

**(Tentative program) International Symposium Program on
“Strengthening Dairy Science Innovation (SDI) in Lancang-Mekong Cooperation Countries”
24-25 July, 2025**

The Greenery Resort, Khao Yai, Nakhon Ratchasima Province, Thailand
Organized by Khon Kaen University and the 13th Thailand National Animal Science Conference.

Wednesday, July 23, 2025	
13:00	Registration (Room: Amethyst)
18:00	Reception (Room: Ballroom A)
Thursday, July 24, 2025 (Room RUBY)	
Opening Ceremony:	
08:30	Welcome Speeches: What we would like the SDI project to achieve: Kritapon Sommart (KKU)
Country report: Cambodia, Lao PDR, Myanmar, PR China, Vietnam, Thailand Chairman, Dr. Thumrongsakd Phonbumrung (DLD), Co-Chairman, Dr. Khin Hlaing (MLA) (5-minute VDO presentation+4-minute discussion)	
08:40	Assessing Dairy Cattle Production in Cambodia: A Review: Sophany Morm
	The current situation and strategy of cattle production in Lao PDR: Phanthavong Vongsamphanh
	Myanmar's Dairy Sector: Challenges, Opportunities, and the Road Ahead: Thet Khaing
	Development and Innovation Pathway for Dairy and Dairy Products Industry in China: Xian Liu
	Highlighted issues and policies in dairy production of Vietnam: Pham Van Gioi
	One Hundred Years of Thai Dairy Farming: Thumrongsakd Phonbumrung
	Overview of dairy production in Vietnam: Le Van An
	Current Situation and Future Prospects for Dairy Production in Lao PDR: Viengsakoun Napasirth
General Discussion: Comments, Reflections, and Questions	
Tea Break (Room: Ballroom B, C)	
Invited Speaker I: Dairy Nutrition Chairman, Dr. Nguyen Van Thu (TDU), Co-Chairman, Dr. Saowaluck Yammuen-art (CMU) (4-minute VDO presentation+2-minute discussion)	
10:30	Metabolizable protein requirements for lactation of crossbred dairy cows: Anan Chaokaur
	metabolizable protein requirements for maintenance of crossbred dairy cows: Anan Chaokaur
	Net Energy for Lactation in Holstein Crossbreds Fed Cassava Chip-Based Diets: Thidarat Gunha
	Energy requirements and efficiency of energy utilization for dairy cattle in contrasting climatic conditions: Wiroon Inthamonee
	Utilize nutrient requirement innovation on smallholder farms in the DPO dairy extension area: Khon Kaen Province: Itsaranunt Koranam
	Utilize nutrient requirement innovation on smallholder farms in the DPO dairy extension area: Udorn Thani Province: Chayaphon Tamkornburee
	Utilizing nutrient requirement innovation on smallholder dairy farms in Khon Kaen Province: Sukanya Kamphayae
	Utilizing nutrient requirement innovation on smallholder farms in the dairy cooperation areas: Mahasarakham Province: Thanakrit Kamsommai
	The economic impact of Thai NRC guidelines on dairy farm performance in northeast Thailand: A study on milk yield, composition, and costs: Kanokwan Kongphitee
	Evaluation of milk yield, quality, feed efficiency, and economic performance of Holstein-Friesian crossbred cows in the Mekong Delta of Vietnam: Nguyen Van Thu
	Ruminant Feed Resource of Lao PDR: Current situation and future development: Thansamay Vorlaphim
	Strengthening Tropical Dairy Production through Fresh Cassava Root Utilization: Anusorn Cherdthong
	Modification of fatty acid profiles in dairy cow's milk through supplementation of oil seeds and vegetable oils: Wisitiporn Suksombat

