

**The 5<sup>th</sup> Veterinary Technology & Nursing International Seminar:  
“Joint Symposium 5<sup>th</sup> KU-Vet Tech/TICA-Innovative Animal  
Health/ANR-SEAdogSEA and Conference on One Health;  
Veterinary Technology, Nursing, Environmental Health, and  
Scientific Integration 2023”**



FACULTY OF  
**VETERINARY  
TECHNOLOGY**

KASETSART UNIVERSITY

**13<sup>th</sup> -14<sup>th</sup> December, 2023**

**Bangkok, Thailand**

**Organized by**

**Faculty of Veterinary Technology, Kasetsart University, Bangkok,  
Thailand**

**Centre national de la recherche scientifique (CNRS or French National  
Centre for Scientific Research), Paris, France**

**IRL HealthDEE, CNRS – Kasetsart University – Mahidol University, Bangkok,  
Thailand**

**Sponsored by**

**Kasetsart University, Bangkok, Thailand**

## Program at a Glance

### Joint Symposium 5<sup>th</sup> KU-Vet Tech/TICA-Innovative Animal Health/ANR-SEAdogSEA

13<sup>th</sup>-14<sup>th</sup> December 2023: 9.00 – 16.00 at Pibul Chai-Anan auditorium room (11<sup>th</sup> Floor)

Faculty of Veterinary Technology, Kasetsart University, Bangkok, Thailand

### Theme: Joint Symposium 5<sup>th</sup> KU-Vet Tech/TICA-Innovative Animal Health/ANR-SEAdogSEA

#### Master of Ceremonies: Mr. Chuanphot Thinphovong

13 <sup>th</sup> December 2023		
Site	Program/ Title Presentation	Presenter/ Co-authors
9.00-9.15	Welcome and statement speech	<b>Assoc.Prof.Dr.Wuttinun Raksajit</b> Dean, Faculty of Veterinary Technology, Kasetsart University, Thailand
	Opening Ceremony	<b>Associate Professor Ladawan Puangchit</b> <b>The Vice-President for Academic Affairs, Kasetsart University, Thailand</b>
9.15-9.30	Introduction/Context	<b>Serge Morand</b> CNRS, KU, TICA-Innovative AH
<b>Session I : Vet Tech Symposium/TICA-Dog</b>		
9.30-9.45	Introducing a social-ecological approach of dog-borne diseases in SE Asia	<b>Michel de Garine-Wichatitsky</b> CIRAD, KU, TICA-Innovative AH
9.45-10.00	The effort of using Oral Rabies Vaccine in inaccessible dogs in Thailand	<b>Onpawee Sagarasaeranee</b> Department of Livestock Development
10.00-10.15	Community-Academia collaboration to strengthen rabies awareness in Thailand: multi-levels and multi-sectors	<b>Waraphom Phrimprapai</b> VetMed, KU, Thailand
10.15-10.30	Dog Blood Parasite infection in upland and lowland communities of Northern Thailand: the role of environment and care of dog owners	<b>[Online] Yossopong Paladsingh</b> Department of Entomology, AFRIMS, Thailand
10.30-10.45	Strategies in Rabies prevention and Management at Institut Pasteur de Cambodge	<b>[Online] Heidi Auerswal</b> IPC, Cambodia

