INSTRUCTIONS FOR AUTHORS

Advanced Research in Life Sciences (ARLS) (eISSN: 2543-8050) is an international, open access, peer-reviewed journal that publishes original research papers, reviews, short communications and case studies in the disciplines of life sciences. ARLS is a free publication journal, published twice a year in electronic format. The journal does not have article processing charges (APCs) nor article submission charges.

Research articles form the major type of publication. The research articles should be divided in sections (abstract, introduction, materials and methods, results and discussions, conclusions, references) and not exceed 10 printed pages.

A review article is an article that summarizes the previously published literature on a particular subject. The author selects all information relevant to the topic and lead back the "state of the art" of the subject, into their own vision.

Short communications is a short, concise research paper containing original results and conclusions. Short communication is not designed to present preliminary results.

Case report is a presentation of a complex real problem, analyzed in detail. This type of article is mainly used in medicine and contains the symptoms, tests, diagnoses and treatments of a patient.

Submission of manuscripts

The manuscripts should be submitted by email to contact@arls.ro (see the template on https://www.degruyter.com/view/j/arls), as a document (*.doc, *.docx).

A reply to the corresponding author will confirm that the manuscript has been received and the peer-review process is to begin. The comments of the reviewers will be sent to the corresponding author (through the editor) and will usually be subject to revision. After a manuscript is accepted, proofs will be sent to the corresponding author for final approval prior to publication. After the final acceptance other corrections are not approved.
**Preparing the manuscript**

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**Manuscript layout** – manuscripts should be prepared using the ARLS style template without bringing any change to the established format (see https://www.degruyter.com/view/j/arls).

*Manuscript layout checklist:*

- Papers should be written in clear, concise English;
- Page format A4, Justify, typed with two-line spacing with normal margins (2.5 cm) and line numbered;
- Paper orientation – portrait (vertical) – all pages, including those with tables and figures;
- The pages will be numbered;
- Font Arial 12 for all the text and Arial 10 for authors affiliations, tables, figures and references;
- The sections will respect the following order: Title, Authors, Authors’ full affiliations, Corresponding author, Abstract, Keywords, Introduction, Material and methods, Results and discussions, Acknowledgements, References, Tables, Figures;
- **Titles** should be written in **bold** and **headings** in **italic**;
- Footnotes in text – to be avoided.
- The Latin terms - **italic** (species, anatomical names etc.)

1. **Title** should be concise and informative, specific to the work presented (maximum 120 characters including spaces).
2. **Authors’ names and affiliations** list the full names (first name, family name), postal address for each affiliation (university/organization, city, postal code, no., street, country) and valid e-mail address for all authors. Clearly indicate the corresponding author by using an asterisk after the family name.

Ex. Smith K.\(^1\), Johnson D.\(^2\), Ionescu A.\(^{1,2}\)
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Smith Kevin – smith.kevin@gmail.com

3. **Abstract** must contain a maximum of 300 words. It will briefly provide the main aim of the research, describe the principal results and provide the major conclusions, without citations, references, tables, figures or abbreviations.

4. **Key words** a maximum of 5 appropriate key words (separated by commas) should be listed for abstracting and indexing. The key words should respect the subject of the paper.

5. **Introduction** section should provide a brief background, avoiding a detailed review of literature, with appropriate references. The aim of the work is also important to be stated. If abbreviations are used, the term in full, followed by the abbreviation in parenthesis, should be given at first occurrence. It must not be longer than Results and Discussions.

6. **Materials and methods** - The materials, methods and the design of the experiments should be presented clearly, providing sufficient details to permit the work to be reproduced. The methods published in a previous work should be indicated by a reference. Only the major modifications to published methods should be clearly described. Company names and product names should be presented and the equipment used and/or the laboratory names where the experiments were conducted should be mentioned. The numbers of experiments, replicates, etc. and any statistical tests used should be presented. SI system should be used. For biochemical compounds nomenclature the recommendations of the IUPAC-IUB Commission of Biochemical Nomenclature should be followed. For enzymes the Enzyme Commission (EC) number and systematic name should be used at the first mention of enzyme in the manuscript. The authors submitting research articles containing experimental results obtained using animals should provide Ethics Committee approval and authorization (*).

* Medical research ethics
When using animals for scientific research it is necessary to respect the national legislation in force (for Romania, Law 43/2014 with amendments in Law 96/2015, to EU Directive 63/2010 and its implementing rules). The legislation refers to the elimination of pain, suffering, distress or lasting harm to any animals used for scientific purposes. Research must be conducted in accordance with the ethical and legal requirements in force in order to preserve animal welfare.

Authors who publish in ARLS have the obligation and responsibility to meet these requirements. Publishers will verify if the authors refer to national legislation that guided them in their research in the publication.

For publication of a case report authors should have the consent of the animals owners for publication of animal data, analysis, images or other data on the case. It is necessary that authors can prove that they have received the owners’ consent, if any situation requires it. Case data will be presented so as to ensure anonymity and confidentiality of trial subjects.

7. Results and discussions should be presented in a clear and concise way, discussing the correlation with existing research. The authors may use text, tables, figures, photographs, and graphs to present their results. Discussions could contain statistical interpretation.

8. Conclusions The main conclusions should be stated presenting the relevance of the study.

9. Acknowledgements This section should present sources of supporting funding of the work and list those who contributed or helped during the research (analysis, data interpretation, language, writing, etc.)

10. References should be indicated in the text in squared brackets, by consecutive ascending numbers [1, 4-6]. It is essential to respect the ARLS format for the references list, in accordance to the APA style. All titles in the references list should be written in English.

- Articles – Author(s) last/Family name, the first name initial (bold). (Year of publication). Article title. Full journal title (italic), volume (number), pages, DOI.
  Example:

- Books – Author(s) last/Family name, the first name initial (bold). (Year of publication). Book title (italic). Place of publication: Publisher.
  Example:
- **PhD Thesis** – Author(s) last/Family name, the first name initial (**bold**). (Year of publication). *PhD thesis title (italic)*. Specification that is a PhD thesis. Place of publication: faculty, city.

  *Example:*

- **Web page** – Author(s) last/Family name, the first name initial (**bold**). (Year of publication). *Title (italic)*. Retrieved date of access, from URL (link).

  *Example:*

11. **Tables/Figures** - should be presented at the end of the main text, after the Reference list, inserted in text box (see the ARLS style template from https://www.degruyter.com/view/j/arls). The tables and all types of images should be numbered consecutively and referred in the text by number. Each table or figure should have a concise title and contain enough information to be understandable. The tables should not be larger than one printed page and should be submitted as editable text and not as image. If the tables/figures contain abbreviations, use footnotes for explanations. High resolution images should be provided. Images from the internet are accepted only with reference index. The same material should not be presented in tabular and graphical form.

**Note:** The authors are encouraged to name 3 appropriate reviewers.