Contents

Editor's Note
The Queen Sirikit Royal Veterinary Service for the Rural Project
Supol Luengyosluechakul 401

Review Article
Induction of Cervical Relaxation for Artificial Insemination in Sheep
Sukanya Leethongdee 403

Original Article
Reproductive Loss due to Pestivirus Infection in Dairy Cattle Herds in Thailand
Jarawvan Kampa, Uthaiwan Sigh-na, Kwankate Kanistanon, Suwanchai Aisumalai 409

Acute and Chronic Toxicity of Moringa oleifera Linn Leaves Extracts
Songpol Chicupat, Pornchai Sirichaoenpokai, Nalinphat Saktiyasuthorn, Aussawarchai Shuaprom, Prathom thongserigak, Aphiwat Sakpetch, Anudep Rungsipipat 417

Immune Response of Lion’s paw Scallop Nodpecten subnodosus (Sowerby, 1835) Challenged with Vibrio algionyanticus
Erick Ramses Ramírez–Castillo, Marcial Arellano-Martínez, Bertha Patricia Ceballos-Vázquez, Héctor Abelardo González-Ocampo, Gabriel Aguirre-Guzmán, Antonio Luna-González 425

A Study on the Association between Number of Impounded Days and Adoption Rate of Stray Dogs at Public Animal Shelters in Changhua County, Taiwan
Meng-Chih Tung, Chang-Young Fei, Jeng-Tung Chiang, Kwong-Chung Tung 433

Ovarian Follicular Patterns and Hormone Profile in Thai Native Cattle (Bos indicus)
Denpong Sakhong, Thevin Vongpralub, Suporn Katawatin, Saksiri Sirisathien 439

Prevalence of and Risk Factors of Patellar Luxation in Dogs in Chiang Mai, Thailand, during the Years 2006–2011
Korakot Nganvongpanit, Terdsak Yano 449

Heart Rate Change during Aquatic Exercise in Small, Medium and Large Healthy Dogs
Korakot Nganvongpanit, Siriphun Kongsawasdi, Bussaba Chuatrakoon, Terdsak Yano 455

Body Surface Potentials Generated by the Heart of Normal Guinea Pigs
Anusak Kijtawornrat, Suwanakiet Sawangkoon, Orlando P. Simonetti, Robert L. Hamlin 463

Prevalence of Henneguya Infections on Cage-reared Channel Catfish Ictalurus punctatus (Rafinesque) in Mexico
Jaime Luis Rábago-Castro, Ricardo Gomez-Flores, Gabriel Aguirre-Guzmán, Patricia Tamez-Guerra, Carlos Ramirez-Pfiffer, Jorge Loredo-Osti, Jesús Genaro Sánchez-Martínez 471

Effect of Dietary Fiber, Ocimum canum and Psyllium Seed, in High Cholesterol-diet Fed Rats
Alishara Suriyasomboon, Annop Suriyasomboon, Surachai Chantip, Amorn Petchsom 479

Efficacy of Acetone and Ethanol in Dehydrating Canine Body Sheets: Before and After Resin Coating
Kriengyot Sajjarengpong, Pawana Chuesiri, Pakorn Prachannmuang, Panida Phisiriyuenyong 487

The Use of Commercial Soil Nucleic Acid Extraction Kit and Nested PCR for Detection of Leptospira in Farm Environment after Flooding in Taiwan
Ying-Bin Fuh, Wei-Yau Shia, Wei-Ming Lee, Ching-Lin Shyu, Chi-Young Wang, Chang-Young Fei 493

Ejaculate Characteristics of Captive Malayan Tapirs (Tapirus indicus)
Wanlaya Tipkantha, Budhan Pakazhenthii, Boripat Siriroomrat, Ampika Thongphakdee, Umaporn Maikaew, Warrisara Thomas, Daruka Tongthainan, Jessada Thaeemoen, Sunate Kanolnorantap, Mitchell Bush, Sithhaneero Tongtipisiridech 499

Association of Filaggrin (FLG) Gene Polymorphism With Canine Atopic Dermatitis in Small Breed Dogs
Gunnaporn Suriyaphol, Prapat Suriyaphol, Meena Serikaputi, Sirin Theerawatanasirikul, Achariya Suttasutha 509

Short Communication
Antimicrobial Sensitivity of Avian Pathogenic Escherichia coli (APEC) Isolated from Chickens During 2007–2010
Niwat Chansiripornchai, Sarawoot Mooljuntee, Pongphat Boonkhum 519

Toxicity Test of Kameng (Eclipta prostrate Linn.) and Kradhuawean (Spilanthes acmella (Linn.) Murr.) to Early Life Stage of Zebrafish (Danio rerio)
Aranya Pompornpisit, Nopadan Pirarat, Wanwipa Sudhikrai, Anong Binwilok 523
Expression of AheABC Efflux System and Plasmid Profile of *Aeromonas hydrophila* Isolates from Farmed Nile Tilapia (*Oreochromis niloticus*), Mintra Lukkana, Janenut Wongtavatchai, Rungtip Chuanchuen

Methanolic Activities of Selected Weeds on Bacteria Isolated from *Macrobrachium rosenbergii* Larvae, Najiah Musa, Nadirah Musa, Wan Nurhaftzah Ibrahim, Mohd Zahrol Ariff Shariat, Arief Izzairy Zamani, Muhd Ranzi Abdullah, Tee Lea Wee, Mariam Marip, Laith Abdul Razak, Amar Sakhawi, Awang Soh

Diagnostic Forum

ECG Quiz, Chollada Buranakarl, Winai Chansaisakorn

Ophthalmology Snapshot, Nalinee Tuntivanich

Ultrasound Diagnosis, Phiwipha Kamonrat

What is your Diagnosis, Pranee Tuntivanich, Suwicha Chuthatep