

## **INSTRUCTIONS TO AUTHORS OF RESEARCH PAPERS PUBLISHED IN THE "ANNALS OF ANIMAL SCIENCE"**

### **I. General Rules**

1. The "Annals of Animal Science" include original research papers which have not been published either in part or as a whole in any other scientific journal, except for proceedings of symposia and scientific conferences. The submitted papers should be written and documented so as to form an integrated whole.
2. The "Annals of Animal Science" cover the following range of topics: genetics and farm animal breeding; the biology, physiology and reproduction of animals; animal nutrition and feedstuffs; environment, hygiene and animal production technology; economics and the organization of animal production.  
The assignment of a paper to a given section should be proposed by the author(s), but the final decision rests with the Editors.
3. Papers are printed in English with a Polish summary.
4. Papers to be published should not exceed 16 manuscript pages (size A4) including tables, figures, photographs, etc., about 20 references and a summary.
5. Papers are reviewed by two reviewers who are research workers specializing in the relevant field. One unfavourable review means that the paper will not be published. The costs of printing are covered by the authors or by the institutions from which the papers were sent, according to current rates of paper preparation and printing.
6. The "Annals of Animal Science" also publishes review papers. The paper should not exceed 20 manuscript pages, including up to 30 references. A summary in Polish and key words should be listed at the end of the paper. Papers should present the latest knowledge in a given field of science and current literature.

### **II. Submission of Manuscripts**

1. Manuscripts for publication are submitted to the Editor-in-Chief by research workers or the heads of research institutions where the studies were carried out, who take responsibility for their content, scientific value and the preparation of the text.
2. Manuscripts should be submitted in English by email ([annals@izoo.krakow.pl](mailto:annals@izoo.krakow.pl)) and both a print copy and a CD should be submitted by post to: The Editors of "Annals of Animal Science", National Research Institute of Animal Production, Sarego 2, 31-047 Kraków, Poland, tel. (+48) 12 422-73-33, fax (+48) 12 422-80-65, and meet the following requirements:

Word processor: Microsoft Word for Windows

Paper size: A4 (210 x 297 mm)

Font: CG Times 11 pt or Times New Roman 12 pt

Margins: 25 mm (left, right, top, bottom)

Line spacing: double

Justification: full

Formulae: equation editor

Line number

Tables: table function

The ENTER key should only be used to start a new paragraph.

3. Attached to the manuscript should be the Manuscript Submission Form as appended at the end of this Instruction.

### III. Layout of the Text

1. Title page (unnumbered), not included in the paper volume, should contain: the title of the paper, the full name(s) of author(s) with superscript numbers indicating the full postal address (postcode, street, no.) of the department and affiliated institution where the study was carried out, e.g.:

Jan Kowalski<sup>1</sup>, Maria Anna Rokicka<sup>2</sup>, Adam Nowacki<sup>3</sup>

<sup>1</sup>Department of Zoology, Jagiellonian University, św. Anny 12, 30-017 Kraków, Poland

<sup>2</sup>Department of Immuno- and Cytogenetics, National Research Institute of Animal Production, 32-083 Balice n. Kraków, Poland

<sup>3</sup>Experimental Station of the National Research Institute of Animal Production, 39-331 Chorzelów, Poland

In the case of corresponding author, the e-mail address also should be given.

abbreviated title (5-6 words as in the paper title or synonyms)

source of research financing, e.g. work financed from:

statutory activity, project no.

author's project of the State Committee for Scientific Research, project no.

funds of the Ministry of Agriculture and Rural Development, project no.

2. Manuscripts should be organized in the following order:

a) **Abstract.** Not more than 15–20 lines in length, containing the aim, principal methods and most important results of the experiment.

b) **Key words.** Maximum five items that best describe the paper's content, beginning with words of wider meaning, e.g. ruminants, dairy cows, somatotropin, prolactin, milk.

c) **Introduction.** This should justify the research based on references and conclude with a clearly formulated aim of the study or research hypothesis.

d) **Material and methods.** This section should contain all information needed to replicate the experiment, e.g. experimental factors, experimental design, species, breed, sex and number of animals, duration of experiment, feed rations and their composition, laboratory techniques and statistical methods used. In the descriptions of methods (biological, chemical, statistical) it is enough to refer to source material if applied accordingly. Modifications made to the methods should be described in detail.

e) **Results** can be presented in tabular or graphic form (figures, diagrams, photographs) and given a brief description. The text of the description should not repeat tabular data.

f) **Discussion.** This should interpret the results in terms of the influence of experimental factors according to the aim of the experiment or to the hypothesis made in the Introduction. The experimental results should be interpreted using the current state of knowledge to help the reader accept or reject the hypothesis tested. This section should conclude with a summing-up and generalization of the results obtained. The direction of further studies in the relevant field may be also hinted at here.

g) **Acknowledgements** (if any).

h) **References.** Publications cited in the text must be organized in strict alphabetical order according to name of author. Each citation should include the author's name and initials, year of publication, full title of paper, abbreviated name of journal, number of volume and issue, and initial and final page numbers. When more than one paper published by the same author(s) in the same year is cited, and the authors appear in the same order, the different papers should be assigned successive letters of the alphabet (e.g. 1983 a, 1983 b) and arranged chronologically. References should not include laws, school textbooks, and master's and doctoral dissertations. Below are provided examples of proper citations of references from scientific journals, congress proceedings and books (manuals).

