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## PROGRAM

**Wednesday, February 5<sup>th</sup>, 2014**

- 15.00-18.00**    **Registration** (Foyer 5<sup>th</sup> level)  
**15.00-19.00**    **Poster Set Up: All Groups** (Ballroom 2)

**Thursday, February 6<sup>th</sup>, 2014**

- 07.00-17.00**    **Registration** (Foyer 5<sup>th</sup> level)  
**08.30-09.00**    **Congress Opening** (Grand Ballroom)

**Welcome Address by Professor Banchong Mahaisavariya**

President, Council of the Graduate Studies Administrators of Public and Autonomous Universities (CGAU) and Dean, Faculty of Graduate Studies, Mahidol University

**Address by Assoc. Prof. Kamjorn Tatiyakavee**

Deputy Secretary-General, Commission, on Higher Education, Ministry of Education, *THAILAND*

**Opening Remarks by Professor Rajata Rajatanavin**

President, Mahidol University

**Moderator:** Anadi Nitithamyong, Deputy Dean for International Affairs, Faculty of Graduate Studies, Mahidol University

- 09.00-09.30**    **Keynote Lecture 1** (Grand Ballroom)  
**Postgraduate Education and Research Excellence**  
**M.R. Jisnuson Svasti**  
*Chulabhorn Research Institute, Thailand*
- 09.30-10.00**    **Keynote Lecture 2** (Grand Ballroom)  
**ASEAN University Networking and Initiatives for ASEAN 2015**  
**Nantana Gajasen**  
*ASEAN University Network Executive Director, Thailand*
- 10.00-10.30**    **Coffee Break**

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Thursday, February 6<sup>th</sup>, 2014

**10.30-12.00 Keynote Panel Discussion Session P1: Trends of Medical Research and Education in ASEAN**  
**Moderator: Banchong Mahaisavariya, Mahidol University, Thailand**  
**(Grand Ballroom)**

**10.30-11.00 P1-1**  
**Medical Education in ASEAN in 2015 & Beyond”**  
**Prasit Watanapa**  
*Mahidol University, Thailand*

**11.00-11.30 P1-2**  
**From Research to Commercialization in Biomedical Engineering**  
**Youngho Kim**  
*Yonsei University, Korea*

**11.30-12.00 P1-3**  
**Innovation in Medical Devices from Research to Industry**  
Kriskrai Sitthiseripratip  
National Metal and Materials Technology Center (MTEC), *Thailand*

Thursday, February 6<sup>th</sup>, 2014

**10.30-12.00 Oral Presentation Session BS1: Biological Science 1**  
**Chairperson:**  
**(Galleria 1)**

**10.30-10.45 O-BS001**  
COMPARISON OF CD4 T LYMPHOCYTE IN PARAFORMALDEHYDE-BASED FIXATION AND WU-MET CD4 QC<sup>®</sup> PREPARATION PROTOTYPE  
**Issara Prachongsai**, Jiraporn Jaroenpool, Egarit Noulsri, Kovit Pattanapanyasat

**10.45-11.00 O-BS002**  
REDOX ENZYMES IN *Pseudomonas aeruginosa*: NOVEL STRATEGIES FOR DRUG-TARGETING DESIGN AGAINST INFECTIOUS DISEASES  
**Adisak Romsang**, Jintana Duang-nkern, Paiboon Vattanaviboon, Skorn Mongkolsuk

**11.00-11.15 O-BS003**  
COMPARATIVE PROTEOMIC ANALYSIS OF HUMAN CHOLANGIOCARCINOMA CELL LINES  
**Kasima Wasuworawong**, Sittiruk Roytrakul, Waraporn Komyod

**11.15-11.30 O-BS004**  
DETECTION OF DENGUE VIRUS BY REVERSE-TRANSCRIPTION HELICASE-DEPENDENT AMPLIFICATION  
**Eishika Dissanayake**, Photchanathorn Prombun, Nuntaya Pornmun, Wansika Kiatpathomchai, Prida Malasit, Prapat Suriyaphol

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**11.30-11.45 O-BS005**

EXOME-SEQUENCING, WITH PRIOR LINKAGE ANALYSIS, IDENTIFIES A CANDIDATE GENE CAUSING MATURITY-ONSET DIABETES OF THE YOUNG (MODY) IN THAIS FAMILY

Ninareeman Binnima, Watip Tangjittipokin, Kanchana Chanprasert, Jatuporn Sujitjooon, Prapaporn Jungtrakoon, Pa-thai Yenchitsomanus, Nattachet Plengvidhya

**11.45-12.00 O-BS006**

ANTIMICROBIAL PEPTIDE, LL-37, AS A POTENTIAL VAGINAL CONTRACEPTIVE

Nopparat Srakaew, Charlene D. Young, Arpornrad Sae-wu, Hongbin Xu, Krista L. Quesnel, Riccardo di Brisco, Kessiri Kongmanas, Duriya Fongmoon, Greanggrai Hommalai, Wattana Weerachatanukul, Susan H. Hall, Yong-Lian Zhang, Luigi Panza, Laura Franchini, Federica Compostella, Terry W. Pearson, Robert E. Hancock, Richard J. Oko, Louis S. Hermo, Nongnuj Tanphaichitr

**12.00-12.15 O-BS007**

CLONING AND TRANSFORMATION OF AMORPHA -4,11-DIENE SYNTHASE (ADS) AND CYTOCHROME P450 MONOOXYGENASE(CYP71AV1)GENES TO *Artemisia annua* L. PLANT

Darunmas Sankhuan, Srimek Chaopongpang, Chalernpol Kirdmanee, Kanyaratt Supaibulwatana

