















Poster Presentation กลุ่มที่ 1

สาขาวิชาชีววิทยาและการประยุกต์ วิทยาศาสตร์การประมง วิทยาศาสตร์สิ่งแวดล้อม วิทยาศาสตร์การเกษตร วิทยาศาสตร์สุขภาพ จุลชีววิทยา วิทยาศาสตร์เทคโนโลยีชีวภาพ วิทยาศาสตร์และเทคโนโลยีทางอาหาร















is awarded to

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for participating in a poster presentation session and presenting a research entitled

DIFFERENCES OF ISCHEMIC AND ISCHEMIA/REPERFUSION INJURY RELATED PROTEIN DAMAGE-ASSOCIATED MOLECULAR PATTERN (DAMPS) IN CARDIAC CELL SUBJECTED TO AN IN VITRO SIMULATED ISCHEMIA/REPERFUSION INJURY

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

















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for participating in a poster presentation session and presenting a research entitled

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

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

















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Woraporn Laojinda and Piyanut Khanema

for participating in a poster presentation session and presenting a research entitled

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

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

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

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

















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for participating in a poster presentation session and presenting a research entitled

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

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

















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for participating in a poster presentation session and presenting a research entitled

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

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

















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

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

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

















is awarded to

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

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

















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

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

















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Anuthep Pasura and Kanticha Nopparit

for participating in a poster presentation session and presenting a research entitled

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

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

















is awarded to

Aunchalee Sapaudom and Pitak Sootanan

for participating in a poster presentation session and presenting a research entitled

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

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

















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for participating in a poster presentation session and presenting a research entitled

EXPLORING THE INDIGENOUS TRICHODERMA SP. AND ITS BIOCONTROL POTENTIAL AGAINST PHYTOPATHOGENIC FUNGI

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

















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ASPARAGUS PRESERVATION METHOD FOR SMALL-SCALE FARMERS

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

















is awarded to

Wisanee Nuamekin and Pornteera Rattanarat

for participating in a poster presentation session and presenting a research entitled

THE EFFECT OF RETAIL PACKAGING ON QUALITY AND SHELF LIFE OF CHINESE PORK SAUSAGE PRODUCT

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

EFFECT OF XANTHAN GUM ON THE QUALITIES OF BROWN RICE COOKIES

ADDITION WITH PINEAPPLE POMACE

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

















is awarded to

Pornteera Rattanarat and Wisanee Nuamekin

for participating in a poster presentation session and presenting a research entitled

THE STUDY OF QUALITY OF SET-TYPE YOGURT DURING STORAGE

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

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

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

















is awarded to

Charuporn Aupachin and Songklod Sarapusit

for participating in a poster presentation session and presenting a research entitled

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

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

















is awarded to

Kitiporn Sriwoy and Songklod Sarapusit

for participating in a poster presentation session and presenting a research entitled

STUDY ON THE BIOLOGICAL ACTIVITY OF EXTRACTS FROM *OCIMUM TENUIFLORUM* AND *COCCINIA GRANDIS* (L.) VOIGT AS NATURAL INSECTICIDES AGAINST MEALYBUGS

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



















Poster Presentation กลุ่มที่ 2

สาขาวิชาเคมี เคมีประยุกต์และเคมีอุตสาหกรรม















is awarded to

Pongsapak Fonmanee, Thanyarat Sriwanna and Suttasinee Katunyoo

for participating in a poster presentation session and presenting a research entitled

SYNTHESIS OF CUO BY CYCLIC MICROWAVE AND APPLICATION AS PHOTOCATALYST

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

















is awarded to

Punikar Intapan, Rawicha Lerdmeenai, Siranyathorn Pongnuth and Sorachai Khamsan

for participating in a poster presentation session and presenting a research entitled

GREEN SYNTHESIS OF 3,4-DIHYDROPYRIMIDINONE DERIVATIVES AND BIOLOGICAL ACTIVITY STUDIES

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

lpha-GLUCOSIDASE INHIBITORY ACTIVITY OF ALKALOID EXTRACT FROM LEAF OF *MITRAGYNA SPECIOSA* (KORTH.) HAVIL.

