

Program

The 3rd Virtual International Conference on Science and Agricultural Technology for Students (VICSAT 2023) Friday, March 31, 2023

Time *	Events & Titles
08.00 – 08.45 a.m.	Registration
08.45 - 09.00 a.m.	Part I: Opening ceremony
	<p>Greeting from the 3rd Virtual International Conference on Science and Agricultural Technology for Students (VICSAT 2023)</p> <p>Moderators:</p> <ol style="list-style-type: none"> 1. Assoc. Prof. Dr. Kecha Kuha Rajamangala University of Technology Lanna, Nan Campus, Thailand 2. Dr. Sakuntala Saijai Rajamangala University of Technology Lanna, Main Campus, Chiang Mai, Thailand <p>Report of VICSAT 2023: Assoc. Prof. Suntorn Wittayakun Dean Faculty of Science and Agricultural Technology, Rajamangala University of Technology Lanna, Main Campus, Chiang Mai, Thailand</p>
	Opening remarks: Asst. Prof. Jutturit Thongpron Acting the President of Rajamangala University of Technology Lanna, Thailand
09.00 - 10.20 a.m.	Part II: Invited speaker presentations
Session I	<p>Chairperson: Asst. Prof. Dr. Tanongsak Sassa-deepaeng Rajamangala University of Technology Lanna, Lampang Campus, Thailand</p> <p>Secretary: Miss Soipet Tunchum Student, Rajamangala University of Technology Lanna, Lampang Campus, Thailand</p>
09.00-09.20 a.m.	<p>Invited Speaker I: The role of allelopathic plants in sustainable agriculture: understanding the mechanism of growth inhibition mediated by the allelochemical cyanamide</p> <p>Asst. Prof. Dr. John Solomon Maninang Center for Global Communication Strategies, Komaba International Building for Education and Research, The University of Tokyo, Japan</p>
09.20-09.40 a.m.	<p>Invited Speaker II: Evolution of the freshwater fish diversity in Thailand</p> <p>Dr. Bouziane Khalloufi Palaeontological Research and Education Centre, Mahasarakham University, Thailand</p>
09.40-10.00 a.m.	<p>Invited Speaker III: Identifying murine rodent species and their anatomical evolution in agrosystems in peninsular South-East Asia: a geometric morphometric perspective</p> <p>Dr. Julien Claude Institut des Sciences de l'Evolution de Montpellier, Université Montpellier, France</p>
10.00-10.20 a.m.	<p>Invited Speaker IV: Breeding program for beef and dairy cattle to promote sustainable livestock productivity in the tropics</p> <p>Prof. Dr. A.K. Thiruvenkadan Veterinary College and Research Institute, Tamil Nadu Veterinary and Animal Sciences University, India</p>
10.20-10.30 a.m.	Coffee break



