

POSTER SESSION

INFORMATION FOR POSTER PRESENTATION

Preparation of posters:

The poster must be in English. The content of the poster should cover title, objectives, methodology, results, discussion and conclusion. The poster board size should not exceed 90 cm width × 120 cm height.

Time for poster attachment & location:

The location for poster attachment will be specified according to Abstract ID (e.g. A1_099_PA, C2_070_PF) at the congress venue (Foyer area in front of Vibhavadee Ballroom). The Abstract ID can be found in the Program Book. Time for poster attachment is as follows.

Session	Date	Time
Poster Session I: Session A/B/C2/C3/C4/F/G/H	Wednesday 30 th November 2016	13:00-13:30
Poster Session II: Session C1/D/E/I/J/K	Thursday 1 st December 2016	12:30-13:00

Poster sessions:

Participants are expected to be at their posters according to the session assigned.

Session	Date	Time
Poster Session I: Session A/B/C2/C3/C4/F/G/H	Wednesday 30 th November 2016 Thursday 1 st December 2016	13:30-17:00 08:30-12:00
Poster Session II: Session C1/D/E/I/J/K	Thursday 1 st December 2016 Friday 2 nd December 2016	13:00-17:00 08:30-11:30

Time for poster removal:

Session	Date	Time
Poster Session I: Session A/B/C2/C3/C4/F/G/H	Thursday 1 st December 2016	12:00-12:30
Poster Session II: Session C1/D/E/I/J/K	Friday 2 nd December 2016	11:30-12:00

SESSION A: MATHEMATICS / STATISTICS / COMPUTER SCIENCE

ID	Title	Presenter
A1_033_PA	APPLICATION OF ARTIFICIAL NEURAL NETWORK FOR EDUCATION	Suwimol Sittichat

SESSION B: PHYSICS / APPLIED PHYSICS

ID	Title	Presenter
B1_025_PA	FABRICATION OF FLEXIBLE NANOSTRUCTURED GAS SENSORS FOR FORMALDEHYDE DETECTION AT ROOM TEMPERATURE	Kriengkri Timsorn
B1_051_PA	GEOMETRIC AND ELECTRONIC PROPEERTIES OF DEFECTIVE BILAYER GRAPHENE QUANTUM DOT USING SELF-CONSISTENT CHARGE DENSITY FUNCTIONAL TIGHT BINDING METHOD	Onsuda Arayawut
B1_078_PA	ELECTRONIC PROPERTIES OF GRAPHENE QUANTUM DOTS	Sarun Arunragasa
B1_098_PF	JUNCTION PARAMETERS OF N-TYPE β -FeSi ₂ /P-TYPE Si HETEROJUNCTIONS FABRICATED USING RADIO FREQUENCY MAGNETRON SPUTTERING	Phongsaphak Sittimart
B1_108_PF	ANALYSIS OF RAINFALL OSCILLATIONS AT SONGKLA PROVINCE IN THAILAND USING WAVELET TRANSFORM	Nipon Thangprasert
B1_137_PF	ESTIMATION OF DENSITY OF INTERFACE STATE IN N-TYPE NANOCRYSTALLINE FeSi ₂ /P-TYPE Si HETEROJUNCTIONS FABRICATED BY USING FACING-TARGET DIRECT-CURRENT SPUTTERING	Asanlaya Duangrawa
B1_146_PF	AN INVESTIGATION INTO THE CORRELATION BETWEEN THE SHAPE OF THE BLOODSTAIN AND THE BLOOD SOURCE VELOCITY	Ruamsiri Songsaeng

SESSION C1: ANALYTICAL CHEMISTRY

ID	Title	Presenter
C1_055_PF	A SIMPLE COLORIMETRIC DETECTION ON WELL PLATEFOR HIGHT THROUGHPUT ANTIOXIDATIVE ASSAY	Nathida Chamklan
C1_072_PF	DEVELOPMENT OF AN OXALATE SENSOR USING A PAPER-BASED ANALYTICAL DEVICE	Manassawee Janrod
C1_076_PF	ACTIVE CHEMICAL COMPOSITIONS OF NIPA PALM VINEGAR PRODUCED IN NAKHON SI THAMMARAT AND SURAT THANI	Rattana Wongchuphan
C1_092_PF	ANODIC STRIPPING VOLTAMMETRIC METHOD WITH BISMUTH-MODIFIED SCREEN-PRINTED ELECTRODE FOR DETERMINATION OF CADMIUM AND LEAD IN CERAMIC SAMPLES	Tharinee Sridara
C1_093_PF	SPECIATION OF ARSENIC BY ION EXCHANGE RESIN AND IRON-COPPER BINARY OXIDE	Thanaphat Thongkha
C1_097_PF	HIGHLY SENSITIVE NANOPOROUS SILVER MICROSTRUCTURES (np-AgMs) IN MICROFLUIDIC CHANNELS FOR DETERMINATION OF GLUTATHIONE	Duangtip Lawanstiend