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

















is awarded to

Supansa Dampat and Chakkrapong Chaiburi

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF AgMn_xO_y/C AND MnO_x/C AS CATHODE CATALYSTS FOR GLUCOSE ALKALINE FUEL CELL

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

















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DEVELOPMENT OF AgVO_x/C, AgMnO_x/C AS CATHODE AND PdCeO_x/C AS ANODE CATALYSTS FOR SORBITOL ALKALINE FUEL CELL

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

















is awarded to

Wannasa Somchai and Ruttayapon Potai

for participating in a poster presentation session and presenting a research entitled

SYNTHESIS OF REVERSIBLE THERMOCHROMISM OF POLYDIACETYLENE/ZINC(II) ION/ZINC OXIDE NANOCOMPOSITES IN MIXED WATER/PROPANOL: EFFECT OF SOLVENT RATIOS

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

SYNTHESIS OF TRITYL DITHIOCARBAMATE EPOXY-ANDROGRAPHOLIDE ANALOGUES

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

















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SYNTHESIS OF ALKYL CINNAMATE ANALOGUES VIA ESTERIFICATION USING ACIDIC IONIC LIQUID AS A CATALYST

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

















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SHORT TOTAL SYNTHESIS OF COLLETOTRYPTINS A AND B

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

















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PHOTOCATALYTIC REDUCTION OF CO₂ TO METHANOL BY Cu/ZnO-CeO₂ NANOPLATE CATALYST

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

















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THE DEVELOPMENT QUALITY OF BIODIESEL OIL FROM BLENDING WASTE COOKING OIL WITH ANIMAL FAT AND CASTER SEED OIL

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

















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for participating in a poster presentation session and presenting a research entitled

PREPARATION OF *PIPER BETLE* LINN. EXTRACT AND MgFe-LAYERED DOUBLE HYDROXIDE COMPOSITE BY SOLID-SOLID REACTION

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

















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DEVELOPMENT OF COMPOSITE MATERIAL BASED ON *GLYCYRRHIZA GLABRA* EXTRACT AND MgFe-LAYERED DOUBLE OXIDE BY SOLID-STATE REACTION AND ANTIOXIDANT PROPERTY

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

















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for participating in a poster presentation session and presenting a research entitled

GREEN ONE-POT SYNTHESIS OF 3,4-DIHYDROPYRIMIDINONE ANALOGUES
USING CELITE CATALYST

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

















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RGB-BASED QUANTITATION METHOD OF ETHAMBUTOL DIHYDROCHLORIDE FOR THE QUALITY CONTROL OF TABLETS

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

















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SPECIATION AND QUANTIFICATION OF INORGANIC PHOSPHATE ADDITIVE IN FROZEN SHRIMP BY ³¹P-NMR

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EFFECT OF ALGINATE AMOUNT ON PROPERTIES OF EDIBLE FILM FROM RADISH

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

















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DESIGN AND SYNTHESIS OF BENZIMIDAZOLE - TRIAZOLE DERIVATIVES VIA SEQUENTIAL ONE-POT THREE STEP REACTION

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

















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MOLECULAR DOCKING STUDY OF QUINOLINE DERIVATIVES WITH LYSOZYME IN SILICO

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

















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LINEAR AND NONLINEAR REGRESSION METHODS FOR OPTIMUM METHYLENE BLUE ADSORPTION ISOTHERM ONTO SYNTHESIZED ACTIVATED CARBON FROM COFFEE GROUNDS IMPREGNATED WITH CALCIUM ALGINATE BEAD

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

















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PULSE ELECTRIC ASSISTED EXTRACTION OF PINOSTROBIN-ENRICHED EXTRACT FROM FINGER ROOT RHIZOME (BOESENBERGIA ROTUNDA (L.))

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

















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STUDY OF THE RATIO BETWEEN VIRGIN COCONUT OIL AND SHEA BUTTER ON THE PROPERTIES OF SKIN CARE LOTION

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SIMPLIFIED REMOVAL OF HEAVY METAL WASTEWATER: MgFe-LAYERED DOUBLE HYDROXIDE APPROACH FOR Cr⁶⁺ TREATMENT

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

















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for participating in a poster presentation session and presenting a research entitled

THE INVESTIGATION OF PHYSICOCHEMICAL PROPERTIES OF THE ROSELLE (HIBISCUS SABDARIFFA LINN.) SEED OIL

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

















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REMOVAL OF METHYLENE BLUE DYE USING ADSORBENT PREPARED FROM SUGARCANE BAGASSE

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

















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ACTIVATED CARBON FROM JARUL FRUIT (LAGERSTROEMIA SPECIOSA PERS.) BY CHEMICAL ACTIVATION WITH $\rm H_3PO_4$

