



# POSTER PRESENTATION AWARD

## GROUP 1

สาขาวิชาชีววิทยาและการประยุกต์ วิทยาศาสตร์การประมง  
วิทยาศาสตร์สิ่งแวดล้อม วิทยาศาสตร์การเกษตร วิทยาศาสตร์สุขภาพ  
จุลชีววิทยา วิทยาศาสตร์เทคโนโลยีชีวภาพ  
วิทยาศาสตร์และเทคโนโลยีทางอาหาร





# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Phimphaka Saengbun, Yueiji Tanaka and Pattawan Lapo**

for the Poster Presentation entitled

**EFFECT OF HEALTH-RELATED FITNESS AND ARTERIAL STIFFNESS ON SMOKERS:  
COMPARISON OF EXERCISE AND NON-EXERCISE**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Siriporn Kampan, Pichamon Limcharoenchat,  
Chutamas Maneewong and Piyanuch Niamsup**

for the Poster Presentation entitled

EFFECTS OF ORGANIC ACIDS FOR INACTIVATING *ESCHERICHIA COLI* O157:H7 AND  
*STAPHYLOCOCCUS AUREUS* ON TILE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Apithip Suksai and Duangjai Ochaikul**

for the Poster Presentation entitled

EFFECT OF CO-CULTURE OF *ACETOBACTER PASTEURIANUS* AJ 605 AND  
*SACCHAROMYCES CEREVISIAE* VAR. *BOULARDII* ON CHEMICAL QUALITIES  
AND ANTIOXIDANT ACTIVITIES OF KOMBUCHA

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Waraporn Kaewkhon, Sopida Manopattarakul, Thanet Thmmawong,  
Teerapat Chaoyong, Thodsaporn kawirachai and Nikhom Naksupan**

for the Poster Presentation entitled

EFFECT OF SPENT COFFEE GROUNDS WITH RUBBER WOOD SAWDUST SUBSTRATES ON  
THE MYCELIAL GROWTH AND PRIMORDIAL FORMATION OF *AGROCYBE CYLINDRACEA* MAIRE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Thanyalak Pimsalee, Chutamas Maneewong,  
Nissara Kitcharoen and Pairote Wongputtisin**

for the Poster Presentation entitled

ISOLATION AND IDENTIFICATION OF AMMONIA AND NITRITE REMOVING BACTERIA  
FROM NILE TILAPIA POND

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Waraporn Keawkorn, Saowani Khattamart, Tanat Pinyo,  
Sasivimon Wongpradit, Nikom Naksupan and Somboon Kamtaeja**

for the Poster Presentation entitled

ISOLATION OF *TRICHODERMA* FROM SOIL SAMPLE OF THE ARABICA COFFEE PLANTATION  
AT DOI PANG KHON, CHIANG RAI PROVINCE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof. Dr. Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Benyapa Prakit, Patthira Jansiri, Kittiya Khongkool,  
Wankuson Chanasit and Monthon Lertworapreecha**

for the Poster Presentation entitled

SCREENING OF GAMMA AMINOBUTYRIC ACID (GABA) AND ANTI-OXIDANT PRODUCING  
*BACILLUS* ISOLATED FROM THE HONEY OF BEES AND STINGLESS BEES

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof. Dr. Chayan Boonyarak  
Dean of School of Science, University of Phayao





# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Panupong Chommee, Pichamon Wuttiwong, Papon Ganchanasiripong,  
Thongchai Taechowisan and Thanaporn Chuen-im**

for the Poster Presentation entitled

A SURVEY OF *ACTINOMYCETES* IN MANGROVE FORESTS IN THE UPPER GULF OF THAILAND

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Pattinee Kongpradit and Anukul Buranapratheprat**

for the Poster Presentation entitled

THE SIMULATION OF CIRCULATION AND CONTAMINANT DISTRIBUTION IN SEAWATER IN  
THE OFFSHORE SHELLFISH CULTURE AREAS IN SRIRACHA DISTRICT, CHONBURI PROVINCE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Kanyapak Moyadee and Pongrat Dumrongrojwattana**

for the Poster Presentation entitled

DIVERSITY OF CAVE-DWELLER SNAIL OF THE GENUS *ACMELLA* BLANFORD, 1869 IN THAILAND

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Wachirintra Chouwchob, Bang-on Changlom, and Pongrat Dumrongrojwattana**

