



SUKOLRAT BOONYAYATRA

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ACADEMIC POSITION:

Assistant Professor

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CONTACT :

Division of Ruminant Clinic
Department of Food Animal Clinic

RESEARCH INTERESTS:

- MICROBIOLOGY
- MOLECULAR BIOLOGY
- HERD HEALTH MANAGEMENT IN DAIRY

EDUCATION

Diplomate, Thai Board of Veterinary Medicine (DTBVM)
Veterinary Council of Thailand

Washington State University, USA
PH.D. (VETERINARY SCIENCES)

Chiang Mai University, Chiang Mai, Thailand
M.S.(HEALTH SCIENCE)

Chulalongkorn University, Bangkok, Thailand
D.V.M.

MOST RECENT PUBLICATIONS :

1. Salinas, M.B., Chuammitri, P., Sringarn, K., **Boonyayatra, S.**, Sathanawongs. 2021. Current perspectives on ruminant sperm freezability: Harnessing molecular changes related to semen quality through omics technologies A. Veterinary Integrative Sciences, 2021, 19(3), pp. 487-511
2. Zhang, T., Niu, G., **Boonyayatra, S.**, Pichpol, D. 2021. Antimicrobial Resistance Profiles and Genes in Streptococcus uberis Associated With Bovine Mastitis in Thailand. Frontiers in Veterinary Science, 2021, 8, 705338.
3. Homsombat, T., **Boonyayatra, S.**, Awaiwanont, N., Pichpol, D. 2021. Effect of temperature on the expression of classical enterotoxin genes among staphylococci associated with bovine mastitis. Pathogens, 2021, 10(8), 975.
4. Alona T. Badua, **Sukolrat Boonyayatra**, Nattakam Awaiwanont, Paula Blanca V. Gaban, Claro N. Mingala. 2020. Methicillin-resistant Staphylococcus aureus (MRSA) associated with mastitis among water buffaloes in the Philippines. Heliyon 6 (2020) e05663.
5. Badua, A.T., **Boonyayatra, S.**, Awaiwanont, N., Gaban, P.B.V., Mingala, C.N. 2020. Antibiotic resistance and genotyping of mecA-positive methicillin-resistant Staphylococcus aureus (MRSA) from milk and nasal carriage of dairy water buffaloes (Bubalus bubalis) in the Philippines. Journal of Advanced Veterinary and Animal Research, 2020, 7(3), pp. 397-406
6. Srikok, S., Patchanee, P., **Boonyayatra, S.**, Chuammitri, P. 2020. Potential role of MicroRNA as a diagnostic tool in the detection of bovine mastitis. Preventive Veterinary Medicine, 2020, 182, 105101
7. Niu, G., Khattiya, R., Zhang, T., **Boonyayatra, S.**, Wongsathein, D. 2020. Phenotypic and genotypic characterization of Streptococcus spp. isolated from tilapia (Oreochromis spp.) cultured in river-based cage and earthen ponds in Northern Thailand. Journal of Fish Diseases, 2020, 43(3), pp. 391-398.
8. Niu G., Wongsathein D., **Boonyayatra S.** and Khattiya R. 2019. Occurrence of multiple antibiotic resistance and genotypic characterization in Edwardsiella tarda isolated from cage-cultured hybrid red tilapia (Oreochromis sp.) in the Ping River, Northern Thailand. Aquaculture Research. 2019;50:3643-3652.
9. Sunghan J., Akatvipat A., Granick J., **Boonyayatra S.** 2019. Clinical factors associated with death during hospitalization in parvovirus infection dogs. Journal Veterinary Integrative Sciences. Vol. 17 No. 2 (2019): May-August.
10. **Boonyayatra, S.**, Tharavichitkul, P., Oliver, S.P. 2018. Virulence-associated genes and molecular typing of Streptococcus uberis associated with bovine mastitis in northern Thailand (2018) Turkish Journal of Veterinary and Animal Sciences, 42 (1), pp. 73-81.
11. Chuammitri, P., Srikok, S., Saipinta, D., **Boonyayatra, S.** 2017. The effects of quercetin on microRNA and inflammatory gene expression in lipopolysaccharide-stimulated bovine neutrophils (2017) Veterinary World, 10 (4), pp. 403-410.
12. Singhla, T., **Boonyayatra, S.**, Panyapomwithaya, V., VanderWaal, K.L., Alvarez, J., Sreevatsan, S., Phomwisetsirikun, S., Sankwan, J., Srijun, M., Wells, S.J. 2017. Factors Affecting Herd Status for Bovine Tuberculosis in Dairy Cattle in Northern Thailand (2017) Veterinary Medicine International, 2017, art. no. 2964389.
13. Tawatchai Singhla, **Sukolrat Boonyayatra**, Scott J. Wells. 2017. Animal-level factors affecting the results of the first single intradermal test for bovine tuberculosis in dairy calves in Chiang Mai, Thailand. Chiang Mai Veterinary Journal 15(3):147-155.