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

















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EFFECT OF TEMPERATURE ON PROPERTIES OF ACTIVATED CARBON FROM WASTE BAMBOO CHOPSTICKS PREPARED FROM PHOSPHORIC ACID

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

















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DEVELOP OF ETHYLENE ABSORBENT PAPER FROM BANANA LEAF SHEAF CONTAINING ACTIVATED CARBON COATED WITH TITANIUM DIOXIDE

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

















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for participating in a poster presentation session and presenting a research entitled

ADSORPTION OF HYDROGEN SULFIDE IN BIOGAS USING ALKALINE-IMPREGNATED ECHINODORUS CORDIFOLIUS BIOCHAR AS AN ADSORBENT

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

















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ADSORPTION EFFICIENCY OF DECANTER CAKE AND DECANTER CAKE BIOCHAR FOR REMOVING HYDROGEN SULFIDE FROM BIOGAS

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

















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Zno Photocatalyst supported on cellulose extracted from sugarcane bagasse for methylene blue removal by filtration under visible light

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

















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DEVELOPING NIFe-LAYERED DOUBLE OXIDE@ACTIVATED CARBON MATERIAL BY SOLID-SOLID METHOD

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

UTILIZATION OF ZnAI-LAYERED DOUBLE HYDROXIDE AND ZnAI-LAYERED DOUBLE OXIDE AS AN ADSORBENT FOR REMEDIATING DYE-WASTEWATER

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

















is awarded to

Panut Saelee, Saowaluk Inpaeng and Karaked Tedsree

for participating in a poster presentation session and presenting a research entitled

NANOCELLULOSE AS A GREEN TEMPLATE IN THE PREPARATION OF AI-DOPED MESOPOROUS SILICA CATALYSTS FOR GLUCOSE CONVERSION TO 5-HYDROXYMETHYL FURFURAL

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

















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for participating in a poster presentation session and presenting a research entitled

MAGNETIC MgFe-LAYERED DOUBLE OXIDE AS THE ABSORBENT FOR REMOVING CONGO RED AND ERIOCHROME BLACK T DYES

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

















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for participating in a poster presentation session and presenting a research entitled

PHYSICAL AND CHEMICAL PROPERTIES OF CELLULOSE FROM *NOVACETIMONAS POMACETI* ISOLATED FROM KOMBUCHA

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

















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DEVELOPMENT OF AIR CATHODE ELECTRODE FOR A MEMBRANELESS ALKALINE FUEL CELL PROTOTYPE

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

















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for participating in a poster presentation session and presenting a research entitled

SILVER AND SILVER ALLOY ON CARBON-SUPPORTED CATALYSTS FOR CATHODES IN PEMFC AND DEFC

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

















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for participating in a poster presentation session and presenting a research entitled

PHOTOCATALYTIC ACTIVITY OF MIXED METAL OXIDE OF CUPRIC OXIDE/ FERRIC OXIDE/ ZINC OXIDE SYNTHESIZED BY MICROWAVE METHOD

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



















Poster Presentation กลุ่มที่ 3

สาขาวิชาคณิตศาสตร์ คณิตศาสตร์ ประยุกต์ สาขาวิชาสถิต















is awarded to

Anucha Nuisman and Atid Kangtunyakarn

for participating in a poster presentation session and presenting a research entitled

THE METHOD FOR SOLVING VARIATIONAL INEQUALITY PROBLEM AND APPLYING TO FIXED-POINT PROBLEM OF NONEXPANSIVE MAPPING

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

















is awarded to

Pimpawee Khumsup and Atid Kangtunyakarn

for participating in a poster presentation session and presenting a research entitled

APPROXIMATION THEOREM FOR FIXED POINT PROBLEM AND MODIFICATION OF VARIATIONAL INEQUALITY PROBLEM

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

















is awarded to

Phatpasu Rungchat, Chayapat Wiangnaksansuk and Peeranut Tapsukon

for participating in a poster presentation session and presenting a research entitled

PROVING THAT THE POTENTIAL INFINITE SERIES CANNOT BE THE VARIABLES BY DETERMINING THE AMOUNT OF ODD AND EVEN TERMS IN THE POTENTIAL INFINITE SERIES AND SUBSTITUTE INTO THE EQUATION

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

THE DEVELOPMENT OF A WEB APPLICATION BASED ON A MATHEMATICAL MODEL DESCRIBING THE PROPAGATION OF COVID-19 IN THAILAND: A CASE STUDY FOR THE 5th WAVE