for the Poster Presentation entitled

**PUPILLID LAND SNAILS (PUPILLIDAE) DIVERSITY OF SATUN PROVINCE, SOUTHERN THAILAND**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Kunya Seedee and Pongrat Dumrongrojwattana**

for the Poster Presentation entitled

**DIVERSITY OF HYPSELOSTOMAID MICRONAILS IN THE WESTERN REGION OF THAILAND**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Supaksorn Pradasuk, Bangon Changlom, and Pongrat Dumrongrojwattana**

for the Poster Presentation entitled

**SPECIES DIVERSITY OF FAMILY DIPLOMMATINIDAE IN SATUN PROVINCE**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Woraporn Laojinda and Piyanut Khanema**

for the Poster Presentation entitled

STUDY ON LEAF EPIDERMAL ANATOMY, LIFE CYCLE, AND PHYTOCHEMICAL SCREENINGS  
OF KRATAI CHAM (*ADENOSMA INDIANUM* (LOUR.) MERR.) IN SALINITY AREAS

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Wittaya Pakum, Onrut Inmano, Sirapapha Tirachai, Anupan Kongbangkerd,  
Nuengruethai Jucksri and Thanakorn Wongsa**

for the Poster Presentation entitled

EFFECT OF LIGHT AND MEDIUM COMPONENTS ON GROWTH AND DEVELOPMENT OF  
*DENDROBIUM DRACONIS* RCHB.F. *IN VITRO* SEEDLINGS

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Somruthai Tunma and Wathana Panyamaneesorn**

for the Poster Presentation entitled

THE EFFECT OF SOIL SUBSTRATES AND SEED TREATMENT  
ON *COFFEA ARABICA* L. SEED GERMINATION

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Nannapat Ruthan and Phissanu Kaewtaphan**

for the Poster Presentation entitled

EFFECTS OF PLANT MEDIA LEONADITE ON GROWTH OF GREEN COS LETTUCE SEEDLING  
(LACTUCE SATIVA. LONGIFOLLA)

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF GOOD POSTER PRESENTATION

is awarded to

**Aunchalee Sapaudom and Pitak Sootanan**

for the Poster Presentation entitled

DESIGN AND DEVELOPMENT OF DATABASE OF ANTIOXIDANT-RICH  
NATURAL FRUIT AND VEGETABLE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Panyupa Pankhong, Worawat Songjang, Noppadon Jumroon, Arunya Jiraviriyakul,  
Nitirut Nernpermpisooth, Porrnthanate Sinak, Sarawut Kumphune and Sittiruk Roytrakul**

for the Poster Presentation entitled

**LPS-STIMULATED VASCULAR ENDOTHELIAL CELL INJURY RELATED  
DAMAGE-ASSOCIATED MOLECULAR PATTERN (DAMPS) EXPRESSION**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Aunyamon Srichaimongkol, Poorichaya Somparn, Marut Tangwattanachuleeporn,  
Bunsita Wanthong and Suwaphit Jungjing**

for the Poster Presentation entitled

CHANGE OF EXOSOMAL MIR-146A EXPRESSION IN BLOOD AFFECTS TO INFLAMMATORY  
CYTOKINES PRODUCTION BY REGULATING VIA TRAF6 AND  
IRAK1 OF PEDIATRIC SLE FOLLOWING TREATMENT

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Teerut Umprecha, Aussama Soontrunnrudsri, and  
Siwaporn O'Charoen**

for the Poster Presentation entitled

DEVELOPMENT OF TEXTURE-MODIFIED BARBECUED RED PORK IN SAUCE WITH  
RICE FOR POST-STROKE PATIENTS WITH DYSPHAGIA

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Natnicha Rangsiyanon, Phosathorn Mutapat,  
Jisnuson Svasti and Voraratt Champattanachai**

for the Poster Presentation entitled

**CHARACTERIZATION OF BREAST CANCER STEM-LIKE CELLS DERIVED  
FROM MDA-MB-231, A TRIPLE-NEGATIVE BREAST CANCER CELL**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Phattarin Pothipan, Juthamard Chantaraamporn, Lalita Lumkul,  
Titipatima Sakulterdkiat, Burana Khiankaew,  
Jisnuson Svasti and Voraratt Champattanachai**

for the Poster Presentation entitled

EXPRESSION PROFILES OF CLUSTER OF DIFFERENTIATION 47 AND  
CALRETICULIN IN BREAST CANCER TISSUES AND CELL LINES

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Kamonrut Kongpha Sutas Suttiprapa and Marut Laohaviroj**

for the Poster Presentation entitled

DEVELOPMENT OF ANTI-BACTERIAL AND ANTI-CANCER PEPTIDES FROM  
THE HELMINTH DEFENSE MOLECULE OF THE LIVER FLUKE *OPISTHORCHIS VIVERRINI*

