



## Scope

*Animal Biology* (AB) publishes high quality papers and focuses on integration of the various disciplines within the broad field of zoology. These disciplines include behaviour, developmental biology, ecology, endocrinology, evolutionary biology, genomics, morphology, neurobiology, physiology, systematics and theoretical biology. Purely descriptive papers will not be considered for publication. *Animal Biology* is the official journal of the Royal Dutch Zoological Society since its foundation in 1872. The journal was initially called *Archives Néerlandaises de Zoologie*, which was changed in 1952 to the *Netherlands Journal of Zoology*, the current name was established in 2003.

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where appropriate. Manuscripts will be returned to the author without review if the editorial office considers that the research has not been carried out within an ethical framework.

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First-time users of EM need to register first. Go to the website and click on the "Register Now" link in the login menu. Enter the information requested.

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- Suggest Reviewers (min. 2)
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### Contact Address

Editorial inquiries and proposals should be sent to the Editor-in-Chief, Dr. Joris M. Koene, VU University, Ecology, Amsterdam, the Netherlands, [editor@animal-biology.com](mailto:editor@animal-biology.com). For questions about the Editorial Manager system, authors can also contact the Brill EM Support Department at: [em@brill.nl](mailto:em@brill.nl).

## Submission Requirements

### Language

Contributions to *Animal Biology* should be written in English. Spelling (British or American) should be consistent throughout. If authors are unsure of correct English usage, they are responsible for getting their manuscript proofread - prior to submission - by a person proficient in English. Manuscripts in which English grammar and/or style are difficult to understand will be returned to the author for revision before scientific review.

### Length

Contributions should, as a rule, not exceed 12 printed pages (ca. 20 double-spaced manuscript pages with standard typeface), including figures and tables. Longer papers are sometimes allowed but only if extra space is offered by the Editor-in-Chief.

## Manuscript Requirements

### General

Manuscripts submitted for publication should be typewritten, using a standard Roman font, with double spacing and broad margins. The pages *and* lines must be numbered continuous, starting on the title page. The title page should contain: full title, name(s) of author(s) (first name fully written, only using capitals for the first letter), name(s) and address(es) of the institute(s) where the study was carried out. Author names should be separated by commas and between the last two names by 'and', references to the authors' institutes and addresses should be indicated with superscripted numbers next to the authors as well as preceding the institute's name in ascending order. The institutes where the work has been done should be indicated under the authors, first letters of major words in capitals. Please make sure that the full contact details of the corresponding authors (name, postal address and e-mail address) to whom decisions, proofs and a PDF file of the paper should be directed are included, and mark the corresponding author with an asterisk (\*). E.g., John Smith<sup>1\*</sup> and John R. Doe;<sup>1,2</sup> <sup>1</sup>Centre for Zoological Science, <sup>2</sup>Institute for Integrative Biology.

Authors are strongly encouraged to consult a recent issue of *Animal Biology* to familiarize themselves with style and lay-out of the journal. A summary of style requirements follows below.

### Title

Only use a capital letter for the first letter of the title and any words, such as genus and family names, that require a capital.

### Abstract and Keywords

Manuscripts should be preceded by an abstract containing a summary of the aims, the results in words (please avoid using numbers and values) and the conclusions of the study. The abstract should not exceed 250 words, and should be followed by a list of keywords (max. 6), separated by semicolons.

### Headings

Main section headings should be in **bold** (Abstract, Introduction, Material and methods, Results, Discussion, Acknowledgements, References or other variants, if appropriate). Use capitals only for the first letter of the heading and first letters of proper names, separated by white lines from text.

Subheadings are in *italic* type, aligned left, with capitals only for the first letter of the subheading and first letters of proper names, followed by an empty line.

Sub-subheadings should be in *italic* type, with capitals only for first letter of the sub-subheading and first letters of proper names, followed by the text on the next line (i.e. not separated by an empty line).

### Statistics

Means should be reported with their standard errors/standard deviations (and medians and interquartile ranges/confidence limits) and their associated sample sizes. Give full details of statistical analysis either in the text or in tables or figure legends. This information should include the type of test, the data to which it was applied, the value of the relevant statistic, the sample size and/or degrees of freedom, and the probability level (use italics for *F*, *P*, *N* and other variables). For example:

ANOVA:  $F_{2,22} = 8.79$ ,  $P = 0.012$  (note the two degrees of freedom in the subscript to *F*)

Paired t test:  $t_{12} = 1.89$ ,  $P = 0.06$  (note the degrees of freedom are here in the subscript)

Chi-square test:  $X^2 = 0.20$ ,  $N = 12$ ,  $P = 0.92$

Spearman rank correlation:  $r_s = 0.97$ ,  $N = 25$ ,  $P < 0.001$

Mann-Whitney U test:  $U = 95$ ,  $N = 27$ ,  $P < 0.05$

### Italics

The use of italics other than in scientific names, as well as spacing of text and phrases, should be avoided.

### Figures and Tables

Do not represent results both in a figure and a table. Instead, choose the most effective way for displaying your data. The words “figure, fig., figs., table, tables” should be put in the text in lower



case, except at the beginning of a sentence and at the beginning of a legend or heading. They should be numbered in the order as they appear in the text.

### Tables

Tables must be numbered consecutively in Arabic numerals. They should carry a heading line above the table and a legend text below the table briefly stating the nature of the facts assembled; each table must be on a separate manuscript page.

### Figures

Authors are responsible for taking care of colour reproduction fees, if any, see point 6 of the legal conditions listed above. Upon acceptance of the paper, authors are encouraged to submit a high quality photograph of the animal(s) on which the work was conducted, for consideration as a cover image for the issue.

Full-colour figures are accepted and can be included in the digital version of the final paper. Or the printed version, colour figures can only be published if the author(s) agree to pay the page charges (€ 580 per colour page). Figures to be printed in grey scale should not contain colour. Figures must be in final form for printing. Lines, lettering and symbols should be in black and suitable for the required reduction. Lettering and labels should be in Arial font. Figures in the manuscript should be uploaded as separate source files as .jpeg, or .tif (not .pdf). The size of the figure must be appropriate for the journal (max. 12 × 19 cm); enough space should be left below each figure for the caption.

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Figure captions should be added on a separate sheet at the end of the main text. Figures must be numbered consecutively in Arabic numerals in the order as they appear in the text.

### Footnotes

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At the end of the paper, references should be arranged in alphabetical order of first authors' names. Journal names should be abbreviated according to the World List of Scientific Periodicals. References should be cited as follows:



### Journal Article

Ketterson, E.D., Nolan, V., Wolf, L. & Ziegenfus, C. (1992) Testosterone and avian life histories - Effects of experimentally elevated testosterone on behavior and correlates of fitness in the dark-eyed Junco (*Junco hyemalis*). *Am. Nat.*, 140, 980-999.

### Book

Hill, R.W., Wyse, G.A. & Anderson, M. (2008) *Animal Physiology. Second Edition*. Sinauer Associates, Sunderland.

### Chapter in a Book

Brown, J.H. (1975) Geographical Ecology of Desert Rodents. In: M.L. Cody & J.M. Diamond (Eds.) *Ecology and Evolution of Communities*, pp. 315-341. Belknap Press, Cambridge, MA.

## Publication

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