ID	Title	Presenter
C1_127_PF	THE USE OF SURFACE MODIFIED HALLOYSITE NANOTUBE FOR VOLTAMMETRIC DETERMINATION OF FENITROTHION, AN ORGANOPHOSPHATE PESTICIDES	Jutaporn Paothong
C1_157_PF	METHOD DEVELOPMENT FOR DETERMINATION OF TOTAL VITAMIN K USING GRAPHENE SCREEN-PRINTED ELECTRODE	Whitchuta Jesadabundit
C1_165_PF	PREPARATION AND CHARACTERISATION OF ELECTRODEPOSITED TIN ON PLATINUM ELECTRODE FOR REACTIONS IN DIRECT ETHANOL FUEL CELL	Sriprapa Phatsarapongkul
C1_171_PA	VOLTAMMETRIC DETERMINATION OF TARTRAZINE IN BEVERAGE SAMPLES USING A SILICA NANOPARTICLES MODIFIED CARBON PASTE ELECTRODE	Preecha Mansalai
C1_233_PA	DETERMINATION OF ANTIOXIDANT PROPERTIES AND TOTAL CONTENT OF PHENOLIC COMPOUNDS OF TRADITIONAL THAI RICE VARIETIES GROWN IN NORTHEASTERN REGION OF THAILAND	Janpen Intaraprasert
C1_241_PF	DETERMINATION OF NUTRIENT, TOTAL PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY IN INCA PEANUT (<i>Plukenetia volubilis</i> L.)	Wimonrut Insuan
C1_251_PF	SEPARATION OF 235U, 238U AND THORIUM FROM MIXED RARE EARTH USING ION EXCHANGE RESIN	Kalaya Changkrueng
C1_282_PA	SIMULTANEOUS ANALYSIS OF SUGARCANE QUALITIES AFTER HARVESTING BY NEAR-INFRARED SPECTROSCOPY	Sumaporn Kasemsumran
C1_290_PA	AN AUTOMATIC HIGH-THROUGHPUT SCREEN-PRINTED SYSTEM FOR ANALYTICAL APPLICATIONS	David Hernandez Santos
C1_294_PF	RAPID SIMULTANEOUS DETERMINATION OF α -LACTALBUMIN AND β -LACTOGLOBULIN IN MILK SAMPLES USING MICROFLUIDIC CAPILLARY ELECTROPHORESIS WITH LASER INDUCED FLUORESCENCE	Parnrada Chamroenchua
C1_295_PA	COMPARISON OF CHEMICAL COMPOSITION, ANTIOXIDANT AND ANTIFUNGAL ACTIVITIES OF ESSENTIAL OILS FROM LEMONGRASS, CLOVE AND CINNAMON	Wimonnan Pongpatrakant
C1_298_PA	HIGH CAPACITY SORBENT OF NATURAL HYBRID COMPOSITE BEADS FOR SIMULTANEOUS REMOVAL OF CHROMIUM ION (VI) AND PHENOL	Neeranut Kuanchertchoo
C1_300_PA	CORRELATION OF LECANORIC ACID WITH ATRANORIN IN LICHEN <i>Parmotrema tinctorum</i>	Chutima Sriviboon
C1_303_PF	PRELIMINARY STUDY ON CHARACTERISATION OF CERTIFIED REFERENCE MATERIAL FOR WATER DETERMINATION IN (BIO)ETHANOL FUEL	Wiphada Hongthani

SESSION C2: INORGANIC CHEMISTRY

ID	Title	Presenter
C2_028_PF	SYNTHESIS OF HYDROXYAPATITE USING CITRIC ACID AS ADDITIVE FOR REMOVAL OF CADMIUM IN AQUEOUS SOLUTION	Trang Thuy Thuy Le Hoang

ID	Title	Presenter
C2_115_PF	SYNTHESIS OF A SIMPLE FERROCENE DERIVATIVE CONTAINING BORONIC ACID FOR SELECTIVE DETECTION OF CYANIDE	Orrawan Wisedsoonthorn
C2_128_PF	THEPHOTOCATALYTIC OF TiO ₂ /SiO ₂ NANOCOMPOSITES WITH RICE HUSK AS TEMPLATE	Anchalee Makhin
C2_177_PF	THE NOVEL 2-NITRO-TETRAKIS (4-ALKOXYPHENYL) PHENYLPORPHRINATOCOPPER(II) COMPLEXES: SYNTHESIS, CHARACTERIZATION AND IT'S BACTERIAL ACTIVITY	Monta Malaithong
C2_198_PF	ELECTROCHEMICAL PROPERTIES OF Pr-DOPED Sr ₄ Fe ₆ O ₁₃ AS ACATHODE FOR IT-SOFCs	Kittiwat Kamlungsua
C2_212_PF	SYNTHESIS, CRYSTAL STRUCTURE OF NICKEL (II) COMPLEX CONTAINING BENZOYLACETONATE AND 2-AMINOPYRIMIDINE LIGANDS AND ANTIBACTERIAL ACTIVITY	Pornsan Lueangsriprech
C2_214_PF	COBALT (II) COORDINATION CONTAINING DIBENZONYLMETHANATE AND 2-AMINOPYRIMIDINE LIGANDS, CHEMICAL AND BIOLOGICAL ACTIVITIES	Sukanya Mingphimai
C2_219_PF	[Ni(bzac) ₂ (Im) ₂ (MeOH) ₂], SYNTHESIS, CRYSTAL STRUCTURE AND CHARACTERIZATION	Supakorn Boonyuen
C2_232_PF	SILVER-TETRAPHENYL PORPHRIN: SYNTHESIS, CHARACTERIZATION AND ALCOHOL SENSING APPLICATION	Sudarat Thummataudtho

SESSION C3: ORGANIC & MEDICINAL CHEMISTRY

ID	Title	Presenter
C3_023_PF	CHEMICALLY INDUCED SELF-ASSEMBLY OF GOLD NANOPARTICLES WITH DIHYDROFOLATE REDUCTASE AND ITS BINDING LIGANDS	Vasujin Numphud
C3_026_PF	ISOLATION AND STRUCTURE IDENTIFICATION OF CYTOTOXIC COMPOUNDS FROM <i>Mallotus glomerulatus</i>	Napason Chabang
C3_038_PA	TRITERPENOIDS FROM THE LEAVES OF <i>Prismatomeris malayana</i>	Abdul-Wahab Salae
C3_039_PA	SECONDARY METABOLITES FROM THE STEMS AND TWIGS OF <i>Orophea brandisii</i>	Uma Prawat
C3_082_PA	AN EFFICIENT METHOD FOR THE SYNTHESIS OF 19-OTBDPS-8,17-EPOXY ANDROGRAPHOLIDE	Teerapich Kasemsuk
C3_103_PA	SESQUITERPENOIDS AND OTHER CONSTITUENTS FROM THE LEAVES OF <i>Orophea brandisii</i> (ANNONACEAE)	Teemaporn Thamsuwn
C3_118_PF	THE DYE SENSITIZED SOLAR CELL BASED ON INDOLO[3,2-b] INDOLE	Patcharaphon Kanchanarugee
C3_140_PF	ANTIBACTERIAL ACTIVITY OF FLAVONE DERIVATIVES	Krongkan Kingkaew
C3_179_PA	RAPID DETERMINATION AND QUANTIFICATION OF BERBERINE IN <i>Coscinium fenestratum</i> METHANOLIC EXTRACT BY ¹ H NMR SPECTROSCOPY	Jutamas Chinjaroen
C3_191_PA	A COMPARATIVE STUDY ON QUANTITATIVE ANALYSIS OF OXYRESVERATROL IN MAHAD METHANOLIC EXTRACT BY ¹ H NMR AND HPLC TECHNIQUES	Nattawadee Chamboonchu

ID	Title	Presenter
C3_270_PA	NOVEL FLUORESCENCE DETECTION OF DNA USING PYRROLIDINYL PEPTIDE NUCLEIC ACID PROBE AND POLYNUCLEOTIDE QUENCHER	Chayan Charoenpakdee

SESSION C4:PHYSICAL & THEORETICAL CHEMISTRY

ID	Title	Presenter
C4_014_PA	THEORETACAL INVESTIGATION OF H_2CO AND Cl_2CO ADSORPTIONS ON PRISTINE AND Zn-DOPED SINGLE-WALLED CARBON NANOTUBES	Chanukorn Tabtimsai
C4_080_PA	DENSITY FUNCTIONAL STUDY OF SUPEROXIDE ADSORPTION ON METAL COMPLEX IN SUPEROXIDE DISMUTASE M-SOD (M= Fe AND Cu) FOR BIOMIMETIC MOLECULAR DESIGN	Saowapak Choomwattana
C4_120_PA	A COMPUTATIONAL INVESTIGATION OF HYDROXYL PROTON CHEMICAL SHIFTS IN ETHANOL CLUSTERS: A ROLE OF EXPLICIT HYDROGEN BONDING	Chanikan Sripratumwong
C4_159_PA	PHOTOPHYSICAL PROPERTIES OF RHODAMINE B DERIVATIVE: EXPERIMENTAL AND DFT BASED APPROACH	Jitpinan Teanwarawat
C4_205_PA	REMOVAL OF INDUSTRIAL DYE FROM AQUEOUS SOLUTION USING BENTONITE AS LOW COST ADSORBENT	Sawida Chaisamdaeng
C4_208_PA	HIGHLY ADSORPTION EFFICIENTCY OF CATIONIC DYE ON GEOPOLYMER: OPTIMAL CONDITIONS AND EQUILIBRIUM STUDY	Bongkochawan akamwong
C4_237_PA	STRUCTURAL INSIGHTS INTO THE BINDING MODE AND CRUCIAL INTERACTIONS OF 4-AMININUINOLONEPIPERIDINE AMIDE DERIVATIVES AGAINST DECAPRENYLPHOSPHORYL-D-RIBOSE OXIDASE BINDING SITE USING MOLECULAR DOCKING CALCULATION	Chayanin Hanwarinroj
C4_238_PA	STRUCTURE BASED INHIBITOR DESIGN OF NOVEL ANTI-TUBERCULOSIS AGENTS OF 4-AMINOQUINOLINE DERIVATIVES IN DNA GYRASE B SUBUNIT (GyrB) USING MOLECULAR DOCKING STUDY	Naruedon Phusi

SESSION D: POLYMER & MATERIALS SCIENCE / NANOTECHNOLOGY

ID	Title	Presenter
D1_011_PA	PHOTOINDUCED CHARGE DISSOCIATION AND TRANSOPRT AT P3HT/ITO INTERFACE: STUDIED BY MODULATED SURFACE PHOTOVOLTAGE SPECTROSCOPY	Nopporn Rujisamphan
D1_015_PA	CO-SPUTTERED METAL AND POLYMER NANOCOMPOSITE FILMS AND THEIR ELECTRICAL RESPONSES FOR GAS SENSING APPLICATION	Thidarat Supasai
D1_016_PA	EVOLUTION STUDIES ON STRUCTURAL AND OPTICAL PROPERTIES OF $\text{CH}_3\text{NH}_3\text{PbI}_3$ FILMS PREPARED BY A SEQUENTIALLY SPRAYED CHEMICAL DEPOSITION TECHNIQUE	Nakorn Henjongchom
D1_022_PF	INTRODUCTION OF FUNCTIONAL GROUPS ONTO THE SURFACE OF POLYETHYLENE FOR METAL BINDING	Thirawan Nipithakul

ID	Title	Presenter
D1_034_PF	ENCAPSULATION OF NATURAL COLORANT IN RICE FLOUR GRANULES	Pornpan Nathawut
D1_074_PA	FACILE SYNTHESIS OF POLY(N-VINYLCAPROLACTAM)-CROSSLINKED NATURAL RUBBER WITH TEMPERATURE RESPONSIVENESS	Sopitcha Phetrong
D1_075_PA	PREPARATION AND pH-RESPONSIVE BEHAVIOR OF POLY(4-VINLYPYRIDINE)-CROSSLINKED NATURAL RUBBERS	Chanon Sansuk
D1_085_PA	SYNTHESIS AND CHARACTERIZATION OF CARBON DOTS FROM EDIBLE MUSHROOM FOR SENSING APPLICATIONS	Melvin Pacquiao
D1_096_PA	EFFECT OF KAOLIN AND METAKAOLIN ON PHYSICAL AND MECHANICAL PROPERTIES OF CEMENT	Kantapon Naksompan
D1_107_PA	MECHANICAL PERFORMANCE OF STYRENIC-BASED THERMOPLASTIC ELASTOMER REINFORCED WITH TRIETHOXYVINYLSILANE-TREATED PINEAPPLE LEAF FIBER	Sunan Saikrasun
D1_112_PA	STUDY ON FRACTURE TOUGHNESS OF GLASS POWDER REINFORCED COMPOSITE	Pithiwat Somsingkom
D1_121_PA	THE EFFECTS OF TANNIN COATING SOLUTION EXTRACTED FROM ASTRIGENT PERSIMMON ON PAPER PROPERTIES	Suteera Witayakran
D1_151_PA	EFFECT OF MODIFICATION OF EGGSHELL ON MECHANICAL PROPERTIES OF NATURAL RUBBER COMPOSITES	Bandit Khamsri
D1_160_PA	POROUS ORDERED GRAPHENE QUANTUM DOT/TiO ₂ PHOTOCATALYST FROM COLLOIDAL CRYSTAL CO-ASSEMBLY	Thammanoon Thaweechai
D1_172_PA	EFFECT OF VULCANIZATION SYSTEMS ON HYSTERESIS OF NATURAL RUBBER	Sukontip Suethao
D1_187_PA	EFFECT OF COMPOUND FORMULATION OF MECHANICAL PROPERTIES OF NATURAL LATEX FOAM	Cataleeya Imkaew
D1_188_PA	IN-HOUSE CONCENTRATED NATURAL LATEX: PRELIMINARY STUDY	Rungrassamee Suksup
D1_201_PF	HYDROGEN PRODUCTION FROM ETHANOL STEAM REFORMING OVER Ni/SiC DERIVED FROM RICE HUSK	Thidarat Lohapaiboonkul
D1_204_PA	STUDY OF SCAFFOLDS FROM ALBUMIN AND ITS RELATED PROPERTIES	Thridsawan Prasopdee
D1_215_PA	SUPRAMOLECULAR MATERIALS OF SELF-ASSEMBLING NUCLEIC ACID COMPLEX	Pitchaya Pakornpadungsit
D1_221_PA	PREPARATION OF TITANIUM DIOXIDE AS UV ABSORBER FOR THE COLOR RETENTION OF NATURAL LAKE PIGMENT	Phinit Aiemsaard
D1_225_PA	PREPARATION OF BRAZILIN-SENSITIZED PHOTOCATALYSTS FOR REMOVAL OF DYE UNDER VISIBLE LIGHT IRRADIATION	Cheewita Suwanchawalit
D1_231_PA	A NOVEL HYBRIDIZED NATURAL CLAY-POLYMER COMPOSITE FOR SLOW-RELEASED PLANT HORMONE APPLICATION	Paptawan Thongdee
D1_236_PA	APPLICATION OF NATURAL COLOR FROM SAPPANWOOD IN SILICON	Jitnapa Sirirak
D1_255_PA	THE ENHANCEMENT OF OPTICAL PROPERTIES OF CsI CRYSTALS BY CO-DOPING TECHNIQUE	Imron Wadeng
D1_288_PA	COMPARISON OF STRUCTURE AND PROPERTIES OF SERICIN AND FIBROIN PRODUCED BY ERI (<i>Samia ricini</i>) CULTIVATED IN THAILAND	Jirachaya Boonyarit

SESSION E: BIOMEDICAL SCIENCE

ID	Title	Presenter
E1_066_PA	PRODUCTION AND CHARACTERIZATION OF STRUCTURAL PROTEIN VP1 OF THAI ENTEROVIRUS 71 (EV71) ISOLATE	Artit Wongsa
E1_077_PA	<i>Kaempferia parviflora</i> EXTRACT REDUDEDLIPID DROPLETS IN ADIPOCYTES AND HEPATOCYTES IN MICE FED ON HIGH FAT HIGH SUCROSE DIET	Supaporn Puntheeranurak
E1_084_PF	ANTICANCER EFFECTS OF CEPHARANTHINE ON HUMAN OVARIAN CANCER CELLS	Vilawan Payon
E1_086_PF	PREPARATION OF CHITOSAN:CARRAGEENAN FILM FOR CONTROLLED RELEASE OF <i>Tinospora crispa</i> EXTRACT	Pornlapud Keawvilai
E1_088_PF	ANTIMICROBIAL AND ANTIBIOFILM FORMATION ACTIVITIES OF CINNAMALDEHYDE ON BACILLUS SPECIES IN VITRO STUDIES	Kannika Singrueangratsit
E1_094_PF	THE STEM ANATOMY AND CONTROLLED RELEASE OF <i>Stephania venosa</i> (Blume) Spreng	Tripatchara Atiratana
E1_101_PF	PREVALENCE OF SOIL-TRANSMITTED HELMINTHS IN RURAL COMMUNITIES OF KHON KAEN PROVINCE, NORTHEAST THAILAND	Chivorn Leang
E1_105_PF	THE HISTONE DEACETYLASE INHIBITOR SODIUM BUTYRATE REDUCES CELL VIABILITY AND INDUCES GLIAL DIFFERENTIATION IN GLIOBLASTOMA CELL	Sirawit Srikor
E1_110_PF	CLONING AND EXPRESSION OF A C-TERMINALLY TRUNCATED DENGUE VIRUS NS1 GENE IN METHYLOTROPHIC YEAST, <i>Pichia pastoris</i>	Nithipong Mapratiep
E1_139_PF	REPLICATION EFFICIENCY AND DIRECT EFFECT OF THE CLINICAL ISOLATES OF DENGUE VIRUS SEROTYPE 4 IN THE MOSQUITO CELL LINES	Suttikarn Apichirapokey
E1_145_PF	A CASE STUDY OF A THAI FEMALE BABY WITH A PURE MALE 46,XY KARYOTYPE: ANDROGEN INSENSITIVITY SYNDROME (AIS)	Kannika Pratoompuk
E1_154_PF	RADIOPROTECTIVE EFFECT OF RICEBERRY, MUSER PURPLE RICE AND PERICARP OF MANGOSTEEN ON GAMMA IRRADIATION IN HUMAN LYMPHOCYTE CELLS	Monchanok Bumrungchai
E1_170_PA	DISSECTING THE FOXO3A-FOXM1 AXIS IN CANCER PROGRESSION USING SINGLE-CELL SYSTEMS BIOLOGY	Maliwan Kamkaew
E1_211_PF	SYNERGISTIC EFFECT OF CELECOXIB AND CEPHARANTHINE IN HUMAN COLORECTAL CANCER CELLS	Parawee Lerdwanangkun
E1_254_PF	MOLECULAR CLONING AND EXPRESSION OF HUMAN ENTEROVIRUS 71 VP2 CAPSID PROTEIN	Kunjimas Ketsuwan
E1_256_PF	EXPRESSION OF MIR-16 AND MIR-126 DURING ERYTHROPOEISIS	Kate Kaewsangthongcharoen
E1_257_PF	THE OPTIMIZED CONDITION FOR LENTIVIRUS VECTOR CARRYING shRNA TRANSDUCTION TO HUMAN ERYTHROID PROGENITOR CELLS	Pornprom Promrungrueng
E1_280_PA	THE OPTIMAL IMMUNOHISTOCHEMICAL STAINING CONDITIONS FOR AN EXPRESSION OF ENGRAILED 1 (EN1) GENE IN THE FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE OF INVASIVE (INFILTRATING) BREAST CARCINOMA	Chetana Ruangpratheep

ID	Title	Presenter
E1_307_PA	PERIOSTIN IS INCREASED IN COLORECTAL CANCER PATIENTS AND HAS A PROLIFERATION INDUCTION EFFECT ON CANCER CELLS	Ekapot Singsuksawat
E1_901_PA	HIGH EXPRESSIONS OF LAMININ AND b4 INTEGRIN CONTRIBUTE TO CHOLANGIOPRINCIPAL CARCINOMA INVASION AND METASTASIS	Tuangporn Suthiphongchai