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Sokuntheary Oeurn, Sutas Suttiprapa, Banchob Sripa and Prasert Saichua**

for the Poster Presentation entitled

DEVELOPMENT OF CHICKEN IGY-BASED INDIRECT ELISA FOR  
DETECT *OPISTHORCHIS VIVERRINI* ANTIGEN IN FECES

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Sunheng Kaing, Sujittra Chaiyadet, Prasert Saichua, and Sutas Suttiprapa**

for the Poster Presentation entitled

MOLECULAR CHARACTERIZATION AND FUNCTIONAL ANALYSIS OF  
THE *OPISTHORCHIS VIVERRINI* CALPAIN

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Phennapha Pha-or, Sirirat Ketsri, Jiranan Intakoon, Wanichcha Thongdee,  
Woragun Sriprasert and Tipwan Suppasat**

for the Poster Presentation entitled

TOTAL PROTEIN CONTENT OF COMMERCIAL BEE POLLEN FROM NORTHERN THAILAND

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Panata lawsipo, Thanyalak Trihera and Jamorn Somana**

for the Poster Presentation entitled

COMPARATIVE STUDY OF ANTIBACTERIAL ACTIVITY ON SKIN PATHOGENS OF  
EXTRACTS  
FROM *STEVIA REBAUDIANA* BERTONI LEAVES

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof. Dr. Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Panata lawsipo, Patcharapa Suriyawong,  
Patcharin Klinpet and Jamorn Somana**

for the Poster Presentation entitled

ANTIMICROBIAL ACTIVITY ON SKIN PATHOGENS OF ETHANOLIC EXTRACT  
FROM SPENT LEAVES OF *STEVIA REBAUDIANA* BERTONI

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Areerat Saisong, Nadtiraporn Panoi and Khwanyuruan Nakswankul**

for the Poster Presentation entitled

THE EVALUATION OF POTENTIALS OF LICHENS *PARMOTREMA TINCTORUM* (DESPR. EX NYL.)  
HALE CRUDE EXTRACT AGAINST BIOFILM FORMATION IN SOME SPECIES OF PATHOGENIC  
BACTERIA

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Orathai Sertsri, Saranya Khoksiamnuai and Khwanyuruan Naksuwankul**

for the Poster Presentation entitled

STUDY ON EFFICIENCY OF *PELLINUS GILVUS* (SCHWEIN.) PAT FROM FRUITING BODY  
WITH ETHANOLIC AND AQUEOUS CRUDE EXTRACTS TO INHIBIT  
*STAPHYLOCOCCUS EPIDERMIDIS* AND *ESCHERICHIA COLI*

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao





# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Naiyana Thatwisai, Pathimaporn Lunka, Papon Ganjanasiripong,  
Pimnapar Neesanant and Thanaporn Chuen-Im**

for the Poster Presentation entitled

**ANTIBIOTIC RESISTANT BACTERIA IN MANGROVE FORESTS  
IN THE EASTERN THAILAND DURING YEARS 2020-2022**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Tappagorn Leelatam, Sunti Phewphong and Wuttichai Roschat**

for the Poster Presentation entitled

STUDY OF FERMENTED CASSAVA PULP WITH *SACCHAROMYCES CEREVISIAE* TO INCREASE THE AMOUNT OF PROTEIN IN CONCENTRATED FOOD FOR CATTLE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Thiwapakot Panbow, Tueanta Ramarn and Akkanee Pewhom**

for the Poster Presentation entitled

FISH DIVERSITY AND FEEDING HABITS OF *CHANNA GACHUA* (HAMILTON, 1822)  
IN HEADWATER STREAM IN PAK PANANG BASIN OF KHAO PU - KHAO YA NATIONAL PARK