Time *	Events & Titles
10.30 - 11.30 a.m.	Part II: Invited speaker presentations
Session II	Chairperson: Asst. Prof. Dr. Ni-orn Chomsri Agricultural Research Institute, Rajamangala University of Technology Lanna, Lampang, Thailand Secretary: Mr. Possawee Prompang , Student, Rajamangala University of Technology Lanna, Lampang Campus, Thailand
10.30-10.50 a.m.	Invited Speaker V: Production of functional foods from goat milk Prof. Dr. Lilik Eka Radiati Department of Animal Product Technology, Faculty of Animal Science, Brawijaya University, Indonesia
10.50-11.10 a.m.	Invited Speaker VI: The effect of pigmented rice variety on qualities of Thai genmaicha Asst. Prof. Dr. Jirapa Pongjanta Agricultural Technology Research Institute, Rajamangala University of Technology Lanna, Lampang, Thailand
11.10-11.30 a.m.	Invited Speaker VII: Halal food: how to prepare, its plus and minus from scientific, health and economic point of view. Dr. Sucipto Sucipto Department of Agroindustrial Technology, Faculty of Agricultural Technology, Brawijaya University, Indonesia
11.30-12.30 p.m.	Lunch break
12.30 - 02.30 p.m.	Part III: Student presentations
Room I: Agricultural and Plant technology	
Session I	Chairperson: Asst. Prof. Dr. Rachanee Nammtra Walai Rukhavej Botanical Research Institute, Mahasarakham University, Thailand Secretary: Miss Saowapak Toemcheep Student, Mahasarakham University, Thailand
12.30-12.45 a.m.	Applications of micro/nano-bubbles in nutrient solution to promote growth and yield of muskmelon <i>Le Quy Tung, Vishnu Thonglek, and Chiti Sritontip</i>
12.45-01.00 p.m.	Development of a microinjection system for the leafhopper <i>Matsumuratettix hiroglyphicus</i> (Matsumura), vector of sugarcane white leaf disease <i>Kamonrat Suwanchaisri and Jureemart Wangkeeree</i>
01.00-01.15 p.m.	Effects of BA and NAA on growth and development of sweet potato tissue culture <i>in vitro</i> <i>Parichat Gleepnet, Piengpim Chidburee, Siripun Sarin, Pitak Puttawanchai and Aphichat Chidburee</i>
Session II	Chairperson: Asst. Prof. Dr. Saithong Kaewchai Faculty of Agriculture, Princess of Naradhiwas University, Naradhiwas, Thailand Secretary: Mr. Sorrasir Tatirat Student, Rajamangala University of Technology Lanna, Main Campus, Chiang Mai, Thailand
01.20-01.35 p.m.	Spray drying of <i>Bacillus amyloliquefaciens</i> for controlling rice diseases <i>Usmana Meehae, Jutarut Iewkittayakorn, Aunkamol Kumngen, Wilaiwan Chotigeat, Sudarat Suwannarat, Sukhuman Whankaew and Siwapong Leunram</i>
01.35-01.50 p.m.	Effects of humic acid on growth and development of melon in nutrient solution culture



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	<i>Pimrumpa Samran, Parinyawadee Sritontip, Chiti Sritontip</i>
01.50-02.05 p.m	Effect of ozone micro/nano bubbles on longan shelf life extension <i>Panadda Kidtuengkun, Preuk Choosung, Parinyawadee Sritontip and Chiti Sritontip</i>
Room II: Agricultural Biotechnology, Food Technology, and Miscellaneous	
Session I	Chairperson: Dr. Pornsin Keantho Rajamangala University of Technology Lanna, Phitsanulok Campus, Thailand Secretary: Miss Panadda Panyakham Student, Rajamangala University of Technology Lanna, Phitsanulok Campus, Thailand
12.30-12.45 a.m.	Rapid screening of conjugated linoleic acid production capabilities of bacteria isolates from goat (ANS) rumen fluid samples <i>Lukman Abiola Oluodo, Chirawath Phatsara, Chompunut Lumsangkul, Patipan Hnokaew, Prayad Trirawong, Saowaluck Yammuan-Art</i>
12.45-01.00 p.m.	Detection of <i>Bacillus cereus</i> group and emetic <i>Bacillus cereus</i> group strains in milk using multiplex polymerase chain reaction <i>Jintana Pheepakpraw, Chanita Sinchao, and Thararat Chitov</i>
01.00-01.15 p.m.	Use of color sensor device with resazurin test for rapid screening of raw milk with low microbiological quality <i>Chayapon Thanasirikul, Atit Pathumwan, David Lipsky, Sakunnee Bovonsombut, Pisith Singjai, Ekkarat Boonchieng, Thararat Chitov</i>
Session II	Chairperson: Dr. Lalita Siriwattananon Faculty of Agricultural Technology, Rajamangala University of Technology Thanyaburi, Pathumthani, Thailand Secretary: Miss Kanittha Sookkerd Student, Faculty of Agricultural Technology, Rajamangala University of Technology Thanyaburi, Pathumthani, Thailand
01.20-01.35 p.m	Utilization of goat milk kefir as probiotic ice cream with the addition of mono-acyl glycerol <i>Muhammad Fajrul Arief, Ria Dewi Andini, Djalal Rosyidi and Lilik Eka Radiati</i>
01.35-01.50 p.m	A fundamental approach to monitoring paraoxon hydrolyzation by phosphotriesterase based on pH-ISFET sensor measurement <i>Ilham Maulidin, Wakako Tsugawa, Endang Warsiki, Mulyorini Rahayuningsih</i>
01.50-02.05 p.m	Smart animal healthcare application <i>Panapeam Tangwannawit and Pongthawath Viriyawan</i>
02.05-02.30 p.m.	Closing remarks

*Bangkok time