

Authors' Guideline

Journal of Advanced Sports Technology

Introduction

Journal of Advanced Sports Technology (JAST) is a peer-reviewed journal strives to publish technical research papers and bridging between academic and industry in favor of sport technology. Research papers on technological aspects of sport biomechanics, sport injuries, medical engineering, Sport technology and Engineering can be submitted on the understanding that the manuscript is not previously published or under consideration for publication elsewhere. Gaining technological information in the realm of sport is our utmost goal by encompassing vast sport related engineering science, academic, coaches, athletes, and sport industries.

JAST accept five types of manuscript:

1. Original Research Articles

It is the most popular manuscript in the scientific journals. It should not contain more than 6000 words and must divide into the following sections: Abstract, introduction, results, discussion, conclusions, references.

2. Technical Research Articles

Technical research articles are report development, design and innovations related to sports engineering, innovative methods by using instruments, develop a software, Big-Data technologies, cloud-base or web-base information, The **Internet of Things (IoT)**, Apps in the field of sport or exercise science, new instrumental method in exercise analysis, instrumentation design in sport, technology evaluation in design and manufacturing of sport equipment. Manuscripts should contain up to 45000

characters with sufficient technical details. JAST suggest following order: abstract, introduction, technical and experimental information, results, discussion, conclusions, conflict of interest, acknowledgment, references, and appendix.

3. Review Article

A comprehensive and up to date review may considered for publication if the contents comply with the JAST field of interest and provide a comprehensive review on the sport technology, sport equipment, sport technical methods and other themes stated for the technical research articles. It should contain abstract, introduction, literature review with maximum 60 references.

4. Sport Technology News

This is another type of manuscript accept by the JAST. It is a scientific report regarding emerging sport related technologies, patents, products, software, apps, and websites. It should contain an abstract followed by the news and references. We encourage young researchers to start manuscript writing in this category. Accepted manuscript should have permission to publish photos, charts, etc. and provide color and attractive illustrations.

5. The Expert's Note

The Expert's Note is generally written by a leading researcher in sport technology by invitation from the editor regarding the current trends in sports technology, advanced technologies in sport and exercise science, and suggestion in the equipment technology. However, letter of intent to the editor attached with the abstract can be considered for invitation by the editor. Manuscripts should contain up to 5000 words including short biography of the author, abstract, introduction, conclusion, references.

Authorship

Papers should only be submitted for consideration once consent is given by all contributing authors. Those submitting papers should carefully check that all those whose work contributed to the paper are acknowledged as contributing authors.

The list of authors should include all those who can legitimately claim authorship. This is all those who:

1. Made a substantial contribution to the concept and design, acquisition of data, or analysis and interpretation of data,
2. Drafted the article or revised it critically for important intellectual content,
3. Approved the version to be published.

Authors should meet the conditions of all of the points above. Each author should have participated sufficiently in the work to take public responsibility for appropriate portions of the content. When a large, multicenter group has conducted the work, the group should identify the individuals who accept direct responsibility for the manuscript. These individuals should fully meet the criteria for authorship.

Acquisition of funding, collection of data, or general supervision of the research group, alone does not constitute authorship, although all contributors who do not meet the criteria for authorship should be listed in the Acknowledgments section. Please refer to the **International Committee of Medical Journal Editors (ICMJE) authorship guidelines** for more information on authorship.

Submission of Manuscript

It is recommended to submit manuscript with word 2007 format by e-mail: jast@uma.ac.ir as an attachment for quick evaluation. The editorial office will send an acknowledgement letter stated the receipt of your manuscript, category, and the manuscript number.

Manuscript Format and Style

All manuscripts should be clearly written in a clear and concise grammatical correct English manner. If English is not your first language, please ask an English-speaking colleague to proofread your article prior to submission to ensure it is of a high standard and conforms to a high level of scientific writing. Arial font style with font

size 12 should be used except for Tables title and contents and Figure legends (size 10). The entire manuscript should be typed double spaced, with margins of 1 inch each side and justified. All pages should be numbered consecutively on the right side of the bottom starting with the title page. Indent new paragraphs. The style of heading and subheading should be defined by Microsoft heading style (e.g. Heading 1, heading 2, etc.) with wide margins (2.5 cm from all sides). The beginning of each new paragraph must be clearly indicated by indentation. [Click here to download the Microsoft Word original research manuscript template.](#)

Title Page

The first line starts with manuscript title (bold, size 12). In the second line write the name of all authors with their highest qualifications (marked with asterisk) and the next line address(es) of the author(s), the name of the corresponding author (marked with asterisk) along with phone, E-mail address.

