

Awardees of 15th AJAS/CAPI Award

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Outstanding Research Award (Best Paper): Dr. Zhijiang Zhou

Prof. Zhijiang Zhou is working in the School of Chemical Engineering and Technology, Tianjin University in China. Prof. Zhou received his B.Sc in Shanxi Agricultural University in China, and his master's degree and Ph.D. in Changchun University of Agriculture and Animal Sciences in China. Prof. Zhou published several reviewed and researched publications focused on the detection and control of foodborne bacterial pathogens, exploitation and industrialization of microbial resources as well as probiotics and prebiotics on animal gut microbiota.



Prof. Zhijiang Zhou and his research team tried to characterize microbial communities along the gastrointestinal tract of sheep by 454 pyrosequencing analysis. The gastrointestinal tract of sheep contains complex microbial communities that influence numerous aspects of the sheep's health and development. This is the first study to characterize the entire gastrointestinal microbiota in sheep by use of 16S rRNA gene amplicon pyrosequencing, expanding our knowledge of the gastrointestinal bacterial community of sheep.

The winning article for the 15th AAAP/CAPI Outstanding Research Award (Best Paper) was published in *Asian Australas. J. Anim. Sci.* Vol. 30 P100-110 (2017) with the title of "Characterization of the microbial communities along the gastrointestinal tract of sheep by 454 pyrosequencing analysis".

Outstanding Research Award (Most Cited Paper): Dr. Tzu-Tai Lee

Dr. Tzu- Tai Lee received his B.Sc and Master's degree in Department of Animal Science from the University of National Chung Hsing University in Taiwan, and his Ph. D. in Graduate Institute of Biotechnology from the University of National Chung Hsing University in Taiwan. Dr. Lee published several publications focused on the antioxidant capacity and immunomodulatory effects of phytochemicals /phytochemicals as well as their potential effects on oxidative status and anti-inflammation in animals.



Dr. Tzu- Tai Lee and his research team are to employ phytochemicals and its byproducts (such as leaves of *Morus*, *Phyllanthus emblica* L., *Ricinus communis* and *Cinnamomum kanehirae*) in animal diets. These materials are safe and environmentally friendly, and they could be used as substitutes for some synthetic antioxidants due to their active compounds. His pioneering studies has demonstrated the antioxidant benefits of leaves from some medicine plants in broilers and hens through illustrating the underlying molecular mechanism of antioxidant pathway. Dr. Lee currently target immune-modulating mechanism underlying action toward chickens and pigs in order to reveal the integral beneficial contribution to those animals.

The winning article for The 15th AAAP/CAPI Outstanding Research Award (Most Cited) was published in Asian Australas. J. Anim. Sci. Vol. 30 P299-308 (2017): with the title of "Antioxidant capacity of phytochemicals and their potential effects on oxidative status in animals — A review".

Outstanding Research Award (Most Cited Paper): Dr. Myunggi Baik

Prof. Myunggi Baik is currently a professor in the Department of Agricultural Biotechnology at Seoul National University starting from 2013, Republic of Korea. He received Bachelor and Master Degrees in Seoul National University, and a Doctoral Degree of Animal Science from North Dakota State University, USA. He worked at NIH, USA as a Post-doctorate from 1991 -1992. He worked as a professor at Chonnam National University from 1991 to 2013. He had a sabbatical leave at Michigan State University from 2005-2007. His major is Ruminant Nutrition and Physiology in College of Agriculture and Life Sciences. Professor Baik's major research interests are molecular studies of production of high-quality beef and improvement of cattle productivity, animal welfare and stress mitigation, mitigation of methane production, and rumen microbiome and metagenomics.



The winning article for the 15th AAAP/CAPI Outstanding Research Award (Most Cited Paper) was published in Asian Australas. J. Anim. Sci. Vol. 31 P1043-1061 (2018) with the title of "Genetic, management, and nutritional factors affecting intramuscular fat deposition in beef cattle — A review".

Distinguished Service Award (Most citing author): Dr. Dong Yong Kil

Dr. Dong Yong Kil received his B.S. degree with honors in 2002 and a M. S. degree in 2004 from Seoul National University, Korea. He continued his education in non-ruminant nutrition and physiology at the University of Illinois at Urbana-Champaign, and received a Ph.D. degree in 2008. He then worked as a postdoctoral research associate at the University of Illinois at Urbana-Champaign. In 2011, he started working as an Assistant Professor in the Department of Animal Science and Technology at Chung-Ang University. His main research area is the development of novel dietary management options to improve performance, product quality, and health of poultry. He is currently serving as an editorial board member for Journal of Animal Science and as an associate editor for Asian-Australasian Journal of Animal Sciences. He has authored more than 70 peer-reviewed papers in professional journals.

