THE 3RD INTERNATIONAL CONFERENCE ON
BIODIVERSITY SCIENCE AND TECHNOLOGY
Mahasarakham University
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Poster Presentation – Session 8

Youth Researcher and Emerging Scientists Forum (Junior Researcher)

Date: Thursday 16th January 2026

Room: Ratchaphruek 4-6, Avani Khon Kaen Hotel & Convention Centre, Khon Kaen

Registration	Setting up Time:	Poster Removal Time:
08.00 – 09.20	08.00 – 09.20	12.30 onwards

Session 8: Group-I

Board number	Paper ID	Project Title	Time
P-01	9	**Generation of Reporter Plasmid with NF-κB Responsive Element for Screening Anti-Inflammatory Plants** *Authors*: Papitchaya Phankaew, Pavarisa Chumkomon, Premnaphat Phumchan and Asst. Prof. Dr. Chutamas Thepmalee	09.30-09.40
P-02	10	**Real-Time Gaze Tracking Based on Convolutional Neural Networks Using Webcam Input** *Authors*: Arnak Tiyavoranan, Korn Kleangkird and Siriporn Sakboonyarat	09.40-09.50
P-03	11	**Comparison of Microbial Quantity on Surfaces of Everyday Objects and Cleaning with Natural Antibacterial Agents.** *Authors*: Apisada Thammasri, Thanyarat Namwong, Supawika Sittiboon and Wutthisak Bunnaen	09.50-10.00
		Refreshment Break	
P-05	32	**Sustainable Synthesis of N-Doped Carbon Dots from Dye Wastewater and Their Antimicrobial Properties for Enhanced Fruit Preservation** *Authors*: Phasit Butwang, Kasidat Bualad, Lerluck Duangkang, Kittiphon Khunanoppharat, and Apipong Putkham	10.20-10.30
P-06	23	**Bio-Litter: Innovative Biodegradable Cat Litter from Agricultural Waste for Sustainable Environment** *Authors*: Chutikan Ngambutda, Sarisa Wijarn and Phakhwan Dungseeda	10.30-10.40
P-07	30	**Spatial Distribution of Microplastics in the Middle Chi River Influenced by a Provincial Urban Area and Waste Management Site** *Authors*: Kawintra Ruangwittayanusorn, Jiratchaya Chaisoda, Shaliena Keller, and Pattira Kasamesiri	10.40-10.50
P-08	31	**Ligand-Assisted Copper Oxide Nanocoating on Polyester for Antimicrobial and Biomedical Textiles** *Authors*: Lalalita Pimpila, Onprapa Somsanguan, Janinyada Anthali, Arayaporn Mongkol, Audchara Saenkham, Aphidech Sangdee, and Chatthai Kaewtong	10.50-11.00
P-09	16	**Overcoming DataSet Limitations: Using AI-Generated Images to train VGG16 Recognition Models** *Authors*: Aiyarin Arunthammasak, Rajitha Phraephrewngarm and Natthaphat Manasompong	11.00-11.10

Session 8: Group-II

Board number	Paper ID	Project Title	Time
P-10	110	**The Leaf Epidermis Anatomy in Some Species the Rutaceae Family** *Authors*: Kotchaklao Mahasean, Irada Sitsirat, Nutkamon Nuntapet, Nopphanun Kanitthaisong	09.30-09.40
P-11	35	**Comparison of molluscan species consumed by Molluscivorus Catfish *Helicophagus leptorhynchus* Ng & Kottelat, 2000 from the Chi River at Maha Sarakham Province, northeastern Thailand, between Year 2010 and 2025** *Authors*: Tinnaphop Tumpeesuwan, Thapanan Chomnawang, Kittiphon Khunanopparat, and Wutthisak Bunnaen	09.40-09.50
P-12	37	**Development of a Sustainable Deep Eutectic Solvent–Based Cooling Gel for Personal Healthcare Application** *Authors*: Techit Lukkipiniskul, Traiwit Lukkipiniskul and Chalida Niamnuy	09.50-10.00
		Refreshment Break	
P-13	41	**Development of a Non-Invasive Optical Innovation for Blood Glucose Measurement Using Glucose Response in Pig Blood for Application in Diabetic Patients.** *Authors*: Kalyarat Mahawan, Nachariya Wongnor, Piyakorn Numim and Dendanai Luerat	10.20-10.30
P-14	45	**Development and Testing of a Non-Invasive Optical Bilirubin Meter Using Curcumin Response in Pig Blood as a Model for Neonatal Jaundice** *Authors*: Kodchaphan Nanan, Pedparethong Kiddee, Siripatchaya Tawai, Piyakorn Numim and Dendanai Luerach	10.30-10.40
P-15	46	**Detection of EGFR Mutations in Plasma Using a Piezoelectric Biosensing Platform** *Authors*: Jirayu Pranpreechakhul, Chatchapon Karnjanawatee, Patimaporn Meekaew and Sanong Suksaweang	10.40-10.50
P-16	48	**Phyto Stem Cells of Poisonous plants as innovation in food & drug's learning system for the future** *Authors*: Panattapong Areesomboon, Pantharee Songkhamchum, Hathairat Luksuk and Chatchawal Wongchai	10.50-11.00
P-17	50	**The study of phytochemical contents and cytotoxicity of *Eleutherine palmifolia* (L.) Merr extract in trophoblast cells** *Authors*: Phitchapha Sangphet, Jenisa Khenaphum, Thanpinya Kanti and Wittaya Chaiwangyen	11.00-11.10
P-18	105	**Biocontrol Potential of Endophytic Bacteria Isolated from Zingiberaceae Plants Against Soil-Borne Fungal** *Authors*: Rungphailin Wanlanon, Rujisaya Pontri, Anitta Kongsuk and Aphidech Sangdee	11.10-11.20

Session 8: Group-III

Board number	Paper ID	Project Title	Time
P-19	111	**Leaf Anatomy and Micromorphology on the Genus *Mitragyna* (Rubiaceae) in Thailand** *Authors*: Chanoknan Sukkumnurd, Kanyanat Kongkaew, Samita Salajan, Nopphanun Kanitthaisong	09.30-09.40
P-20	55	**A study on the anatomy and palynology of *Mammea harmandii* (Pierre) Kosterm. (Calophyllaceae)** *Authors*: Donratda Plukpetpisan, Thaksaporn Whansiang, Sirikorn Punkui and Boonchaung Boonsuk	09.40-09.50
P-21	57	**Antioxidant Potential of *Gardenia sootepensis* Hutch. Extract Evaluated by the DPPH Assay** *Authors*: Pichamon Inpunya, Suphapitch Khumtua, and Rattiya Na Ubol	09.50-10.00
		Refreshment Break	
P-22	59	**Microplastics** *Authors*: Natthicha Promha, Parichat Phochanukoon, Siraphat Chaechaiyaphum and Chonlatip Janjumpa	10.20-10.30
P-23	60	**Experimental Comparison of Four Feeding Substrates on the Growth Performance of *Hermetia illucens* Larvae** *Authors*: Kulnasorn Jantawang and Phornprapa Saenluang	10.30-10.40
P-24	66	**What's in Their Kiss? Unveiling the Oral Bacteriome of Dogs and Cats** *Authors*: Nisachon Chaowang, Phimchaya Srisomporn, Phiramada Anu-an, Nuchsupha Sunthamala	10.40-10.50
P-25	67	**Cytogenetic Evaluation of Nile Tilapia (Oreochromis niloticus) as a Bioindicator of Water Quality in the University of Phayao Aquatic System** *Authors*: Motanapond Kantiphan, Supalak Yaiwong, Hathairat Laksuk, Wipasiri Soonthornchai and Kriengkrai Seetapan	10.50-11.00
P-26	68	**Ai-Powered Thalassemia Risk Assessment: Leveraging Red Blood Cell Features for Precision Diagnosis** *Authors*: Jarupoom Keawkham, Patcharaphon Surinlert, Wanpisut Nonrungrueng and Thitiya Theparod	11.00-11.10
P-27	69	**Brain Shape Diversity in Thai Crocodylians: A Geometric Morphometric Study of Cranial Endocasts via CT Imaging** *Authors*: Narawadee Tuisimma, Sirikorn Sungchawake, Suchanyaporn Manochat, Parinya Thanoi and Komsorn Lauprasert	11.10-11.20

