Manuscript template: Full title must be in sentence case not exceeding 15 words

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**Abstract:** This document is a template for use by authors sending manuscripts to the ***International Journal of*** [***Lignocellulosic***](http://www.google.com/search?hl=en&rlz=1R2TSHB_en&sa=X&ei=sl_PTdv2LY33sga__MnJCw&ved=0CCEQvwUoAQ&q=Lignocellulosic&spell=1) ***Products (IJLP).*** The title of the manuscript must not be longer than 15 words and must be written in lower case except for the first word and proper nouns. Author names must be given in full. Author addresses must be given in English in the following order: Department, Faculty, University/Institute, City, Country, with numbers in superscript after each author name to indicate his/her address. The corresponding author’s email address must be clearly given, marked with an asterisk. A concise and factual abstract is required. Each paper should be provided with an abstract of about 150-200 words. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, references should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. The abstract must not contain mathematical formulae. Immediately after the abstract, provide a maximum of 6 *keywords*, avoiding general and plural terms and multiple concepts. The *keywords* must be separated by commas and arranged alphabetically.

***Keywords:*** Instructions for authors, Manuscript template, Paper, Wood.

1. Introduction

State the objectives of the work and provide an adequate and focused background, avoiding a detailed or irrelevant literature survey or a summary of the results. The text should be justified at the right margin, in addition to the left margin. Your introduction should make reference to key publications, emphasizing work that is most relevant to your research results (Jayaraman and Bhattacharya, 2004; Kamdem et al., 2004). References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters 'a', 'b', 'c', etc., placed after the year of publication (Rowell, 2008a; Rowell, 2008b). The format of the citations, as shown in the present example (References), should match the system used in ***International Biodeterioration and Biodegradation*** (in versions of EndNote® software).

* 1. Manuscript content

Use subheadings sparingly to set off different subject matter. The manuscript should be written in *Microsoft Office Word 2007 or later*. The text in the relevant sections of the template can be replaced by typing or copying and pasting, or the ***Styles*** given in the template can be used. ***Styles*** can be applied to selected sections of the text.

Research articles should be divided into the sections listed below. Principal sections should be numbered consecutively (1. Introduction, 2. Materials and methods, etc.) and subsections should be numbered 1.1., 1.2., etc. **Do not use more than** **three subdivisions for *IJLP*.** Do not number the Acknowledgements or References sections. It is recommended that the total number of double-spaced pages of the Abstract, Introduction, Materials and methods, Results and discussion, Conclusions, Acknowledgement, References including Figures and Tables have a length of **10 pages** (or approximately 2000-2500 words for short communication), **20 pages** (or approximately 3000-3500 words for full paper), and **40 pages** (or approximately 5000-6000 words for review paper). The editors reserve the right to accept even longer articles in cases of exceptional quality, novelty, and importance of the work.

Manuscripts must be written in English. Please write your text in **good English** (American or British usage is accepted, but not a mixture of these). Please note poor language may cause the rejection of the manuscript. Contributors who are not native English speakers are strongly advised to ensure that a colleague fluent in the English language or a professional language editor has reviewed their manuscript. Repetitive use of long sentences and passive voice should be avoided. It is strongly recommended that the text be run through computer spelling and grammar programs.

All manuscripts are checked for their compliance with the **Instructions for Authors and this template**. Manuscripts not complying with the instructions will not be submitted to referees for evaluation.

Manuscripts must be double-spaced with 3-cm margins on all sides of the page, in Times New Roman font size 12. **Every page of the manuscript, including the title page, references, tables, etc., should be numbered.** **The manuscript must also have line numbers starting from the first page continuously.**

* 1. Symbols and units

The SI system should be used for all scientific and laboratory data; if, in certain instances, it is necessary to quote other units, these should be added in parentheses. Temperatures should be given in degrees Celsius. Abbreviations for units should follow the suggestions of the British Standards publication BS 1991. The full stop should not be included in scientific abbreviations such as h (not h.), m (not m.), and ppm (not p.p.m.); '%' should be used in preference to 'per cent'; 'per', as in mg per liter, should be written in exponential notation as mg l-1 (not mg/l). Where abbreviations are likely to cause ambiguity or cannot be readily understood by an international readership, units should be given in full. Greek symbols and unusual symbols used for the first time should be defined by name in the

left-hand margin.

