DESCRIPTION

Electronic Journal of Biotechnology is an international scientific electronic journal, which publishes papers from all areas related to Biotechnology. It covers from molecular biology and the chemistry of biological processes to aquatic and earth environmental aspects, computational applications, policy and ethical issues directly related to Biotechnology.

The journal provides an effective way to publish research and review articles and short communications, video material, animation sequences and 3D are also accepted to support and enhance articles. The articles will be examined by a scientific committee and anonymous evaluators and published every two months in HTML and PDF formats (January 15th, March 15th, May 15th, July 15th, September 15th, November 15th).

The following areas are covered in the Journal:
- Animal Biotechnology
- Biofilms
- Bioinformatics
- Biomedicine
- Biopolices of International Cooperation
- Biosafety
- Biotechnology Industry
- Biotechnology of Human Disorders
- Chemical Engineering
- Environmental Biotechnology
- Food Biotechnology
- Marine Biotechnology
- Microbial Biotechnology
- Molecular Biology and Genetics
- Nanobiotechnology
- Omics
- Plant Biotechnology
- Process Biotechnology
- Process Chemistry and Technology
- Tissue Engineering
IMPACT FACTOR

2017: 1.881 © Clarivate Analytics Journal Citation Reports 2018

ABSTRACTING AND INDEXING

Scopus
SciSearch/Science Citation Index Expanded
BIOSIS Previews
Directory of Open Access Journals (DOAJ)

EDITORIAL BOARD

Editors-in-Chief
Graciela Munoz, Pontificia Universidad Católica de Valparaíso, Chile
Andres Illanes, Pontificia Universidad Católica de Valparaíso, Chile

Associate Editors
Alejandra Munoz, Pontificia Universidad Católica de Valparaíso, Chile

Art Director, IT Manager & Billing Platform Manager
Italo Costa, Pontificia Universidad Católica de Valparaíso, Chile

Honorary member
James D. Watson, Cold Spring Harbor Laboratory, United States

Editorial Board
Fernando Acevedo, Pontificia Universidad Católica de Valparaíso, Chile
Raed Al Atiyat, Mutah University, Jordan
Arie Altman, The Hebrew University of Jerusalem, Israel
Germán Aroca, Pontificia Universidad Católica de Valparaíso, Chile
Juan Asenjo, Universidad de Chile, Chile
Richard Balint, University of Manchester, UK
Leonardo Bardehle-Parra, Universidad de la Frontera, Chile
Penelope Bebeli, Agricultural University of Athens, Greece
George Bennett, Rice University, USA
Juan Manuel Bolívar, Gral University of Technology, Austria
Christopher J Brigham, University of Massachusetts Dartmouth, USA
Francesco Carimi, Institute of Biosciences and Bioresources, Italy
Guillermo R. Castro, Universidad Nacional de La Plata, Argentina
Ronaldo Chamy, Pontificia Universidad Católica de Valparaíso, Chile
Shu Chen, Case Western Reserve University School of Medicine, USA
Ernesto Chico, Centro de Immunología Molecular, Cuba
Peter Czermak, Technische Hochschule Mittelhessen (THM), Germany
Henryk Czosnek, Hebrew University of Jerusalem, Israel
Esmaeil Ebrahimie, University of Adelaide, Australia
Junjiang Fu, Luzhou Medical College, China
Andrea Gomez-Zavaglia, Center for Research and Development in Food Cryotechnology, Argentina
Ursula Guzik, University of Silesia, Poland
Axel Hollman, Universidad Nacional de Quilmes, Argentina
Kianoush Khosravi-Darani, Shahid Beheshti University, Iran
Shankar L. Kothari, Amity University, India
Fred Russell Kramer, Rutgers University, USA
Brajesh Kumar, Universidad de las Fuerzas Armadas, Ecuador
Nikolas Labrou, Agricultural University of Athens, Greece
Emiliano Lasagna, Università degli Studi di Perugia, Italy
Si-Yu Li, National Chung Hsing University, Taiwan
Bin Ma, Beijing University of Technology, China
Sergio Marshall, Pontificia Universidad Católica de Valparaíso, Chile
Leonidas Matsakas, Luleå University of Technology, Sweden
Tony Mikos, Rice University, USA
Rodomiro Ortiz, Sveriges lantbruksuniversitet (SLU), Argentina
Gabriel Padrón, Centro de Ingeniería Genética y Biotecnología, Cuba
Deepak Pant, Flemish Institute for Technological Research, Belgium
Eleftherios T. Papoutsakis, University of Delaware, USA
Carlos Peña, Universidad Nacional Autónoma de México, Mexico
David Perlin, University of Medicine and Dentistry New Jersey, USA
Ka-Yiu San, Rice University, USA
Sathianeson Satheesh, King Abdulaziz University, Saudi Arabia
Surender Singh, Indian Agricultural Research Institute, India
Srinivas Sistla, Virginia Commonwealth University, USA
Daria Szymanowska-Powalowska, Poznan University of Life Sciences, Poland
Ta Yeong Wu, Monash University Malaysia, Malaysia
Danilo Tagle, National Institute of Neurological Disorders and Stroke, USA
Chuan Tang Wang, Shandong Peanut Research Institute, China
Homero Urrutia, Universidad de Concepción-Chile, Chile
Danuta Wojcieszynska, University of Silesia, Poland
Dawei Xue, Hangzhou Normal University, China
Onur Yilmaz, Adnan Mendes University, Turkey
Jinfwen Zhou, Jiangnan University, China
Lingang Zhou, China Agricultural University, China
GUIDE FOR AUTHORS

