



Editorial news and events

Book review

Proceedings of the Society of Nutrition Physiology The 70th Annual Meeting of the German Society of Nutrition Physiology Hannover, March 08–10, 2016

Society of Nutrition Physiology (Ed.), DLG-Verlag, Eschborner Landstraße 122, D-60489 Frankfurt am Main, Germany (2016), Vol. 25, 174 pp., Price: 29.90 € plus postage, Softcover, ISBN: 978-3-7690-4109-5

The proceedings of the meeting comprise a review paper entitled ‘Biotransformation of secondary plant ingredients’ by S.E. Kulling from the Max Rubner-Institute, Karlsruhe, Germany, 141 abstracts, and 4 contributions to the workshop ‘Grain used in animal feed – Insights and perspectives’.

The author of the review analyses potentials and risks of secondary plant ingredients. The term ‘secondary plant ingredients’ summarizes about 100 000 different substances divided in several structure classes such as phenolic compounds (e.g., flavonoids, phenolic acids, stilbens, xanthon), isoprenoids (monoterpene, phytosterine, carotinoids, saponins), glucosinolates, alkaloids, sulphides and phytic acids. Body’s own enzymes and enzymes of the intestine microbiota metabolize the secondary plant ingredients in various ways. During the meeting presentation, the author had explained the differences between various substances and the possible mode of their actions. Unfortunately, in the proceedings volume the paper of this presentation is not available.

The peer-reviewed abstracts (one page each) are devoted to the following topics:

- Transport and epithelial physiology (9 contributions)
 - Amino acids and nitrogen (16 contributions)
 - Minerals (8 contributions)
 - Digestion (24 contributions)
 - Feed additives (24 contributions)
 - Other topics (18 contributions)
 - Feedstuff evaluation and feeding (26 contributions)
 - Energy (5 contributions)
 - Environment (4 contributions)
 - Undesirable substances (2 contributions)
 - Fatty acids (5 contributions).
- Most of the presented papers are composed by scientists working at German institutes of animal nutrition and animal physiology, but also there are contributions made by scientists from other European countries as well as from overseas (e.g., Egypt, India, Iran, New Zealand, Turkey and USA).
- The workshop covers the new aspects of grain evaluation in animal feeding. Four reviews (2–3 pages each) deal with the following topics:
- Chemical processing of cereal grains in ruminant nutrition: between tradition and innovation
 - Fermentation of grain: potentials in pig nutrition
 - Cereal grains as a source of protein and amino acids in livestock feeding
 - Upgrading of cereals by means of hydrothermal pressure treatment.
- The Proceedings of the 70th Annual Meeting of the Society of Nutrition Physiology review current research activities in animal physiology and animal nutrition in Central Europe. This publication is recommended to all those working not only in animal nutrition and physiology, but also in feed science.

The Proceedings of the 70th Meeting (Vol. 25, 2016) are available from the DLG-Verlag, Eschborner Landstraße 122, D-60489 Frankfurt am Main, Germany.

The next meeting of the Society of Nutrition Physiology of Germany (the 71st) will be held in Goettingen from 14 – 16 March, 2017.

Gerhard Flachowsky
Institute of Animal Nutrition,
Friedrich-Loeffler-Institute (FLI),
Federal Research Institute of Animal Health
Bundesallee 50, D-38116 Braunschweig, Germany
Tel.: +49-531-58044-102; Fax: +49-531-58044299
e-mail: gerhard.flachowsky@fli.bund.de