Abstract

In page 2, manuscripts should accompany with a structured abstract less than 300-350 words, but not less than 250 words. It should contain *introduction, objectives, material and methods, results, discussion and conclusion* followed by 3-5 *keywords* separated by comma.

Abstract must clearly reflect the content of the manuscript.

Introduction

It should contain a structured review of literatures and establish the purpose and importance of the research.

Material and Methods

It should include exact material and methods of experiments ended with statistical method. Using proper statistical and/or data analysis method with brief justification

for using it is important in this section. Instruments model and manufacturer, software name and website, and methods used in the research should clearly quoted.

Results

It must be presented in the form of text, table, graphs and illustrations. The contents of the table should not be all repeated in the text. Instead, a reference to the table number must be given. Figures and illustrations should have high quality for the viewers.

Discussion and Conclusion

It should emphasize the main findings and the variations or similarities with other researches. It is important to emphasis on the technological aspects between your findings with others. The detailed results should not be repeated in the discussion. Emphasize the new and important aspect of the study and the conclusion that follow from them.

References

Bibliographic citations in the text should be identified by numbers in the text appear like [1, 2, ...], using square brackets. References should be numbered consecutively in the text. We urge authors to use the EndNote software for references. JAST provided an example of EndNote library and output styles that support the formatting of in-text citations and reference listed by EndNote software: Download JAST EndNote reference style.

Examples:

Journal article

1. Meamarbashi, A., Quantification of exercise performance intensity during walking and running by three-dimensional accelerometry. *Sports Technology*, 2013. 6(1): p. 2-9.

Book

2. Burke, E., *High-tech cycling*. 2nd ed. 2003, Champaign, IL, USA: Human Kinetics. 325.

Book chapter

3. Senanayake, S. and T.K. Khoo, Intelligent musculosoccer simulator, in *The impact of Technology on Sport II*, F.K. Fuss, A. Subic, and S. Ujihashi, Editors. 2007, Taylor & Francis: London, UK. p. 409-414.

Online document

4. Ann, L. and v. Thron. This Bike Company Used 3D Printing To Make Performance Bikes That Fold. 2016 [cited 2016 June 20]; Available from: <http://www.sporttechie.com/2016/06/13/this-bike-company-used-3d-printing-to-make-performance-bikes-that-fold/>.

Dissertation

5. Chadwick, S.G., The aerodynamic properties of tennis balls, in Department of Mechanical Engineering. 2003, University of Sheffield: Sheffield, UK. p. 331.

Conference proceeding

6. Zulkifli, N.S.A., F.K.C. Harun, and N.S. Azahar. XBee wireless sensor networks for Heart Rate Monitoring in sport training. In *International Conference on Biomedical Engineering (ICoBE)*, 2012.

Acknowledgement

This is an optional section that should contain acknowledgements of personal but if authors received any type of financial support to help in their research or assist them to publish the article, or any significant financial or technical assistance, it is compulsory to acknowledge accordingly.

Conflict of Interest

It is compulsory in case of any conflict of interest to state in this section, otherwise ignore this section.

Tables

Tables should be self-explanatory without reference to the text. Each table should be inserted in the manuscript and numbered consecutively in Arabic numerals with short descriptive titles. Tables are to be typed single-spaced with font 10 including headings and footnotes. Columns are to be separated by horizontal lines only.

Column headings should be brief, with units of measurement in parentheses. All abbreviations should be defined in footnotes. Use superscript letters (not numbers) for footnotes and keep footnotes to a minimum.

Figures

Figure legends should be typed in numerical order and insert on the manuscript. Graphics should be prepared using applications capable of generating high resolution GIF, TIFF, BMP, JPEG before pasting in the Microsoft Word manuscript file. Use Arabic numerals to designate figures and upper case letters for their parts (Figure 1). Begin each legend with a title and include sufficient description so that the figure is understandable without reading the text of the manuscript. Information given in legends should not be repeated in the text. Line figures should be supplied as sharp, black and white or color diagrams, drawn with a computer graphics package. Photographs should be sharp and magnifications should be indicated on photographs using a scale bar. Graphics should be supplied as high resolution (at least 300 dpi.) electronic files. Digital images supplied as low-resolution cannot be used. The legend should incorporate definitions of any symbols used and all abbreviations and units of measurement should be explained so that the figure can be understood without reference to the text.

Language

Either British or American English can be used, but be consistent within your manuscript.

Check for consistent spelling of names, terms, and abbreviations, including tables and figure captions.

Terminology, Units and Abbreviations

Technical terms and abbreviations should be defined the first time they appear in the text.

- Please always use internationally accepted signs and symbols for units, so-called SI units.
- Numerals should follow the British/American method of decimal points to indicate decimals and commas to separate thousands.