INTRODUCTION

Electronic Journal of Biotechnology is an international scientific electronic journal, which publishes papers from all areas related to Biotechnology. It covers from molecular biology and the chemistry of biological processes to aquatic and earth environmental aspects, computational applications, policy and ethical issues directly related to Biotechnology.

The journal provides an effective way to publish research and review articles and short communications, video material, animation sequences and 3D are also accepted to support and enhance articles. The articles will be examined by a scientific committee and anonymous evaluators and published every two months in HTML and PDF formats (January 15th, March 15th, May 15th, July 15th, September 15th, November 15th).

The following areas are covered in the Journal:
- Animal Biotechnology
- Biofilms
- Bioinformatics
- Biomedicine
- Biopolies of International Cooperation
- Biosafety
- Biotechnology Industry
- Biotechnology of Human Disorders
- Chemical Engineering
- Environmental Biotechnology
- Food Biotechnology
- Marine Biotechnology
- Microbial Biotechnology
- Molecular Biology and Genetics
- Nanobiotechnology
- Omics
- Plant Biotechnology
- Process Biotechnology
- Process Chemistry and Technology
- Tissue Engineering

Article types

Contributions falling into the following categories will be considered for publication: Original research papers, reviews and short communications. Please ensure that you select the appropriate article type from the list of options when making your submission. Authors contributing to special issues should ensure that they select the special issue article type from this list.

In the following paragraphs you will find a brief description of each contribution.

Research

These articles present original research and address a clearly stated specific hypothesis or question. Papers should provide novel approaches and new insights into the problem addressed. Manuscripts should be 3000 to 5000 words in length and they should have at least 35 references. These articles should include:

Introduction: It should be brief and limited to the definition of the problem, the aims and purposes of the research and its relation with other studies in the field. Also the working hypothesis must be clearly stated.

Materials and methods: It should include relevant details on the experimental design and techniques so that the experiments can be repeated.

Results: Results should be clearly presented. Tables and figures should only be included if required to fully understand the data.
Discussion: The aim of this section is the interpretation of the results and their relation to the existing knowledge. The contribution to Biotechnology must be clearly stated. The information given in any part of the text may be cited but not repeated in the Discussion Section. Alternatively Results and Discussion can be presented in one section.

Acknowledgments: The acknowledgments of the contributions of colleagues can be stated in this section.

Financial support: The acknowledgments for financial support should be cited here.

For stylistics details, please refer to PREPARATION below.

Review
Review articles must be authored by experts in the field area. They are an attempt by one or more authors to sum up the current state of the knowledge on a particular topic. Ideally, the author searches for everything relevant to the topic, and then sorts it all out into a coherent view of the "state of the art" as it now stands and promotes a personal view on the subject. Review articles should have at least 80 references and they should have between 4000 and 6000 words in length. Review articles should inform about: the main researchers working in the field; recent major advances and discoveries; significant gaps in the research; current debates; future directions. They include an abstract, an introduction that outlines the main theme, brief subheadings, and an outline of important unresolved questions.