## **Session II: Vet Tech Symposium/ SEAdogSEA-DogZooSEA**

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|-------------|--|--|
| 10.45-11.00 | Epidemiological roles of dogs in the transmission of emerging infectious zoonoses in South-East Asia                       | <b>Thibaut Langlois</b><br>U. Montpellier  |
| 11.00-11.15 | Monitoring dog-borne diseases in Bali  | <b>Wayan Artama</b><br>UGM, Indonesia  |
| 11.15-11.30 | Preliminary results of a social-ecological analysis of dog movements in Saenthong villages, Thailand                       | <b>Areeya Kriengudom</b><br>KU/CIRAD   |
| 11.30-11.45 | Dog's home range and potential transmission of some zoonotic diseases at Sibetan village, Karanggasem, Bali                | <b>Hery Wijayanto</b><br>UGM, Indonesia  |
| 11.45-12.00 | Characterising landscape use by dogs in Sibetan village, Bali, Indonesia   | <b>Barandi Widartono</b><br>UGM, Indonesia   |
| 12.00-13.00 | <i>Lunch Break at the 1<sup>st</sup> Floor of Anatomy and Pathology building</i>   |  |
| 13.00-13.15 | Constraints and performances of dog GPS tracking devices   | <b>Anan Phonphoem</b><br>Agric. Engineer., KU, Thailand                                      |
| 13.15-13.30 | Re-identification of free-roaming dogs using Artificial Intelligence and camera-trap images                                | <b>[online] Eugenio Ribeiro-Neto,</b><br>Marc Chaumond<br>CNRS-LIRMM, Montpellier,<br>France |
| 13.30-13.45 | Methodological assessment of fast-body search/sample collection for assessing dog ectoparasites diversity in Nan, Thailand | <b>Ketsarin Kamyinkird</b><br>VetMed, KU, Thailand   |
| 13.45-14.00 | Human leptospirosis: are rodents the only ones to blame?   | <b>Vanina Guernier</b><br>IRD, Thailand  |
| 14.00-14.15 | Leptospirosis in dog owners and their dogs in Indonesia  | <b>Dyah Ayu Widiasih</b><br>UGM, Indonesia   |
| 14.15-14.30 | Can dogs be Bacteriome proxies of their owners? Methods and way forward  | <b>[online] Pauline Van Leeuwen</b><br>Johan Michaux, Anamika, et al                         |
| 14.30-14.45 | Exposure to pesticides in rural communities, domestic animals and wildlife in Nan province, Thailand                       | <b>Chuanphot Thinphovong</b><br>Innovative Animal Health, KU                                 |

14.30-14.45 Knowledge, attitudes and practices  
towards dogs and dog-related diseases  
in two Cambodian villages

**[online] Alix Nicolas**  
University of Liège

14.45-14.55 A retrospective analysis of post-  
exposure prophylaxis in Cambodia

**Herman Bonza-Kongolo**  
IPC, Cambodia

# The 5<sup>th</sup> Veterinary Technology & Nursing International Seminar

## One Health: Veterinary Technology, Veterinary Nursing, Environmental Health, and Scientific Integration

**Chairman of the Conference: Assoc.Prof.Dr.Chainarong Sakulthaew**

**Master of Ceremonies: Assoc.Prof.Dr.Chanat Chokejaroenrat**

**14<sup>th</sup> December 2023**

Site	Program/ Title Presentation	Presenter/ Co-authors
9.00-9.15	Opening Ceremony/  Giving a token of appreciation/  Group photo	<b>Assoc.Prof.Dr.Wuttinun Raksajit</b> Dean, Faculty of Veterinary Technology, Kasetsart University, Thailand
<b>Session I : Invited speaker session</b>		
9.15-9.40	Drug-resistant Pathogens: A Scenario of Acaricides-resistant Ticks in Thailand	<b>Prof.Dr.Sathaporn Jittapalapong,</b> D.V.M Faculty of Veterinary Technology Kasetsart University, Thailand
9.40-10.05	Coinfection and genetic characterization of waterfowl parvovirus and circovirus in ducks in northern Vietnam	<b>Dong Van Hieu,</b> Department of Veterinary Medicine, Faculty of Veterinary Medicine, Vietnam National University of Agriculture, Vietnam
10.05-10.30	Optimization and Kinetic Modeling of Eco-Friendly N-TiO <sub>2</sub> /PMMA Composite for Efficient Photocatalytic Disinfection under Visible Light	<b>Prof. Yao-Tung Lin,</b> Department of Soil & Environmental Sciences, National Chung Hsing University, Taichung, Taiwan
10.30-10.55	Bacteria in the environment pose a risk of antimicrobial resistance in <i>Paenibacillus</i> larvae, the causative agent of American foulbrood of honey bees	<b>Prof.Daisuke Takamatsu,</b>  Division of Infectious Animal Disease Research, National Institute of Animal Health, National Agriculture and Food Research Organization, Japan
10.55-11.20	Virus detection from bats	<b>Assoc.Prof. Dr. Hiroshi Shimoda,</b> D.V.M.