Session 8: Group-IV

Board number	Paper ID	Project Title	Time
P-28	112	**Leaf epidermis micromorphology of subfamily Bambusoideae (Poaceae) In Mahasarakham University** *Authors*: Aiwarin Raksa-in, Punyawee Pariwantang, Tanawat Tongsukh, Nopphanun Kanitthaisong	09.30-09.40
P-29	76	**Comparative Decomposition Rates of Food Waste by Black Soldier Fly Larvae** *Authors*: Chayangkool Sinthukhot, Natthawut Chantason, Peeranat Nachanthong and Nakorn Pradit	09.40-09.50
P-30	77	**Prevalence of Intestinal Parasites in Free-Grazing Ducks in Surat Thani Province** *Authors*: Kanyalin Damnil, Nataradee Rompotong and Poonnapa Warunyurattana and Teputid Kuasit	09.50-10.00
		Refreshment Break	
P-31	78	**Priestia megaterium and Pantoea sp. tolerance to salinity and pH** *Authors*: Aphichaya Khodna, Anyarat Luangthepnimit and Wipasiri Soonthornchai	10.20-10.30
P-32	92	**Triterpenoids and antioxidant evaluation of *Phellinus rimosus* mycelial extract and their application in an innovative orodispersible film** *Authors*: Apitchaya Poltue Phailin Seeda1 Pornnapat Pantarit, Asst.Prof.Dr. Wanwisa Khunawattanakul, Assoc.Prof.Dr. Prasoborn Rinthong, and Assoc. Prof. Dr. rer. nat. Panida Loutchanwoot	10.30-10.40
P-33	95	**Design and Development of a High-Intensity Ultraviolet Radiation and Fluctuating Magnetic Field System towards Advanced Experimental Applications** *Authors*: Kanokorn Sungkasing, Kamonchanok Saenkompa, Jirawat Sannok and Asst. Prof.Supakorn Harnsoongnoen	10.40-10.50
P-34	101	**Development of A Gummy Formula Containing Cinnamon and Chlorpheniramine Maleate for the Relief of Allergy Symptoms** *Authors*: Ainthira Malithong, Bussiri Srisupat, Paiya Martluplao and Bunleu Sungthong	10.50-11.00
P-35	103	**MoveMate: The Ergonomic Exercise Device for Chronic Office Workers** *Authors*: Chayapim Assawasukee, Clarita Baiphongwongse and Natcha Limchuvong	11.00-11.10
P-36	51	**Pathogens Intestinal Parasitic Contamination in Fresh Vegetables Sold in Local Markets of Maha Sarakham** Province, Northeast Thailand *Authors*: Nipun Chaimoon, Yutthapat Siriburee, Tinnaphop Tumpeesuwan and and Weerachai Saijuntha	11.10-11.20

Session 8: Group-V

Board number	Paper ID	Project Title	Time
P-37	34	**Antibacterial Activity of Cinnamomum verum Extracts Against Multidrug-Resistant Bacterial Pathogens** *Authors*: Sasilada Chinchang Katanan and Surachai Rattanasuk	09.30-09.40
P-38	53	**Green synthesis of Cu/Zn in catalytic activity and their applications** *Authors*: Tanachot Chaiwong, Waratchaya Wichajaroen and Suttasinee Katanyoo	09.40-09.50
P-39	71	**Effect of gelling agents on the characteristics of oral mucoadhesive gel of *Chromolaena odorata* leaf extract** *Authors*: Naphatsawan Jampalee, Nuttapat Yindee, Patcharatheera Meethaisong and Catheleeya Mekjaruskul	09.50-10.00
		Refreshment Break	
P-40	113	**Studies on the Leaf Anatomy of some species in tribe Oryzeae (Poaceace) in Thailand** *Authors*: Suthasinee Thanharn, Jidapha Veluvannai, Vinitra Narin, Nopphanun Kanitthaisong	10.20-10.30
P-41	114	**Prevalence of Intestinal Parasites in Wildlife in Chaiyaphum Province** *Authors*: Phonkit Korsakul, chanunnathee weeraphatsophon and Pawasan Jinaporntham	10.30-10.40
P-42	133	**Influence of Acid–Base conditions on soybean protein stability and peptide production** *Authors*: Kwanpracha Chidchua, Nontacha Roopleam, Thithat Hwankiang, Suphaporn Phimwapi, Thanrada Sansupan, La-or Somsakeesit5 and Watcharin Chumjan	10.40-10.50
P-43	138	**Variations in Urinal Design and Spacing Across Academic Buildings: Evidence from Mahasarakham University** *Authors*: Kasidat Bualad, Chakkarin Khao-on, Wachirawit Nampairoj, and Akeapot Srifa	10.50-11.00
P-44	139	**Prevalence of Intestinal Parasites in Wild boar in Khon Kean Province** *Authors*: Poonnawat Pethpha, Thunrada Matwong, Ariya Auttarit	11.00-11.10
P-45	153	**Evaluation of the Antioxidant and Antibacterial Activities of Extracts from Toothbrush tree, Gotha, Control Sunflower and Selenium Sunflower** *Authors*: Ketmanee Seeakahads, Monvaree Akarasirimongkol, Suthima Donprathum, Piyathida Promjamorn and Vijitra Luang-In	11.10-11.20