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

















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for participating in a poster presentation session and presenting a research entitled

A PREDATOR - PREY MODEL: A CASE STUDY OF LADY BEETLES AND MEALYBUGS IN AGRICULTURE

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

















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for participating in a poster presentation session and presenting a research entitled

THE CORRELATION BETWEEN FINANCIAL RATIOS AND STOCK PRICE OF CHAROEN POKPHAND GROUP COMPANIES LISTED ON THE STOCK EXCHANGE OF THAILAND

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

















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ALTERNATIVE SELECTING THE DEMONSTRATING SCHOOLS OF SCHOOL OF EDUCATION STUDENT,
UNIVERSITY OF PHAYAO USING DECISION MAKING PROBLEMS

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



















Poster Presentation กลุ่มที่ 4

สาขาวิชาวิทยาศาสตร์ศึกษา และคณิตศาสตร์ศึกษา















is awarded to

Thawanrat Kanthorn, Tanatchaporn jaijumpa and Kritsada Tampradit

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THE EFFECT OF SAQ TRAINING ON THE AGILITY OF EXERCISE SCIENCE AND SPORTS STUDENTS IN THE FUTSAL COURSE

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

















is awarded to

Apiradee Pansing and Chanyah Dahsah

for participating in a poster presentation session and presenting a research entitled

EFFECTS OF RESEARCH BASED LEARNING WITH FLIPPED CLASSROOM ON CRITICAL THINKING AND LEARNING ACHIEVEMENT IN CHEMISTRY OF GRADE 12

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

















is awarded to

Suchanun Dangjanta, Saitharn Khamainlao and Duangjan Kaewkongpan

for participating in a poster presentation session and presenting a research entitled

ADMINISTRATION OF STEAM EDUCATION LEARNING THROUGH CREATIVITY-BASED LEARNING FOR ENCOURAGING TO COMPETENCY & SKILLS IN THE 21st CENTURY FOR SECONDARY 1 STUDENTS

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

















is awarded to

Kittin Chanchotsathian, Tawanrath Chumsri, Nutwarin Mansilp, Janjarus Watanachote and Piyanoot Jaihan

for participating in a poster presentation session and presenting a research entitled

DETECTION OF *VIBRIOSPP*. IN A CLOSED SYSTEM SALTWATER FISHTANK FROM THE INSTITUTE OF MARINE SCIENCE, BURAPHA UNIVERSITY

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

















is awarded to

Phatcharapa Khongman, Yuttana Chaijalearn, and Phitsanuphakhin Chaimongkhon

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF SCIENCE PROCESS SKILLS BY USING INQUIRY-BASED LEARNING (5E) TOGETHER WITH QUESTIONING TECHNIQUES IN PHOTOSYNTHESIS STUDY UNIT FOR JUNIOR HIGH SCHOOL STUDENTS

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

















is awarded to

Piyapong Sitthison

for participating in a poster presentation session and presenting a research entitled

INTEGRATING AUTOMATIC ITEM GENERATION TECHNIQUES WITH PYTHON AND LATEX TO CREATE DYNAMIC ANIMATION WORKSHEETS FOCUSING ON A PROJECTILE MOTION

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

















is awarded to

Anodar Ratchawet, Patcharaporn Pun-ake, Chonlasith Lodekaew and Yuttana Chaijalearn

for participating in a poster presentation session and presenting a research entitled

THE DEVELOPMENT OF SKILLS DRILLS IN COOPERATION WITH INQUIRY-BASED LEARNING MANAGEMENT TO PROMOTE THE ABILITY TO SOLVE CHEMICAL PROBLEMS ON TITLE "FACTORS AFFECTING CHEMICAL EQUILIBRIUM" OF THE FIFTH GRADE OF SECONDARY LEVEL STUDENTS

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



















Poster Presentation กลุ่มที่ 5

สาขาวิชาคอมพิวเตอร์ เทคโนโลยีสารสนเทศ วิทยาการข้อมูล















is awarded to

Phet Phongshei

for participating in a poster presentation session and presenting a research entitled

MANAGEMENT ONLINE EXAMINATION SYSTEM (QLMS SERVER) CASE STUDY MIDTERM AND FINAL EXAMINATIONS ONLINE IN THE COVID-19 PANDEMIC SITUATION, UNIVERSITY OF PHAYAO

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

















is awarded to

Ekboonya Srisook, Watcharin Yodmuang, Somrit Unai and Kridsada Luangthongkham

for participating in a poster presentation session and presenting a research entitled