**Thursday, February 6<sup>th</sup>, 2014**

**10.30-12.15 Oral Presentation Session MS1: Health Science 1**

**Chairperson:**

(Galleria 2)

**10.30-10.45 O-MS001**

RELATIONSHIPS AMONG AUTONOMY, HEALTH LITERACY, FOOD INSECURITY, AND DISEASE CONTROL OF PATIENTS WITH DIABETES TYPE II AND/OR HYPERTENSION

Supaporn Kongprom, Napaporn Wanitkun, Tipa Towsakulkaw

**10.45-11.00 O-MS002**

ASYMMETRY MEASUREMENT ON SIMULATION MODEL

Salesse Nicolas, Passiri Nisalak, Nita Viwattanatipa, Phongsathorn Pothongkam, Nattapol Tangjit

**11.00-11.15 O-MS003**

EVALUATION OF STRESS DISTRIBUTION ON TWO CRANIOFACIAL IMPLANTS IN IMPLANT-RETAINED AURICULAR PROSTHESIS USING HADER BAR ATTACHMENT DESIGN AND DIFFERENT REMOVAL ANGULATION: A FINITE ELEMENT METHOD.

Ahmed Abbas, Peerapong Santiwong, Teeranoot Chanthasopeephan, Amornrat Wonglamsam, Theerathavaj Srithavaj

**11.15-11.30 O-MS004**

IMAGE MATCHING FOR RADIOGRAPHIC POSITIONING

Busara Soontornwichakarn, Yudthaphon Vichianin, Chiraporn Tocharoenchai, Junji Morishita

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**11.30-11.45 O-MS005**

AMOUNT OF TOOTH MOVEMENT GENERATED BY TWO DIFFERENT ORTHODONTIC FORCE APPLICATIONS

Nalinee Srianantanon, Supatchai Boonpratham, Suwannee Luppanapornlarp, Rudee Surarit

**11.45-12.00 O-MS006**

STABILITY OF MINISCREWS AT DIFFERENT TIME POINTS, MEASURING FROM CONE-BEAM CT

Prasanpong Pongsamart, Suwannee Luppanapornlarp, Supatchai Boonpratham, Suchaya Pornprasertsuk-Damrongsri

**12.00-12.15 O-MS007**

PREDICTING FACTORS OF ATRIAL FIBRILLATION IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFTING

Nopparat Opasvipada

Thursday, February 6<sup>th</sup>, 2014

**10.30-12.15 MU Distinguished Thesis Award Presentation Session 1: Physical Science and Technology**

**Chairperson:**

**(Galleria 3)**

**10.30-10.50 ST-D-01**

SURFACE PROPERTIES AND HYDROPHOBIC RECOVERY BEHAVIOR OF CORONA TREATED POLYPROPYLENE (PP) FILMS

**Nanticha Kalapat**

**10.50-11.10 ST-D-02**

DATA MINING FOR DEVELOPMENT OF BIOACTIVE COMPOUNDS AND ASSESSMENT OF HEALTH PARAMETERS

**Apilak Worachartcheewan**

**11.10-11.30 ST-D-03**

EVALUATION OF BIOACTIVE COMPONENTS AND BIOLOGICAL ACTIVITIES OF *STEMONA* ROOTS

**Sumet Kongkiatpaiboon**

**11.30-11.50 ST-D-04**

THERAPEUTIC POTENTIALS OF THAI MANGO SEED KERNEL EXTRACT AND THE DEVELOPMENT OF ITS PECTINATE GEL BEADS FORMULATIONS

**Saruth Nithitanakool**

**11.50-12.05 ST-M-02**

TOE CLEARANCE DURING FREE SWING OF A TRANSFEMORAL PROSTHETIC LEG: POLYCENTRIC KNEE VS ANKLE DORSIFLEXION

**Nattaporn Intawachirarat**

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**12.05-12.20 ST-M-03**

MAPPING ACTIVE FAULTS WITH SEISMIC METHOD IN KANCHANABURI PROVINCE,  
WESTERN THAILAND AND CAVITY DETECTION WITH A 2-D DC RESISTIVITY IN  
KARST TERRAIN AT MAHIDOL UNIVERSITY, KANCHANABURI CAMPUS

**Ananya Satitpittakul**

**12.20-12.35 ST-M-05**

EFFECTS OF PREGELATINIZATION ON PHYSICO-CHEMICAL PROPERTIES OF  
GERMINATED BROWN RICE FLOUR

**Kantree Ritruengdech**

**Thursday, February 6<sup>th</sup>, 2014**

**12.30-13.30 Lunch** (The Chamber)

**Thursday, February 6<sup>th</sup>, 2014**

**13.30-15.00 Keynote Panel Discussion Session P2: International Curriculum**  
**Moderator: Sansanee Chaiyaroj, Mahidol University, Thailand**  
**(Grand Ballroom)**

**13.30-14.00 P2-1**

**International Curriculum: Japan-ASEAN**

**Tatsuji Seki**

*Osaka University, Japan*

**14.00-14.30 P2-2**

**Public-Private Partnership**

**Sansanee Chaiyaroj**

*Mahidol University, Thailand*

**14.30-15.00 P2-3**

**Internationalization of Graduate Programs”**

**Porntip Kanjananiyot**

*TUSEF/Fulbright Thailand*

**Thursday, February 6<sup>th</sup>, 2014**

**13.30-15.00 Oral Presentation Session BS2: Biological Science2**  
**Chairpersons:**  
**(Galleria 1)**

**13.30-13.45 O-BS008**

DEVELOPMENT OF A SIMPLIFIED AND RAPID TWO-DIMENSIONAL THIN-LAYER  
CHROMATOