

Editorial news and events

Special Issue

Invitation for Papers for Journal of Animal and Feed Sciences Special Issue on “*Exogenous Enzymes in Animal Nutrition: Benefits and limitations*”

A special issue of Journal of Animal and Feed Sciences on ‘*Exogenous Enzymes in Animal Nutrition: Benefits and limitations*’ is scheduled for publication by mid-2013.

The use of exogenous enzymes in animal nutrition dates back to the mid-1920s. However, with the recent advances in interdisciplinary sciences exploiting molecular techniques, there are new opportunities and tools to assess effectiveness of their utilization. With the proper use of enzymes in animal nutrition, there is tremendous potential to maximize their beneficial effects not only for the animals, but also for environmental conservation.

Strategies of the utilization of exogenous enzymes in the nutrition of high yielding ruminant and non-ruminant animals are to be published in this special issue. The effectiveness of enzymes in animal nutrition depends on (i) type, (ii) source, (iii) level of supplementation, as well as (iv) type of diet, (v) animal health and (vi) productivity. Hence, research focusing on the effect of phytase and non-phytase enzyme segments, enzymes combination, including enzymes produced by genetically modified bacteria, protozoa and fungi, on enteric fermentation, animal health and productivity are desirable.

The main topics of this special issue are:

1. Mode of action of particular enzymes and their combinations, occurrences of synergism and antagonism reactions in relation to the enzymes themselves and to dietary ingredients.
2. The impact of enzymes on nutrient utilization including basic nutrient components, anti-nutritional factors, minerals and the consequence, enteric microbial populations, nutrients digestibility, growth performance.

3. The optimum dosages of enzymes as dietary supplements.
4. Optimization of enzyme activity to make enzymes activity more effective from economic and ecological points of view.
5. Alternative use of enzymes in mixtures of other feed additives e.g., organic acids.
6. Methods of enzymes application.
7. Future of enzymes in animal nutrition.

Authors are requested to send an abstract of their paper (not exceeding one page) for a preliminary review. The Editors may then invite authors to submit full papers. However, submission of an abstract does not guarantee an invitation to write a full paper.

On preparation of abstracts and manuscripts for this call, author should consider carefully the editorial policy of JAFS.

A special attention will be paid to the following points during the manuscript evaluation in the case of *in vitro* or *in vivo* evaluations:

1. Experimental design and replications of the research works, especially the experiment unit used during the statistical analysis.
2. *In vitro* experiments joined with *in vivo* experiments.

Abstracts should be submitted in electronic form to:

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Last date for submission of abstracts: November 01, 2012

Last date for submission of papers: February 01, 2013

Time schedule of the special issue publication:

Week 0	- publication of the call for abstracts:	- 1 st of October 2012
Week 4	- last date to submit abstracts:	- 1 st of November 2012
Week 5	- all authors informed if a full paper was invited:	- 7 th of November 2012
Week 16	- last date to submit a full paper:	- 1 st of February 2013
Week 24	- last date for primary reviews to be completed:	- 1 st of April 2013
Week 28	- last date for sending only the accepted papers, the running order and the preface to journal editor:	- 1 st of May 2013