THE SOLUTION-SAMPLE MANIPULATION USES PROGRAMMABLE LINEAR ACTUATOR FOR THE WELL-PLATE COLORIMETER ANALYSIS

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

















is awarded to

Chaisiri Sanitphonklang, Sirithip Wasinrat, Teerasakand Khoployklang and Kobthong Ladkhum

for participating in a poster presentation session and presenting a research entitled

THE REXPERT: A SYSTEM FOR CLUSTERING THE RESEARCH RESULTS OF COMPUTER RESEARCHERS WITH DATA MINING TECHNIQUES FOR RECOMMENDING SIMILAR RESEARCH RESULTS

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

















is awarded to

Wittaya Pulsawad, Komkrich Kaewpanus, Anusorn Tong-on, Meechai Thepnurat and Parinya Saphet

for participating in a poster presentation session and presenting a research entitled

CONSTRUCTION OF AN AI ELECTRONIC NOSE SYSTEM FOR CHARACTERIZATION OF A COFFEE AROMA MAP IN CHIANG RAI PROVINCE

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

















is awarded to

Arisa Worathongchai and Pitak Sootanan

for participating in a poster presentation session and presenting a research entitled

DATABASE OF NATURAL COMPOUNDS AND POTENTIAL BIOACTIVITY OF DIETARY SUPPLEMENT PRODUCTS

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



















Poster Presentation กลุ่มที่ 6

สาขาวิชาฟิสิกส์ พลังงาน ดาราศาสตร์ และวัสดุศาสตร์















is awarded to

Chitipat Chanasuek, Mada Boonruanglue, Nawarat Piromruk and Paveena Laokul

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF MELTBLOWN NONWOVEN FABRIC WITH ANTIBACTERIAL ACTIVITY
BY ZnO/AgBr NANOCOMPOSITES COATING

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

















is awarded to

Nilobol Wongsaita and Morakot Piemjai

for participating in a poster presentation session and presenting a research entitled

COMPARISON OF SURFACE MICROHARDNESS OF RESTORATIVE RESIN COMPOSITE WITH DIFFERENT TYPES OF FILLERS

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

















is awarded to

Kotcharat Nantasen and Morakot Piemjai

for participating in a poster presentation session and presenting a research entitled

THE COLOR MASKING ABILITY OF RESIN COMPOSITE WITH DIFFERENT TYPES OF FILLERS

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

















is awarded to

Pathit Premwichit and Sasipohn Prasertpalichat

for participating in a poster presentation session and presenting a research entitled

DIELECTRIC AND IMPROVED ENERGY-STORAGE PROPERTIES IN COMPLEX PEROVSKITE (1–x)NaNbO₃–xBi(Li_{1/3}, Sn_{2/3})O₃ LEAD-FREE CERAMICS

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

















is awarded to

Wanchaloem Maitreesittikorn, Pathit Premwichit and Sasipohn Prasertpalichat

for participating in a poster presentation session and presenting a research entitled

EFFECTS OF NA EXCESS ON THE PHASE STRUCTURE AND ELECTRICAL PROPERTIES OF (Bi_{0.487}Na_{0.487}K_{0.06}Ba_{0.026})TiO₃ LEAD-FREE PIEZOCERAMICS

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

















is awarded to

Aumaparn Phlayrahan and Sudarat Khunmee

for participating in a poster presentation session and presenting a research entitled

IDENTIFICATION OF LOW-TEMPERATURE HEATED RUBY SAMPLES USING FTIR SPECTRA

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

















is awarded to

Kanisorn Kaewsrithong, Anucha Kaewpoonsuk, Pincha Torkittikul, Chatdanai Boonruang and Thanongsak Nochaiya

for participating in a poster presentation session and presenting a research entitled

EFFECTS OF WATER-TO-CEMENT RATIO AND CURING TIME ON THE ELECTRICAL OUTPUT OF CEMENT-BASED TRIBOELECTRIC NANOGENERATOR

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

















is awarded to

Thanongsak Nochaiya, Chanutta Jareanpon, Saowaluk Kamkum, Panisara disuea and Pincha Torkittikul

for participating in a poster presentation session and presenting a research entitled

MECHANICAL AND PHYSICAL PROPERTIES OF CELLULAR LIGHTWEIGHT CONCRETE CONTAINING BOTTOM ASH

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

















is awarded to

Pathit Premwichit and Sasipohn Prasertpalichat

for participating in a poster presentation session and presenting a research entitled