**Papers published in periodicals:** Jenkins K.J., Hidioglou M. (1991). Tolerance of the preruminant calf for excess manganese or zinc in milk replacer. *J. Dairy Sci.*, 74: 1047–1053.

**Papers published in multi-author monographs, occasional publications, symposium or congress proceedings:** Miller E.L. (1982). Forage protein in ruminant animal nutrition. The nitrogen needs of ruminants. In: D.J. Thomas (Editor), Proceedings of an International Symposium on Protein Requirements for Cattle. Kansas State University, Kansas City, KN, pp. 254–269.

**Multi-author books:** Bock H.D., Eggum B.O., Low A.G., Simon O., Zebrowska T. (1989). Editors. Protein metabolism in farm animals: evaluation, digestion, absorption and metabolism. Oxford, UK, Oxford University Press (1989), 452 pp.

**Books:** Cuhna T.J. (1991). Horse feeding and nutrition. San Diego, USA, Academic Press, Inc. (1991). Second edition, 445 pp.

- i) **Summary** in Polish - the same as the Abstract (Polish summary is not included in the text volume) with full names of the author(s) and title of the paper.
3. Literature citations in the text. Research findings (or their authors) should be cited if strictly connected with the study topic or research methods used. The number of citations should not exceed the 20 most important items quoted in the text. When a citation has more than two authors, the name of the first author should be followed with "et al.", e.g. Nowacki et al. (1992). Unpublished papers should be listed in the text, e.g. Błoński (personal communication) or (Błoński, unpublished data).
  4. Tables should present the most important data. The column on the left should list the parameters studied, while the columns in the middle and on the right should contain the results for individual experimental factors. Tables should contain numerical data, which are the mean values for a set of observations or measurements, replications and their statistical interpretation (e.g. standard error, coefficient of variation). Tables numbered consecutively in Arabic numerals should be submitted on separate sheets. The titles of the tables should be brief. Each column should have a heading. Columns and lines should be spaced. No vertical lines are allowed. Horizontal lines can only be used for strictly justified purposes.
 

Tabular data should not be repeated in graphic form (figures, diagrams, etc.). If there are no data for a given parameter, leave a blank. If an explanation is necessary, use an abbreviation and explain it as a footnote at the bottom of the table (e.g. ND - not determined or not detected). To designate the significance of differences between two means or interaction between factors, an additional column is recommended with the heading "significance level", using the signs x, xx, xxx for  $P \leq 0.05$ , 0.01 and 0.001, respectively. When the number of means is greater than two, the significance of differences should be designated with letters which follow tabular data. Their meaning should be explained below the bottom line of the table, e.g.:

a, b, c, d - values in rows (or columns) with different letters differ significantly ( $P \leq 0.05$ ).  
 A, B, C, D - as above for  $P \leq 0.01$ .

Statistical interpretation of the results should fit the design of the experiment and the hypotheses tested.
  5. Figures and photographs. Research results, presented in the form of figures, charts and diagrams, should be made on tracing paper or in other forms ready for reproduction. A single figure or diagram must fit half of the text page. Black-and-white or colour photographs of postcard size should have good contrast. Each figure or photograph should be provided with a brief description of its content and, if necessary, a legend in English. References to figures or photographs in the text of the paper should be provided with a reference mark or information.
 

Figures and photographs should be submitted in two sets.
  6. Abbreviations should be explained on their first appearance. SI units of measure should be used. This also concerns the energy value of feeds, which should be given in Joules.
  7. Supplementary information. After receiving a review of the paper the authors should follow the reviewers' guidelines for changes and corrections, and return all the materials received together with a corrected version of the manuscript within 3 weeks at the most. A failure to return it in due time will delay publication by half a year. The correction of a galley-proof, confirming the final version of the paper, should be made within 10 days of it being sent to the author(s). If this deadline is not met, the Editors bear no responsibility for changes made.
  8. Papers that fail to comply with the above instructions will be rejected. The Editors do not return rejected manuscripts.

place

date

“Annals of Animal Science”  
Manuscript Submission Form

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AAS issue  
To be filled in by Editors

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Economics and organization of animal production

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