

Poster Presentation Program

6th June 2025

15.00 - 17.00

Oral Presentation Program

Time\Room	Room 1 (CB1310)	Room 2 (CB1312)	Room 3 (CB1314)	Room 4 (CB1320)	Room 5 (CB1220)
7 th June 2025	Kaeng Oom	Cap Moo	Rod Duan	Jin Som	Nam Phrik Ong
8.30 - 8.45	MATH01	CHEM01	PHYS01	BIOL01	PHYS19
8.45 - 9.00	MATH02	CHEM02	PHYS02	BIOL02	PHYS20
9.00 - 9.15	MATH03	CHEM03	PHYS03	BIOL03	PHYS21
9.15 - 9.30	MATH04	CHEM04	PHYS04	BIOL04	PHYS22
9.30 - 9.45	MATH05	CHEM05	PHYS05	BIOL05	PHYS23
9.45 - 10.00	MATH06	CHEM06	PHYS06	BIOL06	PHYS24
10.00 - 10.30	Break				
10.30 - 10.45	MATH07	CHEM07	PHYS07	BIOL07	BIOL21
10.45 - 11.00	MATH08	CHEM08	PHYS08	BIOL08	BIOL22
11.00 - 11.15	MATH09	CHEM09	PHYS09	BIOL09	BIOL23
11.15 - 11.30	MATH10	CHEM10	PHYS10	BIOL10	BIOL24
11.30 - 11.45	MATH11	CHEM11	PHYS11	BIOL11	BIOL25
11.45 - 12.00	MATH12	CHEM12	PHYS12	BIOL12	BIOL26
12.00 - 12.15	MATH13			BIOL13	BIOL27
12.15 - 13.15	Break				
13.15 - 13.30	MATH14	CHEM13	PHYS13	BIOL14	BIOL28
13.30 - 13.45	MATH15	CHEM14	PHYS14	BIOL15	BIOL29
13.45 - 14.00	MATH16	CHEM15	PHYS15	BIOL16	BIOL30
14.00 - 14.15	MATH17	CHEM16	PHYS16	BIOL17	BIOL31
14.15 - 14.30	MATH18	CHEM17	PHYS17	BIOL18	BIOL32
14.30 - 14.45	MATH19	CHEM18	PHYS18	BIOL19	BIOL33
14.45 - 15.00	MATH20	CHEM19		BIOL20	BIOL34

Detailed Oral Presentation Program

7th June 2025

Room 1 (CB1310):		Kaeng Oom (แก่งอ้อม)		
Time	Code	Title	Presenter	Affiliation
8.30 - 8.45	MATH01	Alexander Quandles of order 32	Jessada Veerakul	Mahidol University
8.45 - 9.00	MATH02	The Diophantine Equation on Bipolar	Witchaya Vittayasatthakul	Walailak University
9.00 - 9.15	MATH03	On the Diophantine Equation $3^x+5^u-17^v-19^w=z^2$	Poonyanoot Khanom	Walailak University
9.15 - 9.30	MATH04	Solutions of the Diophantine equation $n^x+(7p)^y=z^2$	Sirawich Luengaksorn	Prince of Songkla University
9.30 - 9.45	MATH05	Regularity of the self-E-preserving transformations semigroup on an invariant set	Thawatchai Sripinpao	Naresuan University
9.45 - 10.00	MATH06	On α -Bases of Semigroups	Patipan Nillaphant	Khon Kaen University

Time	Code	Title	Presenter	Affiliation
10.30 - 10.45	MATH07	Finding a b-matching that Embeds the Maximum Number of Edge Pairs in a Given Set	Siraphob Buahong	Chiang Mai University
10.45 - 11.00	MATH08	The number of Homomorphisms from the Cartesian product of paths $P_n \times P_2$ to the path P_n	Pharinda Sonngam	Chiang Mai University
11.00 - 11.15	MATH09	Fixed Point Iterations in Metric Trees	Watchara Yuchue	Khon Kaen University
11.15 - 11.30	MATH10	An iterative method for solving convex bilevel federated optimization problem	Sudkobfa Boontawee	Khon Kaen University
11.30 - 11.45	MATH11	Vandermonde determinant and Its Applications	Ailada Sukoju	Silpakorn University
11.45 - 12.00	MATH12	Fibonacci Sequences in the Möbius Gyrovectors Space	Tarid Suwansri	Walailak University
12.00 - 12.15	MATH13	Application of Haar Wavelet Method for Solving Differential Equations	Ratchadawan Kanpian	Chiang Mai University

Time	Code	Title	Presenter	Affiliation
13.15 - 13.30	MATH14	Predicting Silpakorn Pradit Acrylic Color Combinations Using Saunderson Correction and the Kubelka-Munk Theory	Thanawat Jantee	Silpakorn University
13.30 - 13.45	MATH15	Enhancing Automated Glaucoma Prediction with Multi-View Deep Learning and Image Inpainting on Retinal Fundus Images.	Thitima Muangphara	Naresuan University
13.45 - 14.00	MATH16	OPG-SPeLL: Visual and Textual Explanations that Influence Understanding of the AI Model for Sex Prediction from Orthopantomograms	Lapatrada Dangsungnoen	Khon Kaen University
14.00 - 14.15	MATH17	Comparison of single models and hybrid models for predicting the prices of The Magnificent 7	Neramith Wandee	Silpakorn University
14.15 - 14.30	MATH18	Cryptocurrency Carry Portfolio	Anupat Saejong	Kasetsart University
14.30 - 14.45	MATH19	An Adaptive Moving Total Least Squares (AMTLS) Strategy with Fixed Return of Investment in Gold Markets	Supaporn Orathai	Khon Kaen University
14.45 - 15.00	MATH20	Hypothesis Tests for Difference in Zero-Truncated Poisson Parameters	Ratthapoom Phuemchai	Chulalongkorn University

Room 2 (CB1312):		Cap Moo (แคหมู)		
Time	Code	Title	Presenter	Affiliation
8.30 - 8.45	CHEM01	Gram-Scale Synthesis and QSAR-Driven Development of Psoralen Derivatives for Cancer Therapeutics	Choosak Jaroenrit	Chulalongkorn University
8.45 - 9.00	CHEM02	Porous Organic Polymers Containing Redox-Active Disulfide as Electrode Materials for High-Performance Lithium-Sulfur (Li-S) Batteries	Wittawat Punyaarthansakun	Chiang Mai University
9.00 - 9.15	CHEM03	Binding Study of Compounds From Centella asiatica Targeting Alzheimer's Disease Using Molecular Dynamics (MD) Simulations	Warunyu Chockchowwat	Kasetsart University
9.15 - 9.30	CHEM04	Influence of different heteroatom, pi-expansion, and additional proton transfer site for ESIPT of the 2-(2-hydroxyphenyl)benzazoles and their derivatives relieving anti-aromaticity	Sarawut Buala	Chiang Mai University
9.30 - 9.45	CHEM05	Carbon Monoxide and Photodynamic Therapy Delivered from a Single Nanoplatform for Synergistic Anticancer Treatment	Chaiyapat Nabglang	Suranaree University of Technology
9.45 - 10.00	CHEM06	Investigation of the Enzymatic Activity and Characteristics of EPSPS Isoforms A, B, and D in Wheat (<i>Triticum aestivum</i>)	Sakuna Wongchai	Kasetsart University

Time	Code	Title	Presenter	Affiliation
10.30 - 10.45	CHEM07	The study of natural products from <i>Biscogniauxia capnodes</i> SWUF15-40 fungus	Thanakit Sangjam	Khon Kaen University
10.45 - 11.00	CHEM08	Synthesis of L-ristosamine for Glycosylation of 8-O-Methylfusarubin Analogues	Kanlaya Kanjanasamranwong	Prince of Songkla University
11.00 - 11.15	CHEM09	Photophysical Properties and Relief of Excited-State Antiaromaticity upon Proton Transfer of 2-(2'-Hydroxyphenyl)benzothiazole and its Derivatives	Thanapat Charoenkitkaset	Chiang Mai University
11.15 - 11.30	CHEM10	A composite hydrogel beads sorbent for miniaturized solid phase extraction of parabens and synthetic phenolic antioxidants in food	Patamawadee Phalipat	Walailak University
11.30 - 11.45	CHEM11	Adsorption of Antibiotics and Bioactivity of Polymer-Calcium Phosphate Composites	Juthamart Norasing	Khon Kaen University
11.45 - 12.00	CHEM12	Adsorption of Antibiotics and Bioactivity of Polymer-Calcium Phosphate Composites	Nisita Samart	Khon Kaen University

Time	Code	Title	Presenter	Affiliation
13.15 - 13.30	CHEM13	Synthesis of Phosphorus-Doped Molybdenum-Nickel Disulfide Alloy on Humin-Derived Conducting Carbon for Electrocatalytic Hydrogen Evolution Reaction Applications.	Rosemencee Malinee	Walailak University
13.30 - 13.45	CHEM14	Structure-Function Relationship of Bioinspired Nickel Catalysts for Hydrogen Evolution Reaction	Yanit Lunprom	Mahidol University
13.45 - 14.00	CHEM15	Molecular Rotor-Based Near-Infrared (NIR) Fluorescent Probe for Viscosity Sensing	Wisaruta Junjai	Suranaree University of Technology
14.00 - 14.15	CHEM16	Colorimetric Paper-based Analytical Device of Fluoride Detection	Wisa Phattharawetwivat	Prince of Songkla University
14.15 - 14.30	CHEM17	Enhancing Berberine Dye Adsorption on Silk Yarn Modified with Titanium Dioxide Nanoparticles (TiO2 NPs)	Areeya Langthoh	Walailak University
14.30 - 14.45	CHEM18	Green Synthesis of Silver Nanoparticles using Green Tea Leaf Extraction as an Additive in High-density Polyethylene Fibers with Enhanced Anti-algal Properties	Phuminan Chaloemsawatwong	Khon Kaen University
14.45 - 15.00	CHEM19	Berberine Dye Adsorption on Modified Silk Yarn with Silver Nanoparticles (AgNPs) via Green Synthesis using Thai Dark Purple Glutinous Rice (<i>Oryza sativa</i> L.) Extract	Natthaphong Naksithong	Walailak University

Room 3 (CB1314):		Rod Duan (รอต่วน)		
Time	Code	Title	Presenter	Affiliation
8.30 - 8.45	PHYS01	Investigation of the Electronic Structure of the Organic Cathode Material $\text{Na}_x\text{C}_6\text{O}_6$ ($2 \leq x \leq 4$) for Sodium-Ion Batteries	Kobkiat Hongphuai	Khon Kaen University
8.45 - 9.00	PHYS02	Analysis, interpretation and comparison of results from the TT-1 experimental data	Kasidit Piekbut	Prince of Songkla University
9.00 - 9.15	PHYS03	Construction of Atomic Magnetometer based on Rb-87	Nadhnatee Tiamchaiyaphumi	Chiang Mai University
9.15 - 9.30	PHYS04	Integrated Dual Energy Storage Solar System: Portable Solutions for Emergency	Chattarin Muensuksaeng	Chulalongkorn University
9.30 - 9.45	PHYS05	Assessment of radiation doses received by patients and medical personnel undergoing body interventional radiology at Srinagarind Hospital	Pooripat Pajapo	Khon Kaen University
9.45 - 10.00	PHYS06	Noise estimation for optical atomic clocks using spectator-qubit sensing and control	Thapawat Muensuwan	Mahidol University

Time	Code	Title	Presenter	Affiliation
10.30 - 10.45	PHYS07	Investigation of the Thermoelectric Performance of Alloy Material h-SiGe_{1-x}	Teeranon Panphinit	Khon Kaen University
10.45 - 11.00	PHYS08	Evaluating the Interchangeability of Common Amplitude Metrics in EEG Signal Analysis	Kasidach Rasitanon	Prince of Songkla University
11.00 - 11.15	PHYS09	Thailand Tokamak 1 plasma scenarios investigations using CRONOS code	Faneel Nontree	Prince of Songkla University
11.15 - 11.30	PHYS10	Application of Near-Infrared Spectroscopy and Machine Learning for Soil Classification	Tongtath Tongsamsi	Prince of Songkla University
11.30 - 11.45	PHYS11	Orbital simulations of the Hilda asteroids	Nijjaree Khwankaew	Prince of Songkla University
11.45 - 12.00	PHYS12	Predicting Supermassive Black Hole Masses in Active Galactic Nuclei using Neural Network.	Athijit Leksansern	Suranaree University of Technology

Time	Code	Title	Presenter	Affiliation
13.15 - 13.30	PHYS13	Traversable Wormholes in $f(R,T)$ gravity	Pornpatara Chuvala	Walailak University
13.30 - 13.45	PHYS14	Morphological Parameters of Local Galaxies from SDSS Survey	Punnapha Malelohit	Mahidol University
13.45 - 14.00	PHYS15	The Study of Cherenkov Radiation Mechanism and Power Spectrum Calculation in Classical Electrodynamics Context	Thiraphat Thongngamdee	Naresuan University
14.00 - 14.15	PHYS16	Developing Machine Learning Datasets for Predicting PIXE Spectrum	Banyapon Somboon	Chiang Mai University
14.15 - 14.30	PHYS17	Mass spectrum of Heavy Quarkonia	Chatchawan Bunjongcharoen	Walailak University
14.30 - 14.45	PHYS18	Software Correction of Wavelength Shifts in an In-house Fourier Transform Spectrometer for Solar Spectroscopy	Darapan Chotiphun	Silpakorn University

Room 4 (CB1320):		Jin Som (จินส้ม)		
Time	Code	Title	Presenter	Affiliation
8.30 - 8.45	BIOL01	Cytogenetics of Siamese Leaf-toed Gecko (<i>Dixonius siamensis</i>) from Muak Lek District, Saraburi Province by Classical and Fluorescence in situ Hybridization Techniques	Thanwasa Suphaluck	Khon Kaen University
8.45 - 9.00	BIOL02	Cytogenetics of Ranong Leaf-toed Gecko (<i>Dixonius dulayaphitakorum</i> Sumontha & Pauwels, 2020) by Classical and Fluorescence in situ Hybridization (FISH) Techniques	Pawinee Butsambor	Khon Kaen University
9.00 - 9.15	BIOL03	Marine Jurassic bivalves from Mae Sot, Tak province, western Thailand	Katakrit Chaisuwan	Prince of Songkla University
9.15 - 9.30	BIOL04	The origin of ancestral cylindrical millipede genus <i>Coxobolellus</i> Pimvichai, Enghoff, Panha & Backeljau, 2020	Kittin Preechasirichoke	Khon Kaen University
9.30 - 9.45	BIOL05	Meiofaunal assemblage along a salinity gradient in the Songkhla lake	Anucha Po-In	Prince of Songkla University
9.45 - 10.00	BIOL06	Investigating the effects and mechanisms of torularhodin from <i>Rhodotorula paludigena</i> CM33 on mesenchymal stem cell proliferation and differentiation	Jirapat Phongprayoon	Suranaree University of Technology

Time	Code	Title	Presenter	Affiliation
10.30 - 10.45	BIOL07	D-Galactose-Accelerated Microglial Senescence: A Potential Role for the RAGE Signaling Pathway	Poramet Klangmongkon	Mahidol University
10.45 - 11.00	BIOL08	Study of the ability of <i>Parkia speciosa</i> extract to inhibit Human papillomavirus in cervical cancer cell HeLa and CaSki	Lapasladar Roengmanee	Kasetsart University
11.00 - 11.15	BIOL09	Screening of P450 Enzyme Inhibitors for Controlling Multiple-Herbicide-Resistant Weeds Using Molecular Docking and Molecular Dynamics Simulation	Natchaphon Fo-Ud	Chiang Mai University
11.15 - 11.30	BIOL10	Expression of ROS-Scavenging Genes in Rubber Trees: A Strategy for TPD Prevention and Breeding	Mokmetha Meechan	Mahidol University
11.30 - 11.45	BIOL11	Nutritional value, physicochemical properties and invitro digestibility of hydrothermally treated bread crumbs	Pattaraporn Kaewcharoen	Prince of Songkla University
11.45 - 12.00	BIOL12	Effects of Paradoxical Sleep Deprivation on Local Field Potential Signals in Reward-Related Brain Regions in Mouse Model	Sagonputr Chayajet	Prince of Songkla University
12.00 - 12.15	BIOL13	Effects of Arbuscular Mycorrhizal Inoculation on Mycorrhizal Growth Responses under Sterile and Native Soils from Agroecosystems	Songpon Taenpramoon	Prince of Songkla University

Time	Code	Title	Presenter	Affiliation
13.15 - 13.30	BIOL14	Effect of light quality on plumbagin production of <i>Drosera communis</i> in temporary immersion system	Thanissorn Boonyot	Naresuan University
13.30 - 13.45	BIOL15	Phytotoxicity and genotoxicity evaluation of some plant species under photodegraded norfloxacin and ofloxacin	Teeraya Srikakul	Khon Kaen University
13.45 - 14.00	BIOL16	Integrating Empirical and Modeling Approaches to Assess Cadmium-Induced Root Trait Alterations and their Influences on Nitrate Uptake in Rice IR64 and KDML105 Varieties	Wirassaya Tobdan	Mahidol University
14.00 - 14.15	BIOL17	Melanomacrophages and melanomacrophage centers in liver and spleen of rice frog <i>Fejervarya limnocharis</i> (Gravenhorst, 1829) living in herbicide utilized agricultural areas in Nan Province, Thailand	Patipan Sangkanarubordee	Chulalongkorn University
14.15 - 14.30	BIOL18	Isolation and identification of bacteria from fruiting body and spent substrates of <i>Pleurotus ostreatus</i>	Chatuphon Yiamsiriwut	Silpakorn University

Time	Code	Title	Presenter	Affiliation
14.30 - 14.45	BIOL19	Proteomics in associated with light response and photomorphogenesis in transgenic roots of <i>Mitracarpus hirtus</i>	Sangtien Satirawattanakul	Mahidol University
14.45 - 15.00	BIOL20	Production of <i>Candida Antarctica</i> Lipase B (CALB) enzyme using <i>Pichia pastoris</i> yeast	Chanakan Boondet	Naresuan University

Room 5 (CB1220):		Nam Phrik Ong (นำพริกอ่อนง)		
Time	Code	Title	Presenter	Affiliation
8.30 - 8.45	PHYS19	Superconductor Properties from Black Hole Solution	Worapat Namman	Khon Kaen University
8.45 - 9.00	PHYS20	Mass Spectrum of the Delta Baryon	Thanaporn Chimruang	Walailak University
9.00 - 9.15	PHYS21	Holonomic Control of Solid-State Qubit Transition using Nitrogen-Vacancy Center in Diamond	Phojet Sudjit	Suranaree University of Technology
9.15 - 9.30	PHYS22	Electron-Phonon Coupling and Phonon-Limited Carrier Mobility in Hexagonal Silicon-Germanium Alloys	Natthakit Yotkham	Khon Kaen University
9.30 - 9.45	PHYS23	Data-Driven Detection of Hand, Foot, and Mouth Disease Outbreaks in Thailand Using Machine Learning	Pakorn Lonlab	Naresuan University
9.45 - 10.00	PHYS24	Simulation of the Muon Beam Induced by the Electron Beam at SLRI	Phuriphat Intanit	Suranaree University of Technology

Time	Code	Title	Presenter	Affiliation
10.30 - 10.45	BIOL21	Training of HPLC for Metabolome Analysis of Plant Growth Promoting Bacteria.	Kantaya Kethom	Khon Kaen University
10.45 - 11.00	BIOL22	Genome-scale metabolic model reconstruction and validation for predicting biomass and LL-37 peptide production in the probiotic <i>Lactiplantibacillus plantarum</i> WCFS1	Krittapas Angkanawin	Kasetsart University
11.00 - 11.15	BIOL23	Validation of Published Model for Aptamer – HPV Virus Docking Prediction	Sita Choedchuthirakun	Suranaree University of Technology
11.15 - 11.30	BIOL24	Development of a specific and portable test kit for the detection of Sugarcane Mosaic Virus (SCMV)	Tadsakamon Loima	Suranaree University of Technology
11.30 - 11.45	BIOL25	Generation of L-form <i>Clostridioides difficile</i> for phage genome engineering	Jiranan Apikusalophakorn	Mahidol University
11.45 - 12.00	BIOL26	Exploring the Potential of a Bacteriophage-Palm Oil Prototype for Treating <i>Acinetobacter baumannii</i> -Induced Skin Infections.	Chonradee Junpongsri	Walailak University
12.00 - 12.15	BIOL27	Heat Tolerant Mechanisms and Growth-Promoting Potential of <i>Streptomyces thermocarboxydis</i> isolate S3 for Kale (<i>Brassica oleracea</i> var. <i>sabellica</i>) Cultivation	Ruksita Yawichai	Chiang Mai University

Time	Code	Title	Presenter	Affiliation
13.15 - 13.30	BIOL28	Antifungal properties against pathogenic fungi in maize and cellulase production activity of actinomycetes from mangrove forests	Supawadee Jampates	Kasetsart University
13.30 - 13.45	BIOL29	Exploring Bacteria Isolated from Wastewater for Efficient Biodegradation of Azo Dyes	Nijchaya Threepla	Suranaree University of Technology
13.45 - 14.00	BIOL30	Enhancing the Production of Indigo and Its Derivatives in <i>Assam Indigo</i> or <i>Hom</i> (<i>Strobilanthes cusia</i>) Using Foliar Substrate Spenching Method and Photo-selective Shade Nets	Yossaworn Chumak	Mahidol University
14.00 - 14.15	BIOL31	Integrative taxonomy of <i>Goniiothalamus</i> sp. (Annonaceae) from Thailand: morphological & molecular insights	Pimjan Narintarangkul Na Ayuthaya	Chiang Mai University

Time	Code	Title	Presenter	Affiliation
14.15 - 14.30	BIOL32	Comparative Morphology and Pollen Morphology of <i>Xylocarpus granatum</i> and <i>Xylocarpus moluccensis</i> (Meliaceae)	Apinya Sukantatul	Kasetsart University
14.30 - 14.45	BIOL33	The Phylogenetic Position of some <i>Curcuma</i> Species (Zingiberaceae) in Thailand, some Characters Evolution, and the Identification of Selected Plants with Species Complex	Thanagrit Chaiphian	Walailak University
14.45 - 15.00	BIOL34	The Moss Genus <i>Octoblepharum</i> (Octoblepharaceae, Bryophyta) in Thailand	Kreeta Chanakarn	Prince of Songkla University