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Kesaraporn Janprasert, Kanokwan Poondee and Duangta Julsirikul**

for the Poster Presentation entitled

A COMPARISON OF LIFE CYCLE AND NUTRITIONAL CONTENT  
IN BLACK SOLDIER FLY LARVAE REARED ON DIFFERENT DIETS

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Natnicha Ruenthoy, Tripatchara Atiratana,  
Montree Maneepark and Nalena Praphairaksit**

for the Poster Presentation entitled

A NOVEL PREPARATION OF AN ANESTHETIC DERIVED FROM JASMINE ESSENTIAL OILS  
*JASMINUM OFFICINALE* L. FOR USE IN ZEBRAFISH *DANIO RERIO* (HAMILTON, 1822)

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Natnirin Boornasakawee, Nowwapan Donrung, and Panida Banjongsinsiri**

for the Poster Presentation entitled

DEFATTING PROCESSES AFFECTED ON PHYSICAL AND FUNCTIONAL PROPERTIES OF  
SELECTED CRICKET POWDER IN THAILAND

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Sujira Nontitabut, Bunnada Sadsee,  
Suphichaya Prangcharoen and Boonchuang Boonsuk**

for the Poster Presentation entitled

COMPARATIVE STEM ANATOMY OF SOME AQUATIC PLANTS IN PHAYAO PROVINCE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Kwanchanok Virasiri, Natthawut Triyutthachai and Sakuntala Ninkaew**

for the Poster Presentation entitled

A COMPARATIVE STUDY ON THREE THAI CASSIA L. (FABACEAE) SPECIES

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof. Dr. Chayan Boonyarak  
Dean of School of Science, University of Phayao





# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Onrut Inmano, Phanmai Yousuksawat,  
Thanakorn Wongsa and Anupan Kongbangkerd**

for the Poster Presentation entitled

EFFECT OF MEDIUM AND ORGANIC COMPONENTS ON GROWTH AND DEVELOPMENT  
OF *BULBOPHYLLUM CAULIFLORUM* HOOK.F. IN VITRO SEEDLINGS

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof. Dr. Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Boworn Kunakhonnuruk, Nareerat Rattananurak,  
Thanakorn Wongsa and Anupan Kongbangkerd**

for the Poster Presentation entitled

THE EFFECT OF VARIOUS CULTURE MEDIA ON THE GROWTH AND DEVELOPMENT OF  
*BULBOPHYLLUM DAYANUM* RCHB.F. SEEDLINGS IN IN VITRO CULTURE

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**M. Suwannachat, N. Charintip, S. Thayawat and T. Thanyaporn**

for the Poster Presentation entitled

THE EFFECT OF MEDIA ON THE GROWTH OF *RHYNCHOSTYLIS GIGANTEA IN VITRO*

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Watcharinthonse Seesod, Plaifhon Chantasit,  
Ratchaneegorn Mapanao and Arpakorn Sakulsathaporn**

for the Poster Presentation entitled

ASSESSMENT OF GENETIC RELATIONSHIPS AMONG *CRYPTOCORYNE SPECIES* USING  
SCOT MARKERS IN THE MEKONG RIVER REGION OF LOEI AND NONG KHAI PROVINCES

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Anuthep Pasura and Kanticha Nopparit**

for the Poster Presentation entitled

EFFECTS OF ADDITION OF *TRICHODERMA ASPERELLUM* POWDER IN POTTING SOIL  
CONTAINING ORGANIC FERTILIZER FOR GROWTH PROMOTION IN TOMATO SEEDLINGS

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Chitta Sarpetch, Mayura Lanchai, Pimpisut Suetrong and Sopida Sriwilaiwan**

for the Poster Presentation entitled

**ASPARAGUS PRESERVATION METHOD FOR SMALL-SCALE FARMERS**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



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Dean of School of Science, University of Phayao



# CERTIFICATE OF EXCELLENT POSTER PRESENTATION

is awarded to

**Supanee Saewa, Siriluk Chonlatesaiwiman and Patcharawarin Ruanto**

for the Poster Presentation entitled

**STUDY ON THE EFFICIENCIES OF GELLING AGENTS IN THE PRODUCTION OF COFFEE GUMMY**

presented in 14th Science Research Conference held on 25-26 May 2023  
at the School of Science, University of Phayao.



Associate Prof.Dr.Chayan Boonyarak  
Dean of School of Science, University of Phayao



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STUDY ON THE EFFICACY OF KITCHEN MINT (*MENTHA × CORDIFOLIA* OPIZ EX FRESEN) AND LEMONGRASS (*CYMBOPOGON NARDUS* (L.) RENDLE) LEAF EXTRACTS AGAINST MEALYBUGS

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AN IN VITRO SIMULATED ISCHEMIA/REPERFUSION INJURY

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