STUDY ON STRUCTURAL, DIELECTRIC, AND ENERGY STORAGE PROPERTIES OF Ba²⁺ DOPED LEAD-FREE NaNbO₃-BASED CERAMICS

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

















is awarded to

Siwat Kamonkunanon, Pakorn Ket-in, Thanongsak Nochaiya, Panisara Disuea and Phalitphat Khumfu

for participating in a poster presentation session and presenting a research entitled

PHYSICAL PROPERTIES AND THERMAL PROPERTIES OF CONCRETE MIXED WITH CRUSHED STONE

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

















is awarded to

Sutthisa Konruang, Thawatchai Tepnual, Pornpana Buaphet, Suwit Pethauylung and Narit Klompong

for participating in a poster presentation session and presenting a research entitled

X-RAY SHIELDING AND MECHANICAL PROPERTIES OF RUBBER COMPOUND/BARIUM SULFATE COMPOSITE

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

















is awarded to

Nutkamon Sonchaopri, Rattiphorn Sumang, Supree Pinitsoontorn, Aurawan Rittidech and Theerachai Bongkarn

for participating in a poster presentation session and presenting a research entitled

EFFECT OF FIRING TEMPERATURES ON PHASE FORMATION, MICROSTRUCTURE, DIELECTRIC AND MAGNETIC PROPERTIES OF Ni_{0.6}Zn_{0.4}Fe₂O₄ CERAMICS SYNTHESIZED

BY THE SOLID-STATE COMBUSTION TECHNIQUE

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

















is awarded to

Metarsit Klinbanmor, Naratip Vittayakorn, Aurawan Rittidech and Theerachai Bongkarn

for participating in a poster presentation session and presenting a research entitled

FIRING TEMPERATURES EFFECT ON PHASE FORMATION, MICROSTRUCTURE AND ELECTRICAL PROPERTIES OF BNBKL CERAMICS FABRICATED VIA THE SOLID-STATE COMBUSTION TECHNIQUE

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

















is awarded to

Widchaya Somsri, Naratip Vittayakorn and Theerachai Bongkarn

for participating in a poster presentation session and presenting a research entitled

EFFECT OF FIRING TEMPERATURES ON THE PHASE FORMATION, MICROSTRUCTURE, AND ELECTRICAL PROPERTIES OF BCLTS CERAMICS

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

















is awarded to

Suphornphun Chootin, Anupong Luangpangai, Widchaya Somsri, Chanagon Menkun, Naratip Vittayakorn, Supree Pinitsoontorn and Theerachai Bongkarn

for participating in a poster presentation session and presenting a research entitled

EFFECT OF FIRING TEMPERATURES ON PHASE STRUCTURE, MICROSTRUCTURE, ELECTRICAL AND MAGNETIC PROPERTIES OF (Bi_{0.5}Na_{0.5})_{0.7}La_{0.3}(Ti_{0.7}Fe_{0.3})O₃ CERAMICS

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

















is awarded to

Wistsarut Chongsatan, Naratip Vittayakorn and Theerachai Bongkarn

for participating in a poster presentation session and presenting a research entitled

EFFECT OF FIRING TEMPERATURES ON PHASE FORMATION, MICROSTRUCTURE, ELECTRICAL, AND ENERGY STORAGE PROPERTIES OF BNT-BT-BCTZ CERAMICS PREPARE VIA THE SOLID-STATE COMBUSTION TECHNIQUE

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

ENHANCEMENT OF WATER RESISTANCE OF COTTON GAUZE BY Ar- AND He- COLD PLASMA TREATMENT

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

THE USE OF WASTE TIRE RUBBER AS SAND REPLACEMENT IN MORTAR: EFFECT ON DENSITY, COMPRESSIVE STRENGTH AND TENSILE STRENGTH OF MORTAR

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

















is awarded to

Wiwat Pattanakasem, Nipaphat Charoenthai, Naratip Vittayakorn, Nateeporn Thongyong, Prasit Thongbai and Theerachai Bongkarn

for participating in a poster presentation session and presenting a research entitled

PHASE FORMATION, MICROSTRUCTURE AND ELECTRIC PROPERTIES OF La³⁺ SUBSTITUTION IN B-SITE OF LEAD-FREE BaTi_{0.91}Sn_{0.09}O₃CERAMICS

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

















is awarded to

Nattawat Radjaroendee, Thammatorn Jamraschai and Ekapong Hirunsirisawat

for participating in a poster presentation session and presenting a research entitled

