MEKONG ONE HEALTH INNOVATION PROGRAM (MOHIP)
WEBINAR #11

SMART Biosensors for One Health Monitoring & Surveillance

Evangelyn C. Alocilja, PhD,
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Agricultural Engineering
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Michigan State University, USA

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Dr. Alocilja is a fellow of the American Association for the Advancement of Science, a member of the US National Academy of Inventors, a recipient of 16 US patents, and an awardee of numerous national and international honors. She founded the Global Alliance for Rapid Diagnostics to develop affordable and accessible diagnostic tools for human and animal health, food security, and water quality in low-resource communities.

Dr. Alocilja's talk will be on a low-cost rapid diagnostic technology, nano-particle-based biosensors invented by Dr. Alocilja's lab at MSU. She will talk about how this technology makes differences to save lives, protect the nation, and sustain the economy by diagnosing infectious and antimicrobial resistant diseases early, rapidly, and inexpensively through a point-of-care nanoparticle-based biosensors.

Dr. Luengchavanon received his BSc in Industrial Technology in Electrical Power Engineering & MS in Telecommunication Engineering. His PhD was on energy studies with research on "low voltage current feedback amplifier with MOSFET transistor." His research are on fuel cells, wind energy, smart grid, & grid design for renewable energy. Dr. Luengchavanon will talk about the low cost graphene (nano particles) for novel batteries, and the methane sensor applied from solid oxide fuel as the alternative energy sources and how these could be used in diagnostic and health services and promoting One Health.

TIME: JANUARY. 18, 2024. 9 PM (EST), JANUARY 19, 2024, 9 AM (INDO-CHINA TIME)

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