For stylistics details, please refer to PREPARATION below.

Short communications
A short communication is a concise, but independent report representing a significant contribution to biotechnology. Short communication is not intended to publish preliminary results. Only if these results are of exceptional interest and are particularly topical and relevant will be considered for publication. It should be 3000 words in length, and could include two figures or tables. It should have at least 15 references. The text should be divided into the following sections: introduction, experimental (or theoretical), results, and discussion. Results and discussion sections may be combined.

For stylistics details, please refer to PREPARATION below.

Archives
Please find our archives at:
http://www.ejbiotechnology.info/index.php/ejbiotechnology/issue/archive

BEFORE YOU BEGIN

Ethics in publishing
Please see our information pages on Ethics in publishing and Ethical guidelines for journal publication.

Studies in humans and animals
If the work involves the use of human subjects, the author should ensure that the work described has been carried out in accordance with The Code of Ethics of the World Medical Association (Declaration of Helsinki) for experiments involving humans. The manuscript should be in line with the Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals and aim for the inclusion of representative human populations (sex, age and ethnicity) as per those recommendations. The terms sex and gender should be used correctly.

Authors should include a statement in the manuscript that informed consent was obtained for experimentation with human subjects. The privacy rights of human subjects must always be observed.

All animal experiments should comply with the ARRIVE guidelines and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, EU Directive 2010/63/EU for animal experiments, or the National Institutes of Health guide for the care and use of Laboratory animals (NIH Publications No. 8023, revised 1978) and the authors should clearly indicate in the manuscript that such guidelines have been followed. The sex of animals must be indicated, and where appropriate, the influence (or association) of sex on the results of the study.
**Declaration of interest**
All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential competing interests include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. Authors must disclose any interests in two places: 1. A summary declaration of interest statement in the title page file (if double-blind) or the manuscript file (if single-blind). If there are no interests to declare then please state this: 'Declarations of interest: none'. This summary statement will be ultimately published if the article is accepted. 2. Detailed disclosures as part of a separate Declaration of Interest form, which forms part of the journal’s official records. It is important for potential interests to be declared in both places and that the information matches. [More information.]

**Submission declaration and verification**
All submissions should be accompanied by a cover letter that includes a brief overview of the manuscript and the corresponding author contact information including full name, e-mail address, phone number, and postal address. It should also specify the number of display items (figures and tables), the number of attachments (manuscript, figures supplementary information if any), and their formats.

It must include a statement indicating that the article has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis or as an electronic preprint, see [http://www.elsevier.com/sharingpolicy](http://www.elsevier.com/sharingpolicy)); that it is not under consideration for publication elsewhere; 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 English or in any other language, including electronically without the written consent of the copyright-holder. To verify originality, all articles are checked by the originality detection service Similarity Check.[http://www.elsevier.com/editors/plagdetect](http://www.elsevier.com/editors/plagdetect).

You can find a template cover letter at: [http://www.ejbiotechnology.info/CLEJBT.pdf](http://www.ejbiotechnology.info/CLEJBT.pdf)

**Use of inclusive language**
Inclusive language acknowledges diversity, conveys respect to all people, is sensitive to differences, and promotes equal opportunities. Articles should make no assumptions about the beliefs or commitments of any reader, should contain nothing which might imply that one individual is superior to another on the grounds of race, sex, culture or any other characteristic, and should use inclusive language throughout. Authors should ensure that writing is free from bias, for instance by using 'he or she', 'his/her' instead of 'he' or 'his', and by making use of job titles that are free of stereotyping (e.g. 'chairperson' instead of 'chairman' and 'flight attendant' instead of 'stewardess').

**Changes to authorship**
Authorship should be limited to those who have made a significant contribution to the conception, design, execution, or interpretation of the reported study. Modifications to authorship are not allowed, this policy concerns the addition, deletion, or rearrangement of author names in the authorship of submitted manuscripts.

**Copyright**
Upon acceptance of an article by the journal, authors will be asked to transfer the copyright to Electronic Journal of Biotechnology, which is committed to maintain the electronic access to the journal and to administer a policy of fair control and ensure the widest possible dissemination of the information.