SESSION F: BIOCHEMISTRY / BIOTECHNOLOGY

ID	Title	Presenter
F1_029_PA	ISOLATION AND CHARACTERIZATION OF HYDROCARBON DEGRADING BACTERIA FROM LUBRICATING OIL CONTAMINATED SOIL	Kittima Kongton
F1_063_PA	A NOVEL SIMULTANEOUS AMPLIFICATION AND HYBRIDIZATION STEP FOR LAMP-LFD ASSAY TO DETECTED VIBRIO PARAHAEMOLYTICUS CAUSING ACUTE HEPATOPANCREATIC NECROSIS DISEASE	Narong Arunrut
F1_099_PA	ANTIOXIDANT CAPACITY OF NONI JUICE PRODUCTS COMPARED TO FRESH NONI JUICE	Prasan Swatsitang
F1_111_PF	FLUORESCENT LABELING OF UvrB FOR MECHANISTIC STUDY OF DNA DAMAGE DETECTION IN BACTERIAL NUCLEOTIDE EXCISION REPAIR	Thanyalak Kraithong
F1_116_PA	ENHANCEMENT OF POLYHYDROXYALKANOATES (PHAs) IN CYANOBACTERIA <i>Arthospira</i> sp.	Wuttinun Raksajit
F1_122_PF	GALANGIN INHIBITS PROLIFERATION AND MIGRATION AND INDUCES APOPTOSIS IN CHOLANGIOPRINCIPAL CARCINOMA CELLS	Kornwipa Tanwattanakul
F1_123_PF	INVESTIGATION OF THE ANTICANCER ACTIVITY OF PIPERINE IN CHOLANGIOPRINCIPAL CARCINOMA CELLS	Poramin Boonbanjong
F1_124_PF	SCREENING OF COMPOUNDS WITH NEUROGENIC INDUCTION PROPERTY USING HUMAN PLURIPOTENT STEM CELLS AS A PLATFORM	Chatbenja Pakiranay
F1_125_PF	A FLAVONOID FROM <i>Houttuynia cordata</i> : ISOLATION AND ITS ANTI-CERVICAL CANCER ACTIVITIES	Angkana Jantimaporn
F1_130_PA	RAWCASSAVA STARCH DEGRADING ENZYME PRODUCTION USING AGRO-INDUSTRIAL WASTE MIXTURES IN SOLID STATE FERMENTATION BY THERMOTOLERANT <i>Rhizopus microspores</i> AND ITS APPLICATION FOR GLUCOSE PRODUCTION	Srisakul Trakarnpaiboon
F1_131_PA	CLONING, EXPRESSION AND CHARACTERIZATION OF POLY(L-LACTIDE)- DEGRADING ENZYME FROM <i>Laceyella sacchari</i> LP175 IN <i>Escherichia coli</i> AND APPLICATION OF RECOMBINANT ENZYME FOR HYDROLYSIS OF POLY(L-LACTIDE) POLYMER	Thanasak Lomthong
F1_147_PF	PREPARATION OF MICRO-CRYSTALLINE CELLULOSE FROM CATTAIL (<i>Typha angustifolia</i> L.) IN SALINE SOIL	A-roonrat Uthaiku
F1_150_PA	ANTICANCER EFFECTS OF CISPLATIN AND THE EXTRACTS OF THAI NONI (<i>Morinda citrifolia</i> Linn.) FRUIT JUICE PRODUCTS IN COMBINATION ON A CERVICAL CANCER CELL LINE	Thanaset Senawong
F1_162_PA	EXPRESSION AND PURIFICATION OF <i>Bacillus megaterium</i> PENICILLIN G ACYLASE IN <i>Escherichia coli</i> CELL SYSTEM	Thepparit Traisaranakul

ID	Title	Presenter
F1_164_PA	COMPARATIVE PROTEOME AND PEPTIDOMIC ANALYSIS OF RUBBER LATEX SERUM FROM PATHOGENIC FUNGI TOLERANT AND SUSCEPTIBLE RUBBER TREE (<i>Hevea brasiliensis</i>)	Phattara-orn Havanapan
F1_173_PF	DEVELOPMENT OF THE RECOMBINANT ATG8 PROTEIN FOR STUDYING AUTOPHAGIC ACTIVITIES IN MICROALGAE	Pawaree Thanapipatpong
F1_176_PF	MASS ALGAL PRODUCTION OF <i>Dunaliella salina</i> KU 11 USING NATURAL SALINE WATER RESOURCES IN NORTHEASTERN THAILAND	Zhe Wu
F1_178_PF	ANTIGENIC PROTEINS IDENTIFICATION AND DEVELOPMENT OF PROBIOTIC- <i>Bacillus</i> sp. AS A DELIVERY SYSTEM FOR STREPTOCOCCOSIS CONTROL IN NILE TILAPIA (<i>Oreochromis niloticus</i>)	Chamaiporn Chalongkhwan
F1_183_PF	ANALYSIS OF PLANT CELL WALL BINDING PROTEINS At2g41800, At2g41810 and At3g08030	Wasawat Dumrongthawatchai
F1_186_PF	KINETIC STUDIES OF WILD-TYPE AND MUTANT <i>Staphylococcus aureus</i> DIHYDROFOLATE REDUCTASE (SaDHFR) FOR DRUG DISCOVERY	Sirikanya Thampradid
F1_192_PA	SYNERGISTIC ANTICANCER EFFECTS OF 5-FLUOROURACIL AND THE EXTRACTS OF THAI NONI (<i>Morinda citrifolia</i> Linn.) FRUIT JUICE PRODUCTS ON CHOLANGIOPRINCIPAL CANCER (CCA) CELL LINES	Gulsiri Senawong
F1_193_PF	FUNCTIONAL ANALYSIS OF CD147 IN NEURAL DIFFERENTIATION OF HUMAN PLURIPOTENT STEM CELLS	Akarachai Kongwimarn
F1_203_PF	COMPUTATIONAL SCREENING OF TRIPEPTIDES AGAINST KINASE-DOMAIN FOR HUMAN EPIDERMAL GROWTH FACTOR RECEPTOR 2 (HER2)	Bundit Boonyarit
F1_209_PF	PRELIMINARY ANALYSIS OF ACL1 PROMOTER IN YARROWIA LIPOLYTICA	Narisa Poonsub
F1_247_PF	YEAST DIVERSITY IN THE AREA OF UBON RATCHATHANI ZOO (NORTHEASTERN BOTANICAL GARDEN: DONG FA HUAN)	Phaphian Simachan
F1_302_PF	QUANTIFICATION OF GENETICALLY MODIFIED RICE Bt63 BY USING REAL-TIME PCR	Watiporn Yenchum