If symbols such as ×, µ, η, or ν are used, they should be added using the Symbol menu of Word. Degree symbols (°) must be used from the Symbol menu, not superscripted letter o or number 0. Multiplication symbols must be used (×), not the letter x. Spaces must be inserted between numbers and units (e.g., 3 kg) and between numbers and mathematical symbols (+, –, ×, =, <, >), but not between numbers and percent symbols (e.g., 45%). All abbreviations and acronyms should be defined at first mention. Latin terms such as et al., in vitro, or in situ should not be italicized. Use hectare instead of acre or decare.

* 1. Abbreviations

Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article. Abbreviations of chemical or other names should be defined when first mentioned, unless the abbreviation is commonly used and internationally known and accepted, e.g. ATP, DNA, EDTA, GCMS, GLC, HPLC, IU (International Unit). For approximately, use approx. or c. (not ca.); for versus, use vs (not v.); for the statistical terms standard deviation, standard error and standard error of the

mean, use SD, SE, and SEM without definition.

* 1. Reference citations

References should be cited in the text by the last name(s) of the author(s) and year of publication. All references cited in the manuscript must appear in the list of references at the end and all references listed in the reference list must be cited in the manuscript. When multiple references are cited in the same sentence, the citations must appear in chronological order from oldest to newest.

* 1. Reference links

Increased discoverability of research and high quality peer review are ensured by online links to the sources cited. In order to allow us to create links to abstracting and indexing services, such as Scopus, CrossRef and PubMed, **please ensure that data provided in the references are correct**. Please note that incorrect surnames, journal/book titles, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. **Use of the DOI is encouraged**.

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* 1. 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).

1. Materials and methods

Please provide concise but complete information about the materials and the analytical and statistical procedures used. This part should be as clear as possible to enable other scientists to repeat the research presented. Methods already published should be indicated by a reference: only relevant modifications should be described. Because ***IJLP*** is intended for a broad range of readers, authors are encouraged to provide brief background explanations of experimental procedures and theories which, though well known to some, may not generally be well known to a random group of college-educated people having an interest in biomass utilization technology.

Brand names and company locations should be supplied for all mentioned equipment, instruments, chemicals, etc. Brand names of chemicals, equipment, instruments, companies and other materials are to be mentioned once in Materials and methods, where appropriate, to make it possible for future researchers to obtain the same starting materials or equipment. Brand names are not to be used elsewhere in the article, including the **Abstract or the Conclusions** sections.

1. **Results and discussion**

Results of the experimentation are to be presented clearly and concisely. Please use past tense when describing the work that was carried out. Present tense can be used when making a statement that the authors believe to have general validity, especially when supported by other publications. Please use your best judgment when using other verb tenses to clearly convey your intended meaning.

The same data or information given in a Table must not be repeated in a Figure and vice versa. It is not acceptable to repeat extensively the numbers from Tables in the text or to give lengthy explanations of Tables or Figures.

* 1. Figures and tables

All illustrations (photographs, drawings, graphs, etc.), not including tables, must be labelled “Figure”. **Figures must be submitted both in the manuscript and as separate files**. All tables and figures must have a caption and/or legend and be numbered (e.g., Table 1, Figure 2). Captions must be written in sentence case (e.g., Macroscopic appearance of the samples.). The font used in the figures should be Times New Roman. If symbols such as ×, μ, η, or ν are used, they should be added using the Symbol menu of Word.

All tables and figures must be numbered consecutively as they are referred to in the text. Please refer to tables and figures with capitalisation and unabbreviated (e.g., “As shown in Figure 2…”, and not “Fig. 2” or “figure 2”). **Where possible, figures or tables should be placed soon after the location where they are first mentioned in the text.**

The resolution of images should not be less than 118 pixels/cm when width is set to 16 cm. Images must be scanned at 1200 dpi resolution and submitted in JPEG or TIFF format.

Graphs and diagrams must be drawn with a line weight between 0.5 and 1 point. Graphs and diagrams with a line weight of less than 0.5 point or more than 1 point **are not accepted**. **Scanned or photocopied graphs and diagrams are not accepted**.

Charts must be prepared in **2 dimensions** unless required by the data used. Charts unnecessarily prepared in 3 dimensions **are not accepted**.