The author can use the article for academic purposes, stating clearly the following: "Published in Electronic Journal of Biotechnology at DOI: XXX".

The License Agreement must be submitted as a signed scanned copy to biotec@pucv.cl. All authors must send a copy of this document.

Elsevier supports responsible sharing
Find out how you can [share your research](http://www.elsevier.com/editors/plagdetect) published in Elsevier journals.
Role of the funding source
You 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. If the funding source(s) had no such involvement then this should be stated.

Publication charges
Papers accepted for publication are subjected to a publication charge of US$1,100 for the first 15 typewritten pages, including figures and tables (file type: ms word; page size: letter; margins: 2,5; font type: Arial; font size: 12; interline: single space). Extra pages are U$100 each, beginning with the 16th page.
Waives are not considered.

FULL PAYMENT IS MANDATORY PRIOR TO THE PUBLICATION OF THE MANUSCRIPT.
We will continue as an open access journal and the submission of manuscripts is free.

In order to proceed to payment please click here.

Open access
Every peer-reviewed research article appearing in this journal will be published open access. This means that the article is universally and freely accessible via the internet in perpetuity, in an easily readable format immediately after publication. The journal is under a creative commons attribution License CC BY-NC-ND 4.0 (https://creativecommons.org/licenses/by-nc-nd/4.0/)

Elsevier Researcher Academy
Researcher Academy is a free e-learning platform designed to support early and mid-career researchers throughout their research journey. The "Learn" environment at Researcher Academy offers several interactive modules, webinars, downloadable guides and resources to guide you through the process of writing for research and going through peer review. Feel free to use these free resources to improve your submission and navigate the publication process with ease.

Language (usage and editing services)
Please write your text in good English (American or British usage is accepted, but not a mixture of these). Authors who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English may wish to use the English Language Editing service available from Elsevier's WebShop.

Authors may be requested to check their manuscript with a Professional English Language Service prior to evaluation.

Submission
Our online submission system guides you stepwise through the process of entering your article details and uploading your files. The system converts your article files to a single PDF file used in the peer-review process. Editable files (e.g., Word, LaTeX) are required to typeset your article for final publication. All correspondence, including notification of the Editor's decision and requests for revision, is sent by e-mail.

Submit your article
Please submit your article via http://ees.elsevier.com/ejbt.

Referees
Please suggest at least four internationally recognized researchers as referees with their full name, affiliation and email address. We recommend that at least one of them should be a member of the editorial board of the Electronic Journal of Biotechnology (for a list of board members see http://www.elsevier.com/locate/ejbt).

GenBank/DNA sequence linking
DNA sequences and GenBank Accession numbers: Many Elsevier journals cite "gene accession numbers" in their running text and footnotes. Gene accession numbers refer to genes or DNA sequences about which further information can be found in the database at the National Center for Biotechnical Information (NCBI) at the National Library of Medicine. Elsevier authors wishing to enable other scientists to use the accession numbers cited in their papers via links to these sources, should type this information in the following manner:
For each and every accession number cited in an article, authors should type the accession number in bold text. Letters in the accession number should always be capitalized. (See Example 1 below). This combination of letters and format will enable Elsevier's typesetters to recognize the relevant texts as accession numbers and add the required link to GenBank’s sequences.

Example 1: "GenBank accession nos. **AI631510**, **AI631511**, **AI632198**, and **BF223228**, a B-cell tumor from a chronic lymphatic leukemia (GenBank accession no. **BE675048**), and a T-cell lymphoma (GenBank accession no. **AA361117**)".

Authors are encouraged to check accession numbers used very carefully. An error in a letter or number can result in a dead link. In the final version of the printed article, the accession number text will not appear bold or underlined (see Example 2 below).

Example 2: "GenBank accession nos. AI631510, AI631511, AI632198, and BF223228, a B-cell tumor from a chronic lymphatic leukemia (GenBank accession no. BE675048), and a T-cell lymphoma (GenBank accession no. AA361117)".

In the final version of the electronic copy, the accession number text will be linked to the appropriate source in the NCBI databases enabling readers to go directly to that source from the article.

