



ANIMAL REPRODUCTION SCIENCE

An International Journal

AUTHOR INFORMATION PACK

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DESCRIPTION

Animal Reproduction Science publishes results from studies relating to **reproduction** and **fertility** in **animals**. This includes both fundamental research and applied studies, including management practices that increase our understanding of the **biology** and **manipulation** of reproduction. Manuscripts should go into depth in the mechanisms involved in the research reported, rather than a give a mere description of findings. The focus is on animals that are useful to humans including food- and fibre-producing; companion/recreational; captive; and endangered species including zoo animals, but excluding laboratory animals unless the results of the study provide new information that impacts the basic understanding of the biology or manipulation of reproduction.

The journal's scope includes the study of reproductive physiology and endocrinology, reproductive cycles, natural and artificial control of reproduction, preservation and use of gametes and embryos, pregnancy and parturition, infertility and sterility, diagnostic and therapeutic techniques. The Editorial Board of *Animal Reproduction Science* has decided not to publish papers in which there is an exclusive examination of the *in vitro* development of oocytes and embryos; however, there will be consideration of papers that include *in vitro* studies where the source of the oocytes and/or development of the embryos beyond the blastocyst stage is part of the experimental design.

Submission is encouraged of manuscripts that are focused on reproduction in aquatic animals. Manuscripts focused on reproduction in insects, however, do not fit the scope of the Journal and will be rejected without peer review.

Authors with any concerns are encouraged to contact the Editor-in-Chief to enquire about the suitability of the content of their paper for [submission](#). There are no page charges for manuscripts published in *Animal Reproduction Science* and publication of papers only takes place after rigorous peer review.

AUDIENCE

Research Workers in Animal and Human Reproduction, Animal Health Workers.

IMPACT FACTOR

2018: 1.817 © Clarivate Analytics Journal Citation Reports 2019

ABSTRACTING AND INDEXING

Biological Abstracts
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GUIDE FOR AUTHORS

INTRODUCTION

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1. Original Research Papers (Regular Papers)
2. Review Articles

For *Original Research Papers (Regular Papers)*, a reporting of research results that comprise one or a series of experiments is required. The paper should contribute to increasing understanding of the biology and/or manipulation of reproduction in animals. The material should not have been previously published elsewhere, except in a preliminary form. *Original Research Papers* should not be longer than 8,000 words (including Introduction, Materials and Methods, Results, Discussion and Conclusions). Figures and Tables should not exceed eight items. The authors may provide additional data, especially with regard to a detailed methods section, and large datasets as supplementary materials.

Review Articles should fit within the scope for the journal and be of current interest in the realm of animal reproduction in those species on which the journal focuses. Submission of Review Manuscripts to *Animal Reproduction Science* is encouraged. The manuscripts may be submitted without invitation or be invited reviews and should be submitted using the same process as that for Original Research manuscripts. *Review Articles* developed by conducting a systematic research review including those resulting from meta-analyses are encouraged; however, high quality review articles developed not using this approach will also be considered for publication. *Review Articles* should be no longer than 10,000 words and contain no more than eight Figures and Tables. The use of illustrations explaining the mechanisms referred to in the Review is strongly encouraged.

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4. There should be indentation of the first line of all paragraphs except for the Abstract of the manuscript
5. There should not be a line spacing between paragraphs
6. Proper *Animal Reproduction Science* format has been used for all headings and subheadings throughout the manuscript

BEFORE YOU BEGIN

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Author contributions

For transparency, we encourage authors to submit an author statement file outlining their individual contributions to the paper using the relevant CRediT roles: Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be formatted with the names of authors first and CRediT role(s) following. [More details and an example](#)

Authorship

All authors should have made substantial contributions to all of the following: (1) the conception and design of the study, or acquisition of data, or analysis and interpretation of data, (2) drafting the article or revising it critically for important intellectual content, (3) final approval of the version to be submitted.

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This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of one independent expert reviewer to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. [More information on types of peer review.](#)

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Tables and Figures should be inserted separately at the end of the manuscript. Furthermore, the format used for the Table and Figure legends should be consistent with that of manuscripts published in this journal.

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The ABSTRACT can be no longer than 250 words in length and details about what should be included in the ABSTRACT are described subsequently in this document.

Introduction (labelled with the number 1)

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

The introduction "sets the scene" for the research. Do not over-reference statements; two or three key references should suffice unless each adds something specific. The introduction should not normally be more than 500 words (approximately two manuscript pages).

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Gene names

Authors must use standard gene names, as provided by HGNC. Gene names must be italicized. If the case of mammalian species and if gene names refer to rodent species, they must be upper case (i.e. HspA1A); if they refer to non-rodent species they must be written in capitals (e.g., HSPA1A). If they refer to other species, they must be written lower case (e.g., hspa1a). Protein names are written in capitals and are not italicized.

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If authors have used quantitative PCR, the Methods section must be written following Bustin et al. The MIQE Guidelines: Minimum Information for Publication of Quantitative Real-Time PCR Use of terminology - relative abundance of mRNA transcripts as compared with the abundance of mRNA for a reference gene(s).

Experiments. Clin Chem 2009; 55: 611-622. The authors should also ensure that the following information is provided:

Protocol for DNA/RNA extraction, including quantitation and determination of purity; Reverse transcription: amount of RNA, concentration of all reagents: primers concentration (either random primers or oligonucleotides), reverse transcriptase and master mix components; For qPCR: sequence of Forward and Reverse primers, amplicon size, accession number of Genbank; Thermocycler parameters (i.e. denaturation, annealing and extension steps, number of cycles, melting curves); Validation of PCR products; Non-template controls for Reverse Transcription and qPCR should be included in all reactions; and Data analysis: details for the quantitative or relative determination.

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When performed, the Methods section should provide technical details for flow cytometry experiments, following the recommendations set by the International Society for Advancement of Cytometry (Lee J et al. MIFlowCyt: The minimum information about a flow cytometry experiment. Cytometry A 2008; 73: 926-930). Amongst others, the following information should be provided: technical specifications of the equipment, laser wavelength, BP and LP for filters, sheath rate, how populations have been gated, concentration of cells during analysis, calibration of the equipment, linear or logarithmic representation, number of technical replicates, data compensation and software used to analyze histograms. The Editorial Board may request, at any point, the authors to provide the original files (.FCS/.LMD) or the histograms and dot-plots.

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Validation of antibodies through peptide blocking experiments is required when immunoblotting (Western blot), immunofluorescence, immunohistochemistry or immunocytochemistry are performed. The authors may cite a previous reference in which the specificity of the antibody used for the species reported in the submitted Manuscript has been validated and published.

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Authors must provide enough details on how data were evaluated and which statistical package was used to conduct that evaluation. If linear models are used, authors should have previously confirmed that parametric assumptions (normal distribution and homogeneity of variances) are not violated and, when applicable, indicate whether linear transformations of data or non-parametric tests have been conducted. Authors are also encouraged to consult with biometricians and determine which the most suitable statistical test before conducting the study (e.g., GLM, mixed model, linear regression).

Results (labelled with the number 3)

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Conclusions (labelled with the number 5)

The main conclusions of the study should be presented in a separate, short Conclusions section.

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Abstract

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