ORBITS OF PHOTON AROUND THE BLACK HOLE WITH A LIGHT SOURCE

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

















is awarded to

Wittaya Thipaksorn

for participating in a poster presentation session and presenting a research entitled

EVOLUTION OF THE BACKGROUND UNIVERSE IN DHOST THEORY WITH SHIFT-SYMMETRY

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

















is awarded to

Chatuporn Nisaisue

for participating in a poster presentation session and presenting a research entitled

OUANTIZE FLUXOID PROTECTION IN AN S-WAVE SUPERCONDUCTING RING

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

















is awarded to

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for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF SUGAR ADULTERATION DETECTION IN FRUIT JUICE USING CAVITY-RINGDOWN SPECTROSCOPY TECHNIQUE

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

















is awarded to

Songsak Saeyang, Sirikamon Saengmee-anupharb, Somrit Unai and Sakda Koenrobket

for participating in a poster presentation session and presenting a research entitled

EXPERIMENTAL STUDY OF HEAT CAPACITY TO MINIMIZE ERROR IN THE FIRST-YEAR STUDENT PHYSICS LABORATORY

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

















is awarded to

Wasin tasroi, Rattanaporn Rueangrot and Kriangsak Prompak

for participating in a poster presentation session and presenting a research entitled

THE FREE FALL EXPERIMENT USING IMAGE PROCESSING TECHNIQUES

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

















is awarded to

Yuttana Sriudom, Zinner Ratipat, Anurat Tewata, Chainarong Sanpao and Wisit Khudsai

for participating in a poster presentation session and presenting a research entitled

BIOGAS TECHNOLOGY TRANSFER FROM LIVESTOCK MANURE IN BAN NONGBAN, MUEANG TAK DISTRICT, TAK PROVINCE

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

















is awarded to

Jedsada Visedmanee and Sangkom Subphaso

for participating in a poster presentation session and presenting a research entitled

EFFECTS OF DRYING AIR TEMPERATURE AND DRYING AIR VELOCITY ON DRYING KINETICS PEPPER USING FLUIDIZED BED TECHNIQUE

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

















is awarded to

Tanapol Chimchour, Nalintip Tontan,
Pantip Tue-Ngeun and Kotcharat Phookung

for participating in a poster presentation session and presenting a research entitled

BIOMASS BRIQUETTES FROM EXPIRED MUSHROOM SPAWN WITH RICE-STRAW

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

















is awarded to

Natsacha Inchoorun, Weerayuth Promjan, Rewadee Meesat, Sriwichai susuk, Wannee Suttivattanavet, Kusol Iamsub and Soravit Jamjumroon

for participating in a poster presentation session and presenting a research entitled

DRYING HERBS WITH VERTICAL CYLINDRICAL SOLAR INCUBATOR

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



















Poster Presentation กลุ่มที่ 7

สาขาวิชาวิทยาศาสตร์ นวัตกรรมเชิงพาณิชย์















is awarded to

Phairoach Chunkaew, Anurat Tevata, Aphirak Khadwilard, Sumroum Kosalanun, and Chakkraphan Thawonngamyingsakul

for participating in a poster presentation session and presenting a research entitled

ENERGY CONSERVATION INDUCTION MOTOR FOR RICE MILL BUCKET 2.2 kW

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

















is awarded to

Phichaya Ratchaphon, Norawit Mahaprom and Sarit Promthep

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF SMART FARMING FOR ORGANIC CROPS MANAGEMENT SYSTEM

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

















is awarded to

ChakkraphanThawonngamyingsakul, Phairoach Chunkaew, Aphirak Khadwilard, and Kanyaphorn Chaiwong

for participating in a poster presentation session and presenting a research entitled

APPLICATION OF THERMOELECTRIC IN CHICKEN EGG INCUBATOR BY CONTROLLED INTERNET OF THING

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

















is awarded to

Aphirak Khadwilard, Phairoach Chunkaew, Chakkraphan Thawonngamyingsakul, and Niwat Pratoomchai

for participating in a poster presentation session and presenting a research entitled

DETERMINATION OF OPTIMUM PARAMETERS FOR DRYING BANANA SLICES
USING INFRARED RADIATION CERAMIC PLATES BY RESPONSE SURFACE METHODOLOGY

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

















is awarded to

Narudee Worasarn, Ailada Tipseerad, Watsaphon Tasoonthon and Akeapot Srifa

for participating in a poster presentation session and presenting a research entitled

