

INSTRUCTIONS FOR AUTHORS FOR PREPARING SCIENTIFICS RESEARCH/INNOVATIONS/PATENTS FOR - THE SCIENTIFIC BULLETIN ADDENDUM

First AUTHOR - No abbreviations allowed
Author affiliation (University or Company, City, Country)
e-mail address

Second AUTHOR - No abbreviations allowed
Author affiliation (University or Company, City, Country)
e-mail address

Third AUTHOR - No abbreviations allowed
Author affiliation (University or Company, City, Country)
e-mail address

Scientific coordinator (if applicable): ...

Abstract: These instructions provide basic guidelines to help authors prepare their final camera-ready papers for submission to all “Nicolae Bălcescu” Land Forces Academy Journals. The template includes guidance on layout, illustrations, text style and references. It is highly advised to use this template and strictly follow the instructions to prepare your paper in Microsoft Word 2003 or later versions. We will do only minor corrections to the final formatting of your paper. The abstract should give a concise and informative description of the paper, in 100-200 words, written to interest the reader as well as for information retrieval.

Keywords: no, more, than, 5, keywords - arranged alphabetically and separated by commas. Try using standard keywords specific to the domain; do not invent other keywords.

1. INTRODUCTION

The guideline is designed to achieve uniformity in the papers appearing in all “Nicolae Bălcescu” Land Forces Academy Journals. It explains how to prepare an electronic printer-ready version. Please use the specific styles defined in this document to format your paper. The official language of the journals is English. If English is not your mother tongue, make sure that the English is checked by a competent editor. To avoid unnecessary errors, you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

This guideline is also available in Microsoft Word format on the Land Forces Academy

web site at Scientific Research section: <http://armyacademy.ro>. As your paper is written for publication in our journals, it must address the interests of readers with diverse specialties and backgrounds as well as with the author's peers. Your manuscript must provide the details of the work to readers. It should be divided into sections, each with a heading, so that a reader can follow the logical development of the work.

2. PRINTER-READY MANUSCRIPT

Your goal is to simulate, as closely as possible, the usual appearance of typeset papers in a technical journal.

The length of your paper should not exceed 4 - 6 pages. Prepare your printer-ready paper in A4-size (21 cm × 29.7 cm). Please do not change the paper size and the pre-defined styles.

The easiest way to format your paper is to use the template file “LFA JournalsPaperTemplate.doc” downloadable from the Land Forces Academy web site.

2.1. Type sizes and fonts

Please use the *Times New Roman* font only and the attributes as mentioned below. The font sizes and font styles are associated with the pre-defined 12 LFA Styles. Use the pre-defined LFA Styles properly and do not modify or update the Styles. For example, the style “LFA Section” guarantees the font size, font type, and the line spaces before and after a section heading.

Table 1. Style and font size for printer-ready papers

<i>Name of Style</i>	<i>Font Size and Type</i>	<i>Use for</i>
LFA Title	12, Bold	Title of your paper
LFA Author Names	12, Bold	Author names
LFA Author Affiliations	12, Bold	Author affiliations
LFA Abstract Heading	11, Bold, Italic	Abstract heading
LFA Abstract	11, Italic	Abstract text
LFA Section	12, Bold	Section headings
LFA Subsection	12, Bold	Subsection headings
LFA Caption	11, Italic	Table captions, figure captions
LFA Text Body	12	Main text
LFA Equation	12	Equations
LFA Reference Text	12	References & Bibliography

All tables and figures must be centered (not included in the columns).

Equations must be incorporated in the text, following the logical order of the text.

2.2. Format

Your manuscript must fit within the required margins. In formatting your page A4, set your margins at 5 cm for top and 2.5 cm for bottom, left, and right for the first page (page setup, margins applied to the whole document) and 2.5 cm for top, bottom, left, and right starting with the second page (page setup, margins applied this point forward). Set the positions of header and footer at 2 cm. Do not indent paragraphs.

Do not worry about page headlines and page numbers. Both will be inserted and modified later.

2.3. Numbering and Attributing

Use *Arabic numbers* and small caps for section headings. Subsections should be numbered as shown. Use bold face for the paper title and the headings of sections and

subsections.

Moreover, use italic style (or equivalent) for the abstract and subsection headings.

3. UNITS

Use the International System of Units (SI) only. Never combine SI units and CGS or other units. Always state the units for each quantity that you use in an equation or in a figure.

4. ARTICLE STRUCTURE

4.1. 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.

Please note that the 'acknowledgements' section at the end should not be included in the section number either.

A typical article might include the following main sections.

4.2. Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

The introduction should also justify why the topic of the paper is important and that the content is original. The summary of results should have been dealt with in the abstract.

4.3. Literature review, conceptual framework, hypotheses etc.

This section should extend (but not repeat) the background to the article already dealt with in the Introduction and lay the foundation for the work being reported. It should identify the most relevant previous literature on the topic (but not in excessive detail) in order to position the paper and demonstrate how it will make a significant contribution. It (or a separate section) should set out (and justify) the theoretical or conceptual framework adopted in the paper. It may identify a number of hypotheses to be tested or research questions to be explored. In short, this section (or sections) should explain what the motivation for the paper is and why its contribution is original and significant.

4.4. Material and methods

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described. The reader needs to know that the empirical data and/or other material are relevant, reliable and capable of supporting robust conclusions, and that the methodology is appropriate, systematic and rigorous.

4.5. Results

Results should be clear and concise.

4.6. Discussion

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

4.7. Conclusions

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

This section should also be made clear what the original contribution of the paper is, discuss the policy or management implications of the findings, provide a critical assessment of the limitations of study, and outline possible fruitful lines for further research.

4.8. Appendices

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

5. HELPFUL HINTS

5.1. Figures and Tables

Figure captions should be below the figures as shown in Figure 1, and table captions above the tables. Figure axis labels are often a source of confusion. Try to use words and symbols in the figure captions rather than the symbols alone. Preferably digitize your figures and pixel graphics with a resolution of 300 dpi, which still allows printing without quality degradation. Higher resolutions enlarge the data without significant better printing quality. Check the readability of your colored figures after they have been printed in greyscales. Do not use such explanations in your text like “the red line in figure x in comparison to the green line...”.

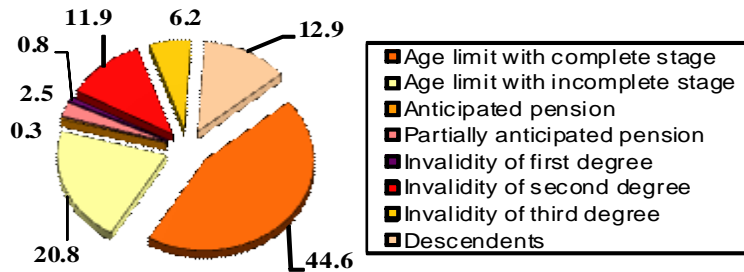


Figure 1. Machining features and their tool access directions

5.2. References

Citing references in text as well as the references list will be typed according to the American Psychological Association (APA).

Footnotes are not to be used.

5.2.1. Citation in Text

To insert a citation in text, include the author’s surname and year of publication. For a direct quotation, include the page number or specific location of the phrase or sentences in the original work. Some examples of how to use the author-date citation when paraphrasing are presented below:

Fitjar and Rodriguez-Pose (2013) have analysed whether these different innovation modes.....

In line with the work of Fitjar and Rodriguez-Pose (2013) on the geography of innovation....

In 2013, Fitjar and Rodriguez-Pose studies on the geography of innovation showed that.....

The following table shows how to format in-text citations:

Table 2. Format in-text citations

Type of citation	First citation in text	Subsequent citation in text	Parenthetical format, first citation in text	Parenthetical format subsequent citation in text
One work by the author	Petrișor (2022)	Petrișor (2022)	(Petrișor, 2022)	(Petrișor, 2022)
One work by	Bârsan and	Bârsan and	(Bârsan &	(Bârsan &

two authors	Petrișor (2019)	Petrișor (2019)	Petrișor, 2019)	Petrișor, 2019)
One work by three authors	Petrișor, Bârsan and Virca (2021)	Petrișor et al. (2020)	(Petrișor, Bârsan & Virca, 2021)	(Petrișor et al., 2020)
One work by four authors	Badea, Bârsan, Petrișor and Virca (2018)	Badea et al. (2018)	(Badea, Bârsan, Petrișor & Virca, 2018)	(Badea et al., 2018)
One work by five authors	Bechet, Miclăuș, Demeter, Popa and Bouleanu (2021)	Bechet et al. (2021)	Bechet, Miclăuș, Demeter, Popa & Bouleanu (2021)	(Bechet et al., 2021)
One work by six or more authors	Savin et al. (2021)	Savin et al. (2021)	(Savin et al., 2021)	(Savin et al., 2021)
Groups (readily identified through abbreviations) as authors	National Institute of Inventics (NII,2020)	NII (2020)	(National Institute of Inventics [NII], 2020)	(NII, 2020)
Groups (no abbreviations) as authors	Romanian Inventors Forum (2021)	Romanian Inventors Forum (2021)	(Romanian Inventors Forum (2021))	(Romanian Inventors Forum (2021))

(adapted from www.apastyle.org)

5.2.2. The Reference List

In the reference list at the end of the article, the references should be listed in alphabetical order by author (and chronologically for works by the same author, with the letters "a", "b" etc. being used if that author has published more than one article in a given year).

References contain: author name or names, publication date, title of the work and publication data.

Reference to a journal article:

Petrișor, S.M. & Bârsan, Gh. (2012). Tracked mobil robot for demmining. *AMM Journal*, 42 (2), 270-278.

Reference to a book:

Petrișor, S.M. & Petrișor, R.M. (2014). *Mecatronica – între imperativele contemporane și paradigm umanist-tehnologică*. Sibiu: LFA Publishing House.

Reference to a chapter in an edited book:

Kline, S.J. & Rosenberg, N. (1986). Overview of innovation. In Landau, R., & Rosenberg, N. (Eds), *The Positive Sum Strategy: Harnessing Technology for Economic Growth* (pp. 275-305). Washington, DC: National Academy Press.

Reference to a conference paper:

Petrișor, S.M. & Badea, D. (2015). Economic calculus for C.F.F. by implementation of the RRTR type industrial robot. *Proceedings of The 21st International Conference - The Knowledge-Based Organization*. Sibiu, 232-240, ISSN 1846-6722.

Corporate author:

National Institute of Inventics. (2021). *Publication manual of the National Institute of Inventics* (6th ed.). Iași: Author.

5.3. Abbreviations and acronyms

Define abbreviations and acronyms the first time they are used in the text. Do not use abbreviations in the titles unless they are unavoidable.

5.4. Equations

Number equations consecutively with equation numbers in parentheses aligned with equation numbers in parentheses aligned with the right margin. Italicize symbols for quantities and variables but not the function names (cos, exp, etc.) and units.

Be sure that the symbols in your equation have been defined before the equation appears, or their definitions follow the equation immediately.

$$f(x) = \sin(a) + \cos(b) \quad (1)$$

where a = variable one and b = variable two.

6. CONCLUSIONS

This document provides authors with basic guidance on how to prepare a printer-ready paper manuscript.

Acknowledgements

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.).

(Telephone for corresponding author: ...)