**PREPARATION**

**Peer review**

This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. More information on types of peer review.

**Use of word processing software**

It is important that the file be saved in the native format of the word processor used. The text should be in single-column format. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the word processor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier). Note that source files of figures, tables and text graphics will be required whether or not you embed your figures in the text. See also the section on Electronic artwork below.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

**LaTeX**

You are recommended to use the Elsevier article class elsarticle.cls to prepare your manuscript and BibTeX to generate your bibliography.

Our LaTeX site has detailed submission instructions, templates and other information.

**Subdivision - numbered sections**

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

For details on structure revise the section Article types above.

**Essential title page information**

- **Title.** Informative using at least 8 nouns. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- **Author names and affiliations.** Where the family name may be ambiguous (e.g., a double name), please indicate this clearly. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and the e-mail address of each author.
• **Corresponding author.** Clearly indicate who will handle correspondence at all stages of refereeing and publication, and also post-publication. If possible, indicate an alternative e-mail for contact. Ensure that telephone and fax numbers (with country and area code) are provided in addition to the e-mail address and the complete postal address. Contact details must be kept up to date by the corresponding author. The **Corresponding author is responsible that every coauthor has contributed to the ms and has accepted to publish the manuscript.**

• **Present/permanent address.** If an author has moved since the work described in the article was done, or was visiting at the time, a "Present address" (or "Permanent address") may be indicated as a footnote to that author’s name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

**Abstract**
The abstract of the manuscript should not exceed 250 words and must be structured into separate sections:

- **Background,** the context and purpose of the study;
- **Results,** the main findings;
- **Conclusions,** brief summary and potential implications.

Please minimize the use of abbreviations and do not cite references in the abstract.

In the case of review articles, the abstract should be submitted as one section.

**Keywords**
Authors must provide between six and eleven keywords. Also Keywords will be added in order to improve manuscript visibility.

**Abbreviations**
Define abbreviations that are not standard the first time they are mentioned. Abbreviations that are unavoidable in the abstract must be defined at their first mention there. Ensure consistency of abbreviations throughout the article.

**Acknowledgements and financial support**
Indicate Acknowledgments and Financial support in separate sections at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List in acknowledgments those individuals who provided help during the research (e.g., providing language or writing assistance, or proof reading the article, etc.).

**Formatting of funding sources**
List funding sources in this standard way to facilitate compliance to funder's requirements:

Funding: This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; the Bill & Melinda Gates Foundation, Seattle, WA [grant number zzzz]; and the United States Institutes of Peace [grant number aaaa].

It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.

If no funding has been provided for the research, please include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

**Nomenclature and units**
Follow internationally accepted rules and conventions: use the international system of units (SI) ([http://physics.nist.gov/Pubs/SP330/sp330.pdf](http://physics.nist.gov/Pubs/SP330/sp330.pdf)). If other quantities are mentioned, give their equivalent in SI.
**Math formulae**
Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

**References**
For original articles (research, short communications), at least 75% of the references must be from the Web of Science Core Collection and at the same time from the last decade. Also the DOI and PMid number (if available) must be included at the end of each reference.

**Citation in text**
Please ensure that every reference cited in the text is also present in the reference list (and vice versa). References in abstract should be avoided. Unpublished results; personal communications and thesis are not allowed. Citation of a reference as "in press" implies that the item has been accepted for publication.

**Web References**
As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, PMid, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

**Reference management software**
Most Elsevier journals have their reference template available in many of the most popular reference management software products. These include all products that support Citation Style Language styles, such as Mendeley and Zotero, as well as EndNote. Using the word processor plug-ins from these products, authors only need to select the appropriate journal template when preparing their article, after which citations and bibliographies will be automatically formatted in the journal's style. If no template is yet available for this journal, please follow the format of the sample references and citations as shown in this Guide. If you use reference management software, please ensure that you remove all field codes before submitting the electronic manuscript. More information on how to remove field codes.

Users of Mendeley Desktop can easily install the reference style for this journal by clicking the following link:
When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.

**Reference style**

**Text:** Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.

Example: ‘... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result ...’

**Reference section:** Number the references (numbers in square brackets) in the list in the order in which they appear in the text.