EFFICIENCY OF TITANIUM DIOXIDE AND COMMERCIAL COATING ON THE INHIBITION OF ALGAL GROWTH ON CONCRETE SURFACE

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

















is awarded to

Wisit Mangthas, Rattitikarn Boonpeaw and Waipot Ngamsaad

for participating in a poster presentation session and presenting a research entitled

NAVIGATION FOR MOBILE ROBOTS USING MILLIMETER-WAVE RADAR

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

















is awarded to

Ratchaneewan Kulchan and Pattharaporn Reangpirom

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF METHODOLOGY FOR INDICATE EFFICIENCY OF OXYGEN SCAVENGER

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

















is awarded to

Ratchaneewan Kulchan and Pattharaporn Reangpirom

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF DYES FOR INDICATE FRESHNESS OF SEAFOODS

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

















is awarded to

Sakoolrud Raunmoon, Supakid Sachak, Waranya Thong-in, Boonyakorn Sonkhayan, Warintorn Bangwiset, Chatnutda Konwimon, and Widsanusan Chartarrayawadee

for participating in a poster presentation session and presenting a research entitled

"BOTANICAL BOMB INNOVATION" PHYTOCOSMETIC INNOVATIVE PRODUCT FOR HAIR CARE

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

















is awarded to

Nittalin Phunapai, Teerapath Limboonruang, Jantana Panburana, Sudaruch Rearkyai, Sittinun Tawkaew, and Parkpoom Sriromreun

for participating in a poster presentation session and presenting a research entitled

AN INNOVATIVE SAFETY HOLDER OF THE ENDOTRACHEAL TUBE FOR NEONATES WITH SEVERE RESPIRATORY ILLNESSES

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



















Poster Presentation กลุ่มที่ 8

Routine to Research (R2R)















is awarded to

Suchanat Potikul, Nawawee Tohyeng, and Natthaphon Khiankhan

for participating in a poster presentation session and presenting a research entitled

ADAPTATION OF RICE FARMERS IN AGRICULTURE 4.0 ERA: CASE STUDY OF RICE FARMERS IN PADO SUB-DISTRICT, MAYO DISTRICT, PATTANI PROVINCE

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

















is awarded to

Piyawan Nuntaboon

for participating in a poster presentation session and presenting a research entitled

ESPReL EVALUATION OF CHEMICAL RISK ASSESSMENT IN THE BIOCHEMICAL LABORATORY, SCHOOL OF MEDICAL SCIENCES, UNIVERSITY OF PHAYAO

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

















is awarded to

Konkanok Chaisen and Wittaya Suwonnachot

for participating in a poster presentation session and presenting a research entitled

MORPHOLOGY AND MEIOTIC CHROMOSOME BEHAVIOR OF OYSTER PLANT (TRADESCANTIA SPATHACEAE SW.)

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

















is awarded to

Teppagone Pittayapinune and Lateepah Domae

for participating in a poster presentation session and presenting a research entitled

COMMUNITY INNOVATION TO INCREASE THE CAPACITY FOR SUSTAINABLE SELF-MANAGEMENT ON RESOURCE BASE IN SOUTHERN BORDER PROVINCES

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

















is awarded to

Theerasak Thongyan

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF AN UNDERGRADUATE STUDENT ADMISSIONS SYSTEM, FACULTY OF SCIENCE, MAHASARAKHAM UNIVERSITY

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

















is awarded to

Panisara Disuea and Thanongsak Nochaiya

for participating in a poster presentation session and presenting a research entitled

DEVELOPMENT OF YOUNG'S MODULUS APPARATUS OF METAL WIRES FOR INTRODUCTION PHYSICS LABORATORY CLASS

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

















is awarded to

Panuwat Lomakul

for participating in a poster presentation session and presenting a research entitled

THE DEVELOPMENT OF QR CODE TECHNOLOGY TO SUPPORT AUDIOVISUAL WORK SCHOOL OF INFORMATION AND COMMUNICATION TECHNOLOGY UNIVERSITY OF PHAYAO

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

















is awarded to

Phannarai Pibalpakdee and Tosapon Somboon

for participating in a poster presentation session and presenting a research entitled

THE DEVELOPMENT OF LABORATORY EQUIPMENT CIRCULATION SYSTEM USING STORESTOCK PROGRAM IN MICROBIOLOGY LABORATORY OF SCHOOL OF MEDICAL SCIENCES

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