	Effects of Commercial Seaweed Supplementation on In vitro Methane Production and Milk Performance in Dairy Cows: Nattapong saengain
	Effects of Napiergrass and its combination of Thapra stylo legume silages with different levels of concentrate on feed intake, digestibility, and milk composition of dairy cows: Smerjai Bureenok
	Effects of Rice Stubble fermented with white-rot fungi on feed intake and nutrient digestibility in Rumen-fistulated cow: Jiravan khotsakdee
	Lunch (Room: Exhibition)
Invited Speaker II: Dairy Nutrition Chairman, Dr. Wisitiporn Suksombat (SUT), Co-Chairman, Viengsakoun Napasirth (NUOL) (4-minute VDO presentation+2-minute discussion)	
13:00	Improving feed efficiency and reducing methane emissions through iNDF management in dairy bulls: Bhoowadol Binsulong
	Methane yield and dairy cow productivity arising from the principal dairy diets fed in the dry and rainy season of Vietnam: Manh Thang Chu
	Effect of dietary fibro-biotics from water hyacinth (<i>Eichhornia crassipes</i>) on intake, digestibility and milk production in lactating dairy cows: Salisa Kotupan
	Innovative Feeding Strategies in Dairy Production: Exploring Monosodium Glutamate By-Product as a Protein Alternative: Phongthorn Kongmun
	Effects of Fermented By-Products and Rice Straw on Digestibility and Rumen Fermentation in Dairy Cows: Vanwisa Vongsamran
	Evaluating Sugarcane Silage as a Sustainable Roughage Source for Lactating Dairy Cows in the Mekong Sub-Region: Yingluck Moonsan
	The influence of different fat sources in total mixed ration on feed intake, milk composition and conjugated linoleic acid in dairy cows: Paiwan Panyakaew
	Effects of <i>Lactobacillus paracasei</i> Inoculation on Ensiled Total Mixed Ration Quality and Lactation Performance in Dairy Cows: Tanakorn Tanukarn
	Utilization of cassava bioethanol waste as a strategic feed in dairy cows: Ruangyote Pilajun
	Supplementation of gelatinized cassava mixed anthocyanin blood yam (<i>Dioscorea alata</i> L.) on hematological values, milk production and composition in the high temperature season of lactating cows: Wuttikorn Srakaew
	Thai Alfalfa: High-quality roughage in high milk yield feed rations: Thumrongsakd Phonbumrung
	Thai Florigraze: High-quality roughage in high milk yield feed rations: Ittiphon Phaophaisal
	Effect of Calcium Level on Feed Intake and Nutrient Digestibility in Dairy Cattle Fed Total Mixed Ration during Hot Season: Chalermpon Yuangklang
	Influence of crossbred genotype and dietary energy density on performance, carcass traits, and meat quality of Thai feedlot steers: Jenwit Nusri-un
	Broken rice enhances energy utilization without increasing methane emissions in Holstein crossbred steers: Jiraporn Kabsuk
	Tea Break (Room: Ballroom B, C)
Invited Speaker III: Dairy Nutrition, Production, and Milk Processing Chairman, Dr. Jinxin Liu (NAU), Co-Chairman, Chalermpon Yuangklang (RMUTI) (4-minute VDO presentation+2-minute discussion)	
15:00	Production performance of lactating dairy cows fed with oil palm by-products: Ratchataporn Lunsin
	Rice Distiller as Alternative By-product Feeds for Increasing Performance and Reducing Enteric Methane Production of Cattle in Lao PDR: Sangkhom Inthapanya
	Effects of dandelion extract in promoting production performance and reducing mammary oxidative stress in dairy cows fed high-concentrate diet: Yawang Sun
	Development of total mixed ration (TMR) with palm oil sludge as a lipid source to improve rumen fermentation, blood metabolites, and productivity of dairy cows: Chanadol Supapong
	Fructo-oligosaccharides supplementation enhances the growth of nursing dairy calves while stimulating the persistence of <i>Bifidobacterium</i> and hindgut microbiome's maturation: Jinxin Liu
	Non-pasteurized milk enhances early colonization and persistence of <i>Lactobacillus</i> species in dairy calves promoting a stable hindgut microbiome: Yunlong Gao
	Impact of Foot and Mouth Disease on Dairy Cow Conception at Top Dairy, Myanmar: Myat Thein

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	Optimization of milking herd during a crisis of high production cost for small-scale dairy farms in Thailand: Pornpamol Pattamanont
	Genomic Selection for Sustainable Dairy Cattle Improvement in Five Asian Countries (China, Thailand, Vietnam, Myanmar, and Cambodia): A Comparative Review: Neungrutai Senarath
	Practical manipulation of utero-ovarian functions of small (goats) and large (dairy cattle) ruminants in the tropics: From insights to innovative approaches: Chainarong Navanukraw
	Discrimination of processed milk between cow and buffalo using chemometrics: Chirasak Phoemchalard
	Application of Microcontroller-Based Diagnostic Approaches for Subclinical Mastitis Detection in Dairy Cows: Jitkamol Thanasak
	Assessing the Impact of Enhancing a Rural Milk Collection Center on Raw Milk Quality in Myanmar: Khin Hlaing
	Occurrence and Seasonal Variation of Antibiotic Residues in Raw Milk Collected by Silvery Pearl Dairy, Yangon: Chit Su Win
	Reducing Water Activity and Enhancing Solubility of Bovine Colostrum by Gum Arabic Encapsulation: Pornpansa Chuesomboon
	Development of Brown cheese using whey, a by-product of cheese manufacturing: Kanyawich Kanjina
	Development of Low-Fat Functional Ice Cream Enriched with Brown Rice Protein and Inulin Dietary Fiber Using Fresh Cow's Milk: Patcharee Malila
	Development of processed cheese from local ingredients in Thailand: Auengploy Chailangka
Dairy Network: “Strengthening Dairy Science Innovation in LMC Countries 2025-2030”:	
Chairman, Sarakit Thawinprawat (DLD), Co-Chairman, Kritapon Sommart (KKU)	
17:00	Discussion (5-minute presentation per country: Standing: ways forward based on the strengths of your organization, what offer, and expectations from the network)
18:00	Dinner (Room: Ballroom A)
Friday, July 25, 2025	
08:00	Dairy Cattle industry study tours and sightseeing
Saturday, July 26, 2025	
08:00	Leaving