two rounds of revisions. The editorial staff is formed by PhD with recognized expertise and experience in the field of Computers in Education.

It is strongly recommended that the work is supported by psycho-pedagogy theories, deals with innovative technology artifacts and correctly follows a scientific methodology. It is also expected the software/systems are evaluated in different educational scenarios. We also welcome systematic reviews that include clear research questions, a critical analysis, and directions for new challenges in the area.

BEFORE YOU BEGIN

Ethics in publishing

Ethics topics to consider when publishing:

- Authorship of the paper: Authorship should be limited to those who have made a significant contribution to the conception, design, execution, interpretation and/or documentation of the reported work. It is mandatory that all the authors agree with the submission of the manuscript to the journal.
- Originality and plagiarism: The authors should ensure that they have written entirely original works. If the authors have used the work and/or words of others, then this has to be appropriately cited or quoted.
- Multiple, redundant or concurrent publication: The article should not be under evaluation or edition for publishing elsewhere. An author should not publish manuscripts describing essentially the same research in more than one journal or primary publication. We do not consider the following uses of a work as prior publication: publication in the form of an abstract; and publication as an academic thesis. As extended versions of previously published work may be considered for publication (such as the awarded articles), the authors must emphasize the new contributions and reference the previous publication. In this case, it is required additional contribution with a minimum of 30% more content (the recommendation is 50%). Information on prior publication must be included within the “Comments to the Editor”, when submitting the manuscript.
- Accurate report: Authors should present an accurate account of the work performed as well as a clear and precise discussion of its significance.
- Ethics committee approval: Studies on volunteers require ethics committee approval and informed consent, which should be documented in the article.
- Data and program access: It is strongly recommended the authors provide public access to raw data. In addition, the software codes or apps should be made available whenever possible to allow replicating the experiments, if it is the case. Recorded video and audios, interview data, notes on experiences, etc. are also considered as raw data and should made available whenever it is possible. The sources must be acknowledged properly.

Submission declaration and verification

Submission of an article implies that the work described has not been published previously (see “Multiple, redundant or concurrent publication” item of **Ethics in publishing** section), that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in Portuguese, Spanish, English or in any other language.

Changes to authorship

Authors are expected to consider carefully the list and order of authors before submitting their manuscript. The definitive list of authors must be filled in the submission form at the time of the original submission and included only in the final version of the manuscript in case of acceptance. No addition, deletion or rearrangement of author names in the authorship list should be made after the manuscript has been submitted.

Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors during the review or edition process, or after the manuscript has been accepted.

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Authors are authorized to take on additional contracts separately, for non-exclusive distribution of the work published in this journal (ex.: publish in an institutional repository or as a book chapter), referencing the authors and the publication in this journal.

Authors have permission and are encouraged to publish and distribute their works online (in institutional repositories or in their own web page) in any moment after the editorial process, since it may generate productive changes, as well as increase the impact and citation of the published work. However, the information about the publication (journal title, volume/issue, pages, DOI) must be available.

Role of the funding source

During the submission, the authors are requested to identify who provided financial support for the conduct of the research and/or preparation of the article and to briefly describe the role of the sponsor(s), if any, in study design; in the collection, analysis and interpretation of data; in the writing of the report; and in the decision to submit the article for publication. Funding source must be filled in the submission form at the time of the original submission and included only in the final version of the manuscript in case of acceptance.

Language

Please write your text in good English, Portuguese or Spanish.

Selection criteria

Papers must:

- align with the aims of the journal
- be within the scope of the journal
- include an appropriate, current and comprehensive literature review
- have a sound research methodology
- evidence a high level of critical analysis
- explicitly indicate how they advance the field
- comply with the author guidelines
- not have been submitted/published elsewhere

The manuscript may be rejected at any time if the submission does not comply the criteria.

Guidance on methodology

RBIE welcomes research of the highest quality in Computers in Education.

RBIE aims at the dissemination of scientific articles in three basic categories in the field of Computers in Education:

- i. Production of innovative educational technology: academic research that proposes the production of innovative educational technologies that significantly advance the state of the art of research in the area of Computers in Education.

- ii. Report on the use of educational technology: research articles on the use of Information and Communication Technologies (ICT) in Education. These articles usually involve experience reports, that is, they are papers that describe the application of ICT in educational situations, but also following a research methodology to evaluate the contributions of the use of ICT.
- iii. Meta-analysis or systematic reviews: a systematic review is an in-depth bibliographical review that aims at answering a specific scientific research question. The meta-analysis is a systematic review that uses specific statistical methods to integrate the results from different scientific studies. Both systematic reviews and meta-analysis have specific methods for collecting, selecting and analyzing the research papers included in this type of study. Only the description of multiple works on a particular subject does not fit into this category because it does not follow a method and does not have a research question.

If your research does not fit into any of the categories above, we suggest contacting the editors by email before submitting the manuscript.