The vertical and horizontal labels should be prepared in **bold Time New Roman** font of a suitable size so that they appear in the page view with a **size equivalent** to a 10-point font or somewhat larger in the final view (noting that this present text is in 12-point Times New Roman font). Although colors are encouraged, graphics must be prepared in such a way that symbols and lines show up clearly in a black-and-white printout, and they should remain clearly differentiated from each other in such a format. Authors will have control of both the size and positioning of figures, although the example shown below can be used for general guidance.

Where possible, figures or tables should be placed soon after the location where they are first mentioned in the text.

Figures that are charts, diagrams, or drawings must be submitted in a modifiable format, i.e. our graphics personnel should be able to modify them. Therefore, if the program with which the figure is drawn has a “save as” option, it must be saved as \*.ai or \*.pdf. If the “save as” option does not include these extensions, the figure must be copied and pasted into a blank *Microsoft Office Word* document as an editable object. It must not be pasted as an image file (TIFF, JPEG, or EPS) unless it is a photograph. Tables and figures, including caption, title, column heads, and footnotes, must not exceed 16 × 20 cm and should be no smaller than 8 cm in width.

* 1. Tables

Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. **Please avoid using vertical rules and shading in table cells.**

For all tables, please use Word’s “Create Table” feature, with no tabbed text or tables created with spaces and drawn lines. Tables must be clearly typed and double-spaced.

**Table 1.** Example of Tabular Results (12-point Time New Roman here).

|  |  |  |  |
| --- | --- | --- | --- |
| Material  (kg) | Factor A \* | Factor B | Liquid  (ml) |
| 0.0 | 8.3 | 0.2 | 0.0 |
| 25.2 | 9.7 | 99.3 | 0.4 |
| 35.8 | 12-point TNRoman | -46.8 | 0.7 |
| 42.6 | 6.1 | 5.0 | 0.8 |

\* Explanation here is 10-point Time New Roman.

1. Discussion
2. Statements from the Introduction and Results sections should not be repeated here. The final paragraph should highlight the main conclusions of the study. The main conclusions of the study may be presented in a short Conclusions section, which may stand alone.
3. Your conclusions should be numbered.

Acknowledgements

Names of funding organizations should be written in full. Collate acknowledgements in a separate section 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 here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

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

Funding: This work was supported by University/Institute [grant numbers zzzz].

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.

References

In the case of publications in languages other than English, the published *English title* should be provided if one exists, with an annotation such as “(article in Persian with an abstract in English)”. If the publication was not published with an English title, provide the *original title* only; do not provide a self-translation. Do not include personal communications, unpublished data, websites, or other unpublished materials as references. References should be formatted as follows (please note the punctuation and capitalisation).

**Journal articles**

Foulk, J.A., Chao, W.Y., Akin, D.E., Dodd, R.B., Layton, P.A. 2004. Enzymeretted flax fiber and recycled polyethylene composites. Journal of Polymer and Environmet 12, 165–171.

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Dillon, H.K., Heinsohn, Miller, J.D., (Eds.), 1996. Field guide for the determination of biological contaminants in environmental samples. American Industrial Hygiene Association, Fairfax, VA.

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Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith , R.Z. (Eds.), Introduction to the Electronic Age. E-Publishing Inc., New York, pp. 281–304.

Canale-Parola, E., 1992. Free-living saccharolytic spirochetes: The genus Spirochaeta. In: Balows, A., Truper, M., Dworkin, M., Harder, W., Schleifer, K.H., (Eds.), The Prokaryotes (2nd ed.), Vol. 4, Springer-Verlag, New York, pp. 3524-3536.

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Adan, O.C.G., 1994. On the fungal defacement of interior finishes, PhD thesis, Eindhoven University of Technology, Eindhoven, The Netherlands.

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Huang, S.J., Bell, J.P., Knox, J.R., Atwood, H., Bansleben, D., Bitritto, W. Broghard, W., Chapin, T., Leong, K.W., Natarjan, K., Nepumuceno, J., Roby, M., Soboslai, J., Shoemaker, N., 1976. Design, synthesis and degradation of polymers susceptible to hydrolysis by proteolytic enzymes. In: Sharpley, J.M., Kaplan, A.M., (Eds.), Proceedings of the Third International Biodegradation Symposium, Applied Science, London, pp. 731-741.

Daniel, G., Nilsson, T., 1986. Ultrastructural observations on wood-degrading erosion bacteria. IRG/WP/1283. The International Research Group on Wood Preservation, Stockholm.

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