



# 17th AAAP ANIMAL SCIENCE CONGRESS

No.R001131

## CERTIFICATE Edi Erwan

State Islamic University of Sultan Syarif Kasim Riau

participated in the 17th Animal Science Congress held on August 22-25,  
2016 in Fukuoka, Japan.



**Mitsuhiro Furuse**  
President of 17th AAAP

## RECEIPT

No.R001131

The following amount has been duly received as registration fee(s) for  
the 17th Animal Science Congress held on August 22-25 in Fukuoka, Japan.

Category	Q'ty	Amount
Congress participant (Early Registration)	1	JPY 25,000

Total Amount JPY 25,000



**Mitsuhiro Furuse**  
President of 17th AAAP



# The 17th Asian-Australasian Association of Animal Production Societies Animal Science Congress

Program and Abstracts

22-25 AUGUST 2016

CONGRESS VENUE: FUKUOKA JAPAN

FUKUOKA

Osaka Nagoya Tokyo





# AAAP



## Asian-Australasian Association of Animal Production Societies

❖ **Scope of AAAP:** AAAP is established to devote for the efficient animal production in the Asian-Australasian region through national, regional, international cooperation and academic conferences.

❖ **Brief History of AAAP:** AAAP was founded in 1980 with 8 charter members representing 8 countries-those are Australia, Indonesia, Japan, Korea, Malaysia, New Zealand, Philippines and Thailand. Then, the society representing Taiwan joined AAAP in 1982 followed by Bangladesh in 1987, Papua New Guinea in 1990, India and Vietnam in 1992, Mongolia, Nepal and Pakistan in 1994, Iran in 2002, Sri Lanka and China in 2006, thereafter currently 19 members.

❖ **Major Activities of AAAP:** Biennial AAAP Animal Science Congress, Publications of the Asian-Australasian Journal of Animal Sciences and proceedings of the AAAP congress and symposia and Acknowledgement awards for the contribution of AAAP scientists.

❖ **Organization of AAAP:**

· President: Recommended by the national society hosting the next biennial AAAP Animal Science Congress and approved by Council meeting and serve 2 years.

· Two Vice Presidents: One represents the present host society and the other represents next host society of the very next AAAP Animal Science Congress.

· Secretary General: All managerial works for AAAP with 6 years term by approval by the council

· Council Members: AAAP president, vice presidents, secretary general and each presidents or representative of each member society are members of the council. The council decides congress venue and many important agenda of AAAP

❖ **Office of AAAP:** Decided by the council to have the permanent office of AAAP in Korea. Currently # 909 Korea Sci & Tech Center Seoul 135-703, Korea

❖ **Official Journal of AAAP:** Asian-Australasian Journal of Animal Sciences (AsianAustralas. J. Anim. Sci. ISSN 1011-2367. <http://www.ajas.info>) is published monthly

❖ **Current 19 Member Societies of AAAP:**

ASAP(Australia), BAHA(Bangladesh), CAAV(China), IAAP(India), ISAS(Indonesia), IAAS(Iran), JSAS(Japan), KSAST(Korea), MSAP(Malaysia), MLSBA(Mongolia), NASA(Nepal), NZSAP(New Zealand), PAHA(Pakistan), PNGSA(Papua New Guinea), PSAS(Philippines), SLAAP(Sri Lanka), CSAS(Taiwan), AHAT(Thailand), AHAV(Vietnam).

❖ **Previous Venues of AAAP Animal Science Congress and AAAP Presidents**

I	1980	Malaysia	S. Jalaludin	II	1982	Philippines	V. G. Arganosa
III	1985	Korea	In Kyu Han	IV	1987	New Zealand	A. R. Sykes
V	1990	Taiwan	T. P. Yeh	VI	1992	Thailand	C. Chantalakhana
VII	1994	Indonesia	E. Soetirto	VIII	1996	Japan	T. Morichi
IX	2000	Australia	J. Ternouth	X	2002	India	P. N. Bhat
XI	2004	Malaysia	Z. A. Jelan	XII	2006	Korea	I. K. Paik
XIII	2008	Vietnam	N.V. Thien	XIV	2010	Taiwan	L.C. Hsia
XV	2012	Thailand	C.Kittayachaweng	XVI	2014	Indonesia	Yudi Guntara
XVII	2016	Japan	Seiichi Koizumi	XVIII	2018	Malaysia	Loh Teck Chwen

## *Welcome Message*

The 17th Animal Science Congress of AAAP will be held at Kyushu Sangyo University, Fukuoka, Kyusyu Area in Japan, from 22 to 25 August 2016. The aim of this congress is to provide a forum for the exchange of new information on animal sciences and technology, with a focus on successful strategies for the sustainable promotion of livestock considering the environment and welfare of livestock and human beings. At the same time, the congress will provide a venue for people from both inside and outside of the Asian Australasian region to make new contacts and renew friendships. Japanese Society of Animal Science is organizing the 17th AAAP Congress and is pleased to welcome everyone in this congress who is interested in animal science and production.

The venue of the congress, Fukuoka City, where tradition meets modernity, with delicious dishes and an excellent geographic location close to the Asian countries.



Prof. Mitsuhiro FURUSE

President of 17th AAAP



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### Bronze Sponsor

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## Impact, Adaptation and Mitigation of Heat-Stress in Livestock

**Organizer:** Vishwajit Chowdhury

Faculty of Arts and Science, Kyushu University, Japan

Worldwide, global warming and heat-stress is a billion dollar problem. United Nations Climate Summit, Sept 23, 2014 clearly showed global warming is not a far-off problem. It is happening now and it has very real consequences on people's lives. Institute for Global Change Adaptation Science (ICAS) at Ibaraki Univ. reported that if no action is taken now, the economic cost of climate change to Japan could be as high as ¥17 trillion (US\$176 billion) annually by the end of the century. The concern of global warming is crucial issue in tropical and subtropical zones in the world, where Bangladesh ranks first as the nation most vulnerable to the impacts of global climate change in the coming decades. Therefore, it is very urgent to take immediate steps to face the challenge of global warming induced heat-stress in each sector. Being animal scientists, it's our obligation to be aware about the impact of heat-stress in livestock then try to develop technologies for supporting their survival and production.

This symposium will focus to understand how heat-stress is affecting livestock, in particular, cattle, swine and chickens. Then some possible approaches for adaptation and mitigation of heat-stress will be explored.

**Chairs:** Vishwajit Chowdhury, Kyushu University, Japan

Rong Zhang, Harvard Medical School

### Presenters

1. Oral administration of L- or D-aspartate and their chemical conjugates to regulate body temperature in chicks  
Edi Erwan, State Islamic University of Sultan Syarif Kasim Riau
2. Thermal conditioning to mitigate heat stress in chickens  
Takashi Bungo, Hiroshima University
3. Significance of temperature-humidity index values on production and composition of crossbred cow's milk in Bangladesh  
Morshedur Ranman, Bangabandhu Sheikh Mujibur Rahman Agricultural University
4. Effects of thermal HS in swine and solutions for alleviating it  
David Renaudeau, INRA, France