Regardless of the type of your contribution, which should be one of the above, your article should present the following seven key elements:

- Introduction - the introduction should present the context and motivation of the work, its objective, its contribution and its scientific originality.
- Basic concepts - authors should present one or more sections addressing the concepts that are necessary for understanding the work. These sections must be connected to the work, that is, it must be explained how these concepts are "used" in the work. Additionally, the concepts should be cited and related to aspects of the work developed during the article.
- Related work - the objective of the related works section is to highlight the scientific originality of the proposed work, describing the state of the art, i.e., showing what already exists in the subject. Thus, in addition to describing the research, the authors must also emphasize the contribution of their work regarding to the existing works on the literature. It should be noted that scientific originality is different from technological originality. An article that presents only another option of interface, or an application in a slightly different domain, has technological originality, but not scientific originality and, therefore, it is not suitable for RBIE.
- Methods - in this section it is not enough to inform only the approach employed, it is necessary to specify which method(s) was(were) specifically adopted for conducting the research (for example: experimental research, correlational study, case study, ethnography, etc.). In addition to the method, authors should also describe additional relevant information such as data collection and analysis techniques, participants, resources, environments, etc. It is desirable to report the statistics employed, in the case the research study follows a quantitative or mixed approach (experiments, quasi-experiments, correlational studies, etc.). For a research study following a qualitative approach it is also expected the authors to present detailed description of the methods and theories, the perspectives of the participants and their diversity, and the reflectivity of the researchers their research (their own attitudes and observations, impressions, irritability, feelings, etc.). Considering this subject, we suggest the following readings:
 - Filippo, D., Pimentel, M., & Wainer, J. (2012) Metodologia da Pesquisa Científica em Sistemas Colaborativos. In M. Pimentel & H. Fuks (Eds.), *Sistemas Colaborativos* (Pp. 379-404) Rio de Janeiro: Elsevier (In Portuguese). It is available for free at: <https://www.facebook.com/SistemasColaborativos>
 - López, X., Valenzuela, J., Nussbaum, M. & Tsai, C-C. (2015) Some recommendations for the reporting of quantitative studies. *Computers & Education*, 91(December), pp. 106-110. <http://dx.doi.org/10.1016/j.compedu.2015.09.010>
 - Twining, P., Heller, R. S., Nussbaum, M. & Tsai, C-C. (2017) Some guidance on conducting and reporting qualitative studies. *Computers & Education*, 106(March), pp. A1–A9. <http://dx.doi.org/10.1016/j.compedu.2016.12.002>
- Results and Discussion - an analysis of the results and the indication of the findings according to the expected contributions should be presented. The article should state the results objectively, also describing the limitations of the research. In the case of reports, a comparison should also be made with results achieved by other related works.
- Conclusions - in the conclusion section it should be remembered the work' goals, the expected results and the results that were actually achieved. Authors may also describe possibilities for further research through future work.

- Bibliographic References - the list of references should include works from both the national (e.g., [RBIE](#), [SBIE](#), [WIE](#), [WCBIE](#) etc.) and the international research community in the field of Computers in Education.

In addition to the above elements, we describe some format aspects that must also be considered:

- The text should be carefully revised in relation to its wording. The text should be clear, objective and should not contain errors of language (English/Portuguese/Spanish).
- Review the citation formats according to the [RBIE style \(.dotx\)](#)
- Bibliographical references should follow the [RBIE style \(.dotx\)](#). Look to provide as much information as possible that allows to find the reference.
- Figures must be of good quality and legible. Figures should be cited and explained in the text. Do not forget to quote the source of the picture if it was not created by you.

Submission checklist

You can use this list to carry out a final check of your submission before you submit it to the journal for review.

1. Ensure that the following items are present:
 - a) All the authors with contact details:
 - Names, e-mail address (notice the system sends emails that some servers block or are filtered to the spam list, then it is important to verify if you get all the messages), affiliation and country
 - b) The manuscript has been uploaded, containing the whole article, keywords, figures with the captions, tables with the titles and description, references, etc.
2. Further considerations
 - Manuscript has been “spell checked” and “grammar checked”
 - All references mentioned in the Reference List are cited in the text, and vice versa
 - Permission has been obtained for use of copyrighted material from other sources (including the Internet)
 - Journal policies detailed in this guide have been reviewed.

About submission

Authors are requested to submit their manuscripts electronically by using the RBIE web site (<http://br-ie.org/pub/index.php/rbie/about/submissions#onlineSubmissions>).

If you already have a username/password for the RBIE site, then proceed with the [login](#). Otherwise, it is necessary to go to [registration](#).

After login, the author may start a [new submission](#), going to step one of the five-step submission process.

