

## ***Awardee of the 11<sup>th</sup> AAAP Animal Science Award***

Sponsored by **Japanese Society of Animal Science, Japan**

Presented at the Opening Ceremony of 17<sup>th</sup> AAAP Animal Science Congress  
on August 22, 2016 at Hotel Nikko, Fukuoka, Japan

### **Dr. In Kyu Han**

Professor Emeritus

College of Agriculture and Life Sciences, Seoul National University, Korea

Prof. In K. Han graduated in Animal Science from Seoul National University in 1956, with M.Sc degree from the same institute in 1958 and was awarded Ph. D. in mono-gastric animal nutrition from Cornell University in 1965.

He has spent most of his working career at the Seoul National University of Korea (1965-2000). As is well known not only in Asia but also throughout the world, Prof. Han has been a dedicated teacher, researcher and administrator for more than 60 years in the area of animal agriculture. He trained more than 170 graduate students, many of whom took key positions and contributed to the development of animal science and industry in Korea and AAAP countries. As a scientist, Prof. Han published 670 papers in refereed journals, notably in the area of development and utilization of non-conventional animal feeds, amino acids, and other ingredients and supplements. Also he put tremendous effort to the develop Korean feed composition tables and feeding standards for major domestic animal species in Korea, which provided the key information and technologies necessary for the modernization of animal agriculture in Korea.

Prof. Han is the type of person with the vision and the ability to play key roles in engineering many master plans. Creation and establishment of AAAP in 1980 and AJAS in 1988 are two best examples. Prof. Han together with 8 pioneers including Y. Yamada from Japan and S. Jalaludin from Malaysia master-minded the establishment of AAAP and he played the key role in development of the organization until today. He invited the 3<sup>rd</sup> AAAP Congress to Seoul and organized the congress in 1985 as one of the most successful meetings in AAAP history. In addition Prof. Han tried very hard to establish the official journal of AAAP ever since its creation and successfully launched the first issue of AJAS in March, 1988. He nourished the journal, both in quantity and in quality, from its outset until 2001, when he stepped down as editor-in-chief to take another important position: President of the Korean Academy of Science and Technology. His international interest was extended to WAAP, for which he served vice-presidency for 5 years and for another 5 years as the president. The 8<sup>th</sup> WCAP which was organized under his leadership in Seoul in 1998 was, and still is, the most successful conference in WAAP history.

Within the context of science in Korea, he engineered the establishment of many local scientific societies and their journals: some of examples are Korean Society of Animal Science & Technology, Korean Society of Animal Nutrition & Feed and Korean Nutrition Society. Prof. Han took a number of important positions in Korea and is well-known for his achievement in these positions. He was elected as the president of Korean Academy of Science & Technology for 3 years term (2001~2004) and as the dean of Agricultural University of Seoul National University for 2 years (1989~1991) with tremendous achievement for those organizations and for the development of sciences including agricultural science. His affection and interest in fostering human resources for the development of animal science and industry in AAAP region continued even after his retirement. He established Hans' Animal Life Science Foundation with the personal donation of almost one million dollar in 2000. The foundation has provided scholarship to not only Korean students, but also many other foreign students. Moreover, his foundation sponsored award programs such as AAAP Animal Science Award and WAAP International Animal Agriculture Award, and international meetings (AAAP and WAAP).

In view of his contributions aforementioned, it should be considered that Professor In K. Han is eminently suitable for receiving the 11th AAAP Animal Science Award, since he is recognized and respected across AAAP region as a leading scientist and mentor.



## ***Awardee of 4<sup>th</sup> Woogene B&G Award***

Sponsored by **Woogene B&G Co., Korea**

Presented at the Opening Ceremony of 17<sup>th</sup> AAAP Animal Science Congress  
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### **Dr. Takashi Nagai**

Head, International Relations Office

Department of Research Planning and Coordination Headquarters,  
National Agriculture and Food Research Organization, Japan

In 1984 Dr. Takashi Nagai succeeded in the in vitro fertilization in pigs for the first time in the world, and got Ph.D from Kyoto University. Since then, he has published about 200 papers in international journals and presented papers at many international congresses; he has been invited as a keynote speaker at many congresses and become one of the leaders in the field of animal biotechnologies such as in vitro fertilization, embryo transfer and production of cloned and transgenic animals in the world. Beside successful in vitro fertilization in pigs, it should be emphasized that he produced the clone bulls from frozen cloned embryos reconstructed using somatic cells for the first time in the world in 1999 and that he hypothesized that cloned mammals skip a reprogramming step but their offspring are normal because of proper reprogramming in sperm and oocytes of cloned animals; these papers have been cited by many papers. His achievements on animal biotechnologies were recognized so world-widely that he was selected as the first Asian president of International Embryo Technology Society which is the largest society related to Embryo Technology in the world. Also he is one of the founders of Asian Reproductive Biotechnology Society established in 2005.



From 1984 to 2013 he worked at National Institute of Livestock and Grassland Science (NILGS), NARO; his last position at NILGS was Animal Breeding and Reproduction Division Director. After retirement from NILGS, he moved to Korea and become WCU Professor at Seoul National University, and then moved to Taiwan to be Deputy Director of Food and Fertilizer Technology Center. From 1 April, 2016 he is Head of International Relations Office, Department of Research Planning and Coordination Headquarters, National Agriculture and Food Research Organization (NARO) and also adjunct professor of Meiji University and Kinki University. During his academic and professional career, he always focused on animal biotechnologies and international activities. From 1996 to 2012 he was a teacher of bovine reproductive technology training course for foreign trainees from developing countries including many Asian countries; this course was organized by National Livestock Breeding Center(NLBC). He had one-day class of about 8-12 trainees (students).