SESSION G: AGRICULTURAL SCIENCE

ID	Title	Presenter
G1_007_PF	<i>Burkholderia thailandensis</i> : A POTENTIAL DICHLOORVOS DEGRADING BACTERIUM FOR BIOREMEDIATION	Parichat Phumkhachorn
G1_021_PA	MICRO-BUBBLES PROMOTES THE GROWTH OF HYDROPONIC 'COS' LETTUCE	Parichat Saelai
G1_037_PA	CELLULASE PRODUCTION FROM BRAN AND STRAW OF RICE BY <i>Trichoderma viride</i> FOR BIOETHANOL PRODUCTION FROM ALGAE (<i>Cladophora glomerata</i>)	Kangsdan Boonprab
G1_049_PA	CRYOPRESERVATION OF <i>Arundina graminifolia</i> PROTOCORMS USING ENCAPSULATION-DEHYDRATION, DROPLET-VITRIFICATION, AND CRYO-PLATE METHODS	Kanchit Thammasiri
G1_052_PA	PREPARATION AND PROPERTIES OF CASSAVA STARCH AND SODIUM ALGINATE BEAD FOR ENCAPSULATION OF HERBICIDE	Sa-Ad Riyajan

ID	Title	Presenter
G1_117_PA	EFFECTS OF 6-BENZYLAMINOPURINE AND LIGHT SOURCES ON TISSUE CULTURE OF <i>Dendrobium hercoglossum</i> Rchb.f.	Khemmaporn Trakonthanasoontorn
G1_142_PA	DEVELOPMENT OF ENCAPSULATION TECHNIQUE FOR IN VITRO CONSERVATION OF <i>Curcuma zedoaria</i> (Christm.) Roscoe	Kosol Saligupta
G1_166_PA	SIDEROPHORE PRODUCTION OF ACTINOMYCETES ISOLATED FROM VERMICAST UNDER SALINE CONDITION	Tiraporn Kanokchan
G1_223_PA	AUXIN HORMONE PRODUCTION OF A <i>Streptomyces</i> sp. BBUU144 ISOLATED FROM VERMICAST UNDER SALINE CONDITION	Jirawan Sitisuanjik
G1_252_PF	ANTIOXIDANT AND SUN PROTECTION ACTIVITIES OF COFFEE BERRY PULP EXTRACTS	Wannisa Vichit
G1_267_PA	EFFECT OF DROUGHT AND SALT STRESS ON SEEDLING GROWTH AND GRAN ANTHOCYANIN ACCUMULATION OF INDIGENOUS COLORED RICE	Sathanan Sihawong

SESSION H: BIOLOGY / BIODIVERSITY

ID	Title	Presenter
H1_003_PA	IN-VITRO DETERMINATION OF CHOLESTEROL LOWERING PROPERTY OF SELECTED PROBIOTIC FROM FRUITS AND VEGETABLES	Monthon Lertcanawanichakul
H1_012_PF	ROOT ANATOMY OF <i>Vanda denisoniana</i> Ben.&Rchb.f.	Charunee Meechou
H1_018_PA	DIVERSITY, ECOLOGY AND GEOMETRIC MORPHOMETRICS OF FRESHWATER SNAIL (GASTROPODA) IN CHIANG MAI PROVINCE	Nithinan Chomchoei
H1_019_PF	A SURVEY OF HELMINTHS IN SWAMP EEL <i>Monopterus albus</i> (Zuiw, 1793) FROM HANG DONG DISTRICT, CHIANG MAI PROVINCE	Krittika Na Chiangmai
H1_020_PF	A SURVEY OF ECTOPARASITIC PROTOZOA OF SOME ORNAMENTAL FISHES FROM FISH SHOP IN MEUANG DISTRICT, CHIANG MAI PROVINCE	Keerati Apiwong
H1_032_PA	DIVERSITY OF YEASTS ISOLATED FROM FRAGRANT FLOWERS AND THEIR INVERTASE ACTIVITY	Chommanat Kerdkhong
H1_040_PF	LARVAL STAGE INFECTION OF TREMATODES IN SOME FRESHWATER SNAILS FROM SOME PROVINCES OF NORTHERN THAILAND	Chalobol Wongsawad
H1_061_PF	SCREENING AND OPTIMIZATION OF POLYHYDROXYALKANOATES PRODUCTION BY <i>Bacillus thuringiensis</i>	Sudarat Saechow
H1_132_PF	COMPOSITION AND ABUNDANCE OF DECAPOD CRUSTACEANS ON DEAD COLONIES OF THE CORAL <i>Pocillopora damicornis</i> AT MU KO ANGTHONG, SURAT THANI PROVINCE	Parichat Niyomthai
H1_136_PF	COMPOSITION OF MEIOFAUNAL COMMUNITIES AT MU KO ANGTHONG NATIONAL PARK, SURAT THANI PROVINCE	Siriluck Rongprakhon
H1_141_PA	THE APPLICATION OF HIGH POTENTIAL BIOCONTROL ACTINOMYCETES FOR CONTROLLING <i>Phytophthora</i> sp. AND <i>Erwinia chrysanthemi</i> in <i>Dendrobium</i> ORCHID	Chatsuda Sakdapetsiri