Joint Faculty of Veterinary  
Medicine. Yamaguchi University,  
Japan

- 11.20-11.45 Establishment of new cell lines derived from wild animals and their viral susceptibilities **Prof. Dr. Ryusei Kuwata,**  
Faculty of Veterinary Medicine,  
Okayama University of Science,  
Japan
- 11.45-12.05  $\text{Cu}_{0.5}\text{Mn}_{0.5}\text{Fe}_2\text{O}_4/\text{H}_2\text{O}_2$ /light process for treating organic-contaminated water: Potential for water treatment and effects of treated water on aquatic plant and zooplankton **Dr. Athapon Angkaew,**  
Faculty of Environment, Kasetsart  
University, Thailand
- 12.05-13.00 *Lunch Break at the 1<sup>st</sup> Floor of Anatomy and Pathology building*

## **Session II : Upskill/Reskill (in Thai)**

- 13.00-13.25 Abnormal Blood Morphology and Their Hematological Diseases (Upskill/Reskill in Thai, Veterinary Technology) **Asst. Prof. Phudit Maneesaay,**  
D.V.M.  
Faculty of Veterinary Medicine,  
Kasetsart University, Thailand
- 13.25-13.40 Pradofloxacin: A Next Generation Fluoroquinolone Elanco (Thailand)
- 13.40-14.05 Step by step: Feline Anesthesia for Veterinary Nursing (Upskill/Reskill in Thai, Veterinary Nursing) **Dr. Patarakit Chongphaibulpatana**  
D.V.M. **Faculty of Veterinary**  
Technology, Kasetsart University,  
Thailand
- 14.05-14.25 What's new? Leptosirosis and vaccination in dogs. MSD

**Session III : Young Scientists**

14.25-14.42	The Expression of Haptoglobin in Healthy Dog Tears	Sudpatchara Ritchoo
14.42-14.59	The Functional Characteristics and Potential Applications for Animal Health of Polyhydroxybutyrate (PHB) Derived from <i>Arthrospira platensis</i>	Authen Promariya
14.59-15.16	Applications of TaqMan Real-time PCR and Droplet Digital PCR for Canine Monocytic Ehrlichiosis	Peeravit Sumpavong
15.16-15.33	Dual Activation of Peroxymonosulfate Using MnFe <sub>2</sub> O <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> and Visible Light for Efficient Degradation of Steroid Hormones: Performance, Mechanisms, and Environmental Impacts	Kitipong Poomipuen
15.33-15.50	The Investigation of Microplastics in Green Mussel ( <i>Perna viridis</i> ) Tissues by Histopathological Technique Under Light, Polarized and Fluorescence Microscopy	Poramee Khongmeunrak
15.50-16.07	Molecular Prevalence and Identification of <i>Plasmodium</i> spp. in Long-tailed Macaques ( <i>Macaca fascicularis</i> ), Southern Thailand	Tanawat Hmaidee
16.07-16.24	Preliminary Study on Food Safety Knowledge, Attitude and Practice in Preventing <i>Streptococcus suis</i> Infection among Residents of Nakhon Ratchasima Province	Perm Premphoolsawat
16.24-16.41	Effective Elimination of Microplastics Through the Biodegradation Process Involving <i>Arthrospira platensis</i>	Sekbunkorn Treenarat
16.41-16.58	Molecular Detection of <i>Anaplasma</i> spp. <i>Babesia</i> spp. and <i>Theileria</i> spp. in Cattle from Sa Kaeo Province, Thailand	Thanisorn Konlertvanich
<b>16.58-17.30</b>	<b>Award for the Best Presenter and Closing ceremony</b>	<b>Assoc.Prof.Dr.Wuttinun Raksajit Dean, Faculty of Veterinary Technology, Kasetsart University</b>

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