

Impact, adaptation, mitigation

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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 ranked 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

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