1. First step:

- a) Select the appropriate section for the submission:
 - Article: The papers’ section is aimed at publishing original research projects with consolidated results.
 - Awarded articles: Exclusive section for invited articles that were awarded in events organized by the Special Committee on Computers in Education of the Brazilian Computer Society.
 - Challenges: This section is dedicated to invited authors’ articles in order to disclose reflections and innovative results about the current problems in the field of Computers in Education.
 - Invited Articles: This section is dedicated to invited authors' articles according to some initiative of the Special Committee on Computers in Education of the Brazilian Computer Society.

- b) Select the primary language of the submission (English, Portuguese or Spanish).
- c) Read carefully the items in the submission checklist. When checking the items, the authors affirm the submission comply the item.
- d) Read carefully the copyright notice. If you agree to the terms, then check the agreement box.
- e) If you have any comments for the editor, please enter the text in the corresponding textbox.
- f) Save and continue to the 2nd step.

2. Second step:

- a) Read and follow carefully the instructions to upload the file.
- b) After the file is uploaded (the information about the upload is presented to the author), please click the “Save and continue” button to follow to the 3rd step.

3. Third step:

- Fill up the metadata information with the most complete data possible as some indexing entities require detailed information and also for helping us to organize the journal data. Notice that if the paper is written in other language than English, it is necessary to fill up the metadata in both languages (English as well).
- Start with information for each author. Please provide the information according to the order of the authors. Although it is possible to reorganize the order, sometimes the system does not work well on performing reordering.
 - Avoid shortening middle names (as it may make harder to identify other publications of the same author)
 - In the URL field, choose to fill in with the curriculum URL (for those who have a [Lattes curriculum](#), please fill in with the address to access the CV)
 - Please add the current affiliation of each author
 - Also, fill in the country where the author works
 - Click on the “Add Author” button for adding other author, if that’s the case.
- Add the Title and Abstract of the manuscript.
 - Attention to the “Form language” on the top of the form. If the manuscript is in English, then provide the title and abstract information in English. If the manuscript is written in Portuguese or Spanish, then it is necessary to fill the title and abstract also in English. In this case, just change the form language on the top of the form and fill in the corresponding information.
 - Notice the “Form language” is related to the information that is filled in the metadata. It does not change the language of the page.
- Add indexing information.
 - Again, attention to the “Form language”. If the manuscript is in Portuguese or Spanish, then in addition to this language it is necessary to fill in the information in English.
 - For “Academic discipline”, please consider the system suggestions, filling in the ones are related to the manuscript.
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 - Again, attention to the “Form language”. If the manuscript is in Portuguese or Spanish, in addition the authors are also required to fill in the metadata in English as in the title and abstract.
 - Provide a formatted list of references for works cited in the manuscript (APA format). Please separate individual references with a blank line. This field is the same regardless of the form language. Notice we follow the active link procedure, which is highly recommended to also include on the article. Then, when generating the PDF file, make sure the hyperlinks are active.
 - A. When the reference has a Link
 - Make a clickable link on the respective URL (if you are using MS-Word, use the tool Insert Hyperlink, informing the URL).
 - B. Allow readers to search for the reference on Google Scholar
 - Copy the title of the reference and put in between “%22”, including the “+” character between each word: <http://scholar.google.com/scholar?q=%22PASTE+TITLE+HERE%22&hl=en&lr=&btnG=Search>
 - If it is a common title, you may add the author, such as in: <http://scholar.google.com/scholar?q=PASTE+AUTHOR+HERE+%22PASTE+TITLE+HERE%22&hl=en&lr=&btnG=Search>
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 - It is highly advisable to confirm if the link is correct (and if Google Scholar presents a correct result).
 - Include the term “[GS SEARCH]” at the end of each reference and make “GS SEARCH” a hyperlink with the URL just created.
 - C. Allow readers to access references with DOI
 - Add “doi:” followed by the DOI number. Then, make the DOI number a hyperlink using the corresponding URL (the URL can be created adding “<http://doi.org/>” in front of the DOI number).
 - D. Allow readers to access references with DOI
 - Add “doi:” followed by the DOI number. Then, make the DOI number a hyperlink using the corresponding URL (the URL can be created adding “<http://doi.org/>” in front of the DOI number).
- g) Save and continue to the 4th step.

4. Fourth step:

- a) Additional files may be included in this step, such as related to research instruments, data sets, sources, figures and tables that cannot be integrated into the text itself or other materials that add to the contribution of the work (such as videos or audios).
 - It is possible to upload several supplementary files.
 - For each file, just click on the button "Choose File", select the file and upload it. Then, the authors are required to fill in the supplementary file metadata (attention to the Form Language and remember checking the option to present file to reviewers without metadata, as it will not compromise blind review).
- b) After finishing uploading the supplementary files, click on the button "Save and continue" to go to the 5th step.

5. Fifth step:

- a) Finally, the last step is the confirmation of the submission.
- b) Click on the Confirm and submit button to complete the submission.

- Attention to this step because once submitted, the manuscript goes to the editor to start the evaluation process. Therefore, when completing the submission, the authors will not be able to make any additional changes to the submission until the evaluation process is finished.