He begun to participate in the AAAP Animal Science Congress from 1996, and then presented many posters at the Congress. In 2006 he had an oral presentation at the 12th AAAP in Busan, Korea. He is organizing the NARO-FFTC Joint Workshop on “Mitigation of greenhouse gases and adaptation to climate change in livestock production systems” as the satellite workshop at this 17th AAAP Animal Science Congress.

## ***Awardees of 13<sup>th</sup> AJAS/CAPI Award***

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### ***Outstanding Research Award (Best Paper): Dr. Binghai Cao***

Dr. Binghai Cao received BS in the Department of Animal Sciences at Hebei Agricultural University, China in 1985. After completion of his undergraduate study, Dr Cao moved to Shinshu University, where he completed his MS degree in Animal Nutrition and Feed Sciences in 1995. He continued his study in Animal Nutrition and Feed Sciences at Gifu University, Japan for his PhD degree until 1998. After PhD course Dr Cao appointed as Special Researcher (Post-Doc) of the Ministry of Education, Department of Agricultural Sciences, Shinshu University, Japan for 2 years (1998-1999) and served as the Special Researcher & Deputy Chief of Department of feed development, Research Institute of ITOCHU Feed Corporation, Japan until 2000, when he hired as Post-doc in College of Animal Sciences and Technology, China Agricultural University, China. Dr. Cao joined China Agricultural University as associate professor from 2002 and promoted to full professor in 2010. Dr Cao's research area is very diverse, but he is best known specialist in beef cattle nutrition and feed nutrients-beef quality interaction. Dr Cao did many excellent work looking at Relationship between feed nutrients and differentiation of adipocytes and pre-adipocytes. The winning article for The 13<sup>th</sup> AAAP/CAPI Outstanding Research Award (Best Paper) was published in Asian Australas. J. Anim. Sci. Vol. 28 P156-165 with the title of "Sequencing and characterization of divergent marbling levels in the beef cattle (Longissimus dorsi Muscle) transcriptome".



### ***Outstanding Research Award (Most Cited Paper): Dr. Cheorun Jo***

Dr. Cheorun Jo received his BS from Department of Animal Science, Seoul National University, Korea in 1991 and MS from the same institute with Muscle Food Science major in 1994. Then, he received Ph.D. with double majoring Meat Science and Food Science and Technology from Iowa State University, USA in 1999 after 1 and half years of working for private company in meat business sector, Korea. Dr. Jo had worked for Food Science and Biotechnology Division, Korea Atomic Energy Research institute (2000~2006) as a senior researcher, Department of Animal Science and Biotechnology, Chungnam National University (2006~2013) as an associate professor, and currently is working for Animal Biotechnology major, Seoul National University (2013~) as a professor. His major research interest is quality and safety enhancement of animal origin foods including meat, egg, and their products. The winning article for The 13<sup>th</sup> AAAP/CAPI Outstanding Research Award (Most Cited Paper) was published in Asian Australas. J. Anim. Sci. Vol. 26 P772-779 with the title of "Comparison of quality traits of meat from Korean native chickens and broilers used in two different traditional Korean cuisines".



### ***Distinguished Service Award: Dr. Xiangshu Piao***

Dr. Xiangshu Piao is a Professor at Department of Animal Science and Technology, China Agricultural University (CAU) and Ministry of Agriculture Feed Industry Centre (MAFIC). She received PhD degree from Seoul National University, South Korea in 1999. She is a director of department of Education and Research in MAFIC. She published more than 120 scientific articles. She has been widely recognized for her dedicated research in monogastric nutrition, especially in the area of bio-active herbal extracts, and for professional teaching of “Swine Nutrition” course for undergraduate students in CAU. Dr. Piao currently serves as monogastric nutrition editorial board for Journal of Animal Science, and also participated review panel for 8 other international journals. Dr. Piao has acted as the reviewer of AJAS since 2005 and took a leading role in promoting AJAS in China and abroad.



### ***Distinguished Service Award: Dr. Byung O Kwak***

Dr. Byung O Kwak graduated from Animal Science Department at Seoul National University, Korea in 1981 and obtained his MS and PhD at the same institute specializing ruminant animal nutrition in 1991 and 1994, respectively. Dr. Kwak is currently CEO of Aniinfonet Co., Ltd. which is a system integration business in agricultural area. Before the establishment of Aniinfonet, he worked for TS Corporation as a R&D Chief for a number of years. As a nutritionist, he has provided technical consulting services for many private companies and cooperatives in Korea and China. Some of examples are: Kimhae Livestock Cooperative Federation, SF Co., Ltd., Farmsco Co., Ltd. and Cofeed Feed International in China. Dr. Kwak took a leading role in developing AJAS manuscript submission and handling software system in 2005 and operating the system from the very beginning of 2006 until the end of October 2014, when AJAS adopted a new web hosting service. AJAS is indebted highly to Dr. Byung O Kwak for his dedicated service.