Examples:

**Reference to a journal publication:**

For more than 3 authors the first 3 should be listed followed by 'et al.'

Abbreviated titles of journals must be provided.

Provide the article's Digital Object Identifier (DOI) and the PubMed reference number (PMid) at the end of each reference, when available.
Reference to a book:

Reference to a chapter in an edited book:

Artwork

Electronic artwork

General points
- Make sure you use uniform lettering and sizing of your original artwork.
- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.
- Provide captions to illustrations separately.
- Size the illustrations close to the desired dimensions of the published version.

Formats
If your electronic artwork is created in a Microsoft Office application (Word, PowerPoint, Excel) then please supply 'as is' in the native document format.
Regardless of the application used other than Microsoft Office, when your electronic artwork is finalized, please 'Save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):
EPS (or PDF): Vector drawings, embed all used fonts.
TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.
TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.
TIFF (or JPEG): Combinations bitmapped line/halftone (color or grayscale), keep to a minimum of 500 dpi.

Please do not:
- Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); these typically have a low number of pixels and limited set of colors;
- Supply files that are too low in resolution;
- Submit graphics that are disproportionately large for the content.

Color artwork
Please make sure that artwork files are in an acceptable format (TIFF, EPS or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color, then Elsevier will ensure, at no additional charge, that these figures will appear in color on the Web (e.g., Science Direct and other sites) regardless of whether or not these illustrations are reproduced in color in the printed version.

Figure captions
Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. A caption should comprise a brief title (not on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

The figures (photographs, drawings) must be numbered with Arabic numerals. Footnotes can be included below the figure.

Figures that include more than one image should be labeled as a, b, c, etc. (lower case, use black or white bold according to the figure).

Example:
ejb-t-gfa-example1.jpg

Graphs
Graphs should be cited as figures and must be numbered with Arabic numerals. Footnotes can be included below the figure.

Graphs that include more than one image should be labeled as a, b, c, etc. (Arial lower case). They must be in 2D and have a title. In case they have legend, it must be placed below the image. They should be built with Arial font and in the color palette called "Trek" (warm earth colours). See page
layout in MS Office 2007. For the Spanish version the colour palette is called "Viajes". Graphs must be send in editable formats (MS excel if possible. We also accept Sigma plot and Origin) in order to make formal changes (color, fonts, size, etc.).

Example:
ejbt-gfa-example2.jpg

Line Chart:

Example:
ejbt-gfa-example3.jpg

Data in Brief
You have the option of converting any or all parts of your supplementary or additional raw data into one or multiple data articles, a new kind of article that houses and describes your data. Data articles ensure that your data is actively reviewed, curated, formatted, indexed, given a DOI and publicly available to all upon publication. You are encouraged to submit your article for Data in Brief as an additional item directly alongside the revised version of your manuscript. If your research article is accepted, your data article will automatically be transferred over to Data in Brief where it will be editorially reviewed and published in the open access data journal, Data in Brief. Please note an open access fee of 500 USD is payable for publication in Data in Brief. Full details can be found on the Data in Brief website. Please use this template to write your Data in Brief.

Submission checklist
The following list will be useful during the final checking of an article prior to sending it to the journal for review. Please consult this Guide for Authors for further details of any item.

Ensure that the following items are present:
One author has been designated as the corresponding author with contact details:
• E-mail address
• Full postal address
All necessary files have been uploaded:
• Cover letter
• Keywords
• All figure captions
• All tables (including title, description, footnotes)
Further considerations
• Manuscript has been 'spell-checked' and 'grammar-checked'
• References are in the correct format for this journal
• 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)

For any further information please visit our customer support site at http://support.elsevier.com.

AFTER ACCEPTANCE
Online Proof Correction
Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors.

If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF.
We will do everything possible to get your article published quickly and accurately - please upload all of your corrections within 48 hours. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. PROOFREADING IS SOLELY YOUR RESPONSIBILITY. Note that Elsevier may proceed with the publication of your article if no response is received.

**AUTHOR INQUIRIES**
Visit the Elsevier Support Center to find the answers you need. Here you will find everything from Frequently Asked Questions to ways to get in touch. You can also check the status of your submitted article or find out when your accepted article will be published.

© Copyright 2018 Elsevier | https://www.elsevier.com