ID	Title	Presenter
H1_181_PF	IMPORTANCE OF ORGANIC NITROGEN IN ENHANCING CUTICLE DEGRADING ENZYME PRODUCTION	Suthida Jaroonroj
H1_195_PF	BIOMASS INCREASE OF <i>Chlorella</i> sp. BY TRYPTONE	Sirinaree Supansomporn
H1_224_PF	SOIL WATERING, FERTILIZER AND PLANT HORMONE ENHANCE EFFICIENCY OF PHOTOSYSTEM II OF THE TRANSPLANTED LICHEN <i>Parmotrema tinctorum</i> (DESPR. EX NYL.) HALE	Mongkol Phaengphech
H1_234_PF	ISOLATION AND IDENTIFICATION OF POTENTIAL HYDROCARBON UTILIZING AND HEAVY METAL RESISTANT BACTERIA FROM MINING SOIL IN A ZINC MINE, THAILAND	Namfon Bunraksa
H1_245_PF	COMPOSITION AND DIVERSITY OF ZOOPLANKTON IN CORAL COMMUNITIES AT MU KO CHANG, TRAT PROVINCE	Orathep Muresare
H1_253_PA	ISOLATION AND CHARACTERIZATION OF XYLANOLYTIC BACTERIA FROM THE GUT OF HIGHER TERMITE, <i>Termites propinquus</i>	Jira Sakolvaree
H1_261_PF	ABUNDANCE AND COMPOSITION OF MACROFAUNA ON SANDY BEACHES AT PAK NAM PRASAE AND HAT MAE RUM PEUNG, RAYONG PROVINCE	Laongdow Jungrak
H1_262_PF	THE DISTRIBUTION OF HORSE MUSSEL <i>Modiolus modulaides</i> ON THE WEST SIDE OF KO MAPHAO, PHUKET, THE ANDAMAN SEA	Itzaree Rattanasri
H1_263_PF	BIOEROSION BY THE SEA URCHIN (<i>Diadema setosum</i>) IN CORAL COMMUNITIES AT KO NGAM YAI, CHUMPHON PROVINCE	Suphakarn Phoaduang
H1_264_PF	ASSOCIATED CRUSTACEAN DECAPODS ON <i>Pocillopora damicornis</i> AFTER THE 2010 CORAL BLEACHING EVENT IN THE GULF OF THAILAND	Montaphat Thummasan
H1_268_PA	MORPHOLOGICAL RESPONSES OF SALT AND DROUGHT TOLERANT RICE TO FLOODING STRESS AT GERMINATION STAGE	Kanticha Manoo
H1_271_PF	SPATIAL AND TEMPORAL VARIATIONS OF JUVENILE CORAL DENSITIES AT MU KO SIMILAN, THE ANDAMAN SEA FOLLOWING THE 2010 CORAL BLEACHING EVENT	Juthamart Putthayakool
H1_273_PF	ISOLATION AND IDENTIFICATION OF ENDOPHYTIC ACTINOMYCETES FROM HALOPHYTES AND THEIR PLANT GROWTH PROMOTIONS	Supattra Thammason
H1_276_PA	PETROLEUM HYDROCARBON-DEGRADING BACTERIA ISOLATED FROM MARINE SPONGE IN THE EASTERN COAST OF THE GULF OF THAILAND	Chanokporn Muangchinda
H1_277_PF	ASSESSING LONG-TERM CORAL RECOVERY AT MU KO SURIN, THE ANDAMAN SEA AFTER THE 2010 CORAL BLEACHING EVENT	Sittiporn Pengsakun
H1_279_PF	CORAL RECRUITMENT ON SETTLEMENT PLATE EXPERIMENTS IN CORAL COMMUNITIES AT MU KO SAMET, RAYONG PROVINCE	Wiphawan Aunkhongthong
H1_281_PF	THE COMPOSITION AND ABUNDANCE OF INTERNAL BORERS IN DEAD COLONIES OF A MASSIVE CORAL (<i>Porites lutea</i>) AT KO KHANGKHAO, CHOBURI PROVINCE	Akkharat Sangaroon
H1_284_PF	COMPOSITION AND DENSITY OF FORAMINIFERA ON CORAL COMMUNITIES IN THE EASTERN AND WESTERN GULF OF THAILAND	Supatsara Ruknawee

ID	Title	Presenter
H1_308_PA	TAXONOMY IDENTIFICATION OF <i>Trichuris</i> sp. IN ASIAN ELEPHANT (<i>Elephas maximus</i>) IN CHIANG MAI NIGHT SAFARI	Peeranan Kanthiyah

SESSION I: FOOD SCIENCE

ID	Title	Presenter
I1_004_PA	PRODUCTION OF KHAO-LARM FROM GERMINATED BROWN RICE	Narin Charoenphun
I1_071_PF	APPLICATION OF RESPONSE SURFACE METHODOLOGY FOR EXTRACTION OPTIMIZATION OF PROTEIN HYDROLYSATE FROM HARD CLAM (<i>Meretrix casta</i>) BASED ON ANTIOXIDANT	Nopparat Mahae
I1_148_PF	COMPARISON STUDY ON SELECTED FUNCTIONAL PROPERTIES OF COCONUT PROTEINS Affected BY DEAMIDATION METHODS.	Supichcha Kunarayakul
I1_218_PF	ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF KHLU (<i>Pluchea indica</i> (L.) Less.) MIXED DICHLOROMETHANE/ETHYL ACETATE EXTRACTS	Anootsara Pinyo
I1_287_PA	EXTRACTION AND FUNCTIONAL PROPERTIES OF TOTAL, SOLUBLE, AND INSOLUBLE DIETARY FIBRES DERIVED FROM DEFATTED RICE BRAN	Sukuntaros Tadakittisarn
I1_289_PA	PHYSICOCHEMICAL AND FUNCTIONAL PROPERTIES OF PROTEIN AND PROTEIN HYDROLYSATES FROM COLD PRESSED RICE BRAN	Thanyaluk Seelachan

SESSION J: ENERGY / ENVIRONMENTAL & EARTH SCIENCE

ID	Title	Presenter
J1_027_PF	ADSORPTION OF DICLOFENAC FROM AQUEOUS SOLUTION USING CHITOSAN-MODIFIED WASTE TIRE CRUMB RUBBER	Warintorn Phasuphan
J1_031_PF	PRODUCTION OF ACTIVATED CARBON FROM BAGASSE BY PHYSICAL ACTIVATION FOR CHROMIUM(VI) ADSORPTION	Wuttichai Somyanonthanakun
J1_042_PF	OXIDATION STATE OF Fe IN TEKTITE SAMPLES FROM INDOCHINITE STREWN FIELD	Natthapong Monarumit
J1_043_PF	CHARACTERIZATION OF BLUE SAPPHIRES FROM BAN BO KAEW AND BAN NA POON DEPOSITS, PHRAE PROVINCE, THAILAND	Jidapa Mogmued
J1_044_PF	THE INTERNAL FEATURES OF TRAPICHE SAPPHIRES FROM PHRAE PROVINCE, THAILAND	Nopsapon Boonrawd
J1_045_PF	FWHM CALCULATION OF ZIRCON SAMPLES BEFORE AND AFTER IRRADIATED AND HEAT TREATMENT	Rattanawalee Chooyoung
J1_046_PF	THERMAL ENHANCEMENT OF ZIRCON SAMPLES FROM VARIOUS LOCALITIES	Pilantana Wattananurak
J1_050_PF	REAL-TIME ENVIRONMENTAL MONITORING SYSTEM AT KHUNG BANG KACHAO	Yotsarayuth Seekaew

ID	Title	Presenter
J1_053_PF	GEOTOURISM IN DEN CHAI AND WANG CHIN DISTRICTS, PHRAE PROVINCE, NORTHERN THAILAND	Kanokporn Jewsakul
J1_081_PF	MEANDERING DEVELOPMENT DURING 30 YEARS OF MUN RIVER, BURIRAM, THAILAND	Prapawadee Srisunthon
J1_102_PF	RICE STRAW DEGRADATION BY TROPICAL SOIL FUNGI UNDER LIQUID AND SOLID STATE FERMENTATION	Pradub Reanprayoon
J1_113_PA	ADSORPTION STUDIES OF DYES ON VARIOUS ACTIVATED CARBONS DERIVED FROM AGRICULTURAL WASTES	Viramon Jarukarn
J1_134_PF	CHARACTERISTICS OF BASALT RELATED TO DENCHAI SAPPHIRE DEPOSIT, NORTHERN THAILAND	Ladda Tangwattananukul
J1_135_PA	THE STUDY OF CORONA DISCHARGE FOR WATER TREATMENT	Weerayut Jantarat
J1_143_PA	BIOTITE MINERAL CHEMISTRY OF GRANITIC ROCKS IN WANG NAM KHIAO AREA, NAKHON RATCHASIMA, THAILAND: PETROGENETIC IMPLICATION	Alongkot Fanka
J1_155_PA	ADSORPTION STUDIES OF METALS ON VARIOUS ACTIVATED CARBONS DERIVED FROM AGRICULTURAL WASTES	Thitima Chaunsupak
J1_167_PA	GOETHITE (α -FeOOH) AND HYDROUS FERRIC OXIDE (HFO) IN As-RICH GOSSAN FROM A GOLD DEPOSIT	Thitiphan Assawincharoenkij
J1_174_PF	APPLICATION OF GEOGRAPHIC INFORMATION SYSTEM TO PREDICT DISTRIBUTION OF <i>Burkholderia pseudomallei</i> IN KHON KAEN PROVINCE	Ratchanok Promlurngsri
J1_190_PA	EFFICIENCY OF PINEAPPLE PEEL BIOFERMENTED LIQUID FOR TREATING RESTAURANT WASTEWATER	Ratchawut Kotlakome
J1_194_PA	ADSORPTION OF 2,4-D HERBICIDES BY COFFEE WASTE WITH BATCH METHOD	Butsakorn Srivicha
J1_200_PF	SURFACE MORPHOLOGY COMPARISON BETWEEN NATURAL AND IRRADIATED DIAMOND SAMPLES USING ATOMIC FORCE MICROSCOPE	Muzdareefah Thudsanapbunya
J1_206_PF	THE HETEROGENEOUS CATALYST PELLETS DERIVED FROM WASTE OYSTER SHELL FOR BIODIESEL PRODUCTION	Apisit Prokaw
J1_207_PA	GROUNDWATER QUALITY STUDY FOR UTILIZATION AND CONSUMPTION: THE CASE OF BAAN NON-NHON, Ubon Ratchathani	Arachaporn Wilamas
J1_240_PF	ACCUMULATION OF Cd, Zn AND Pb IN FRESHWATER FISHES AT PHICHIT PROVINCE AND THEIR POTENTIAL RISK FROM INGESTION EXPOSURE	Achaya Wongthongdee
J1_258_PF	CHARATERIZATION OF COPPER PROMOTED SILICA SUPPORTED COBALT CATALYSTS FOR ENHANCING THE METHANOL SELECTIVITY IN FISCHER-TROPSCH SYNTHESIS	Piyasak Akcaboot
J1_272_PF	BIOSORPTION OF ACID RED SOLUTIONS BY MARGINAL PLANT, <i>Typha angustifolia</i> BIOMASS	Wattanachai Pathomsiriwong
J1_278_PF	ENERGY MANAGEMENT IN CHEMICAL CONSTRUCTION INDUSTRIAL: A CASE STUDY OF SMALL CEMENT INDUSTRY	Patchun Chansri

SESSION K: SCIENCE EDUCATION & COMMUNICATION

ID	Title	Presenter
K1_068_PA	COMPARING OF SCORE ACHIEVEMENTS BETWEEN SUBJECTIVE TESTS AND OBJECTIVE TESTS ABOUT THE BASIC DESCRIPTIVE STATISTICS OF THE STUDENTS OF RAJAMANGALA UNIVERSITY OF TECHNOLOGY LANNA, CHIANGMAI, THAILAND	Mingkwan Gunjina
K1_304_PF	THE PERCEPTION AND PRACTICE ACCORDING TO ETHICS AND PRINCIPLES OF NEWSPAPER PROFESSIONALS THROUGH INFOGRAPHIC MEDIA DEVELOPMENT: A CASE STUDY OF POR TRIDSADEE SAHAWONG	Supattra Sripatchim
K1_305_PF	THE DEVELOPMENT OF LEARNING RESOURCES “CHULA KITE LOCAL WISDOM” OF SUAN THONBURIOM COMMUNITY THROUGH SOCIAL SERVICE LEARNING APPROACH BY STUDENTS FROM FACULTY OF INDUSTRIAL EDUCATION AND TECHNOLOGY, KMUTT	Kansombat Mateeboonviriyakul
K1_306_PF	DESIGNING FRAMEWORK OF CLOUD-BASED LEARNING ENVIRONMENT ON CONNECTIVISM THEORY TO ENHANCE MEDIA LITERACY AND CRITICAL THINKING FOR YOUTHS	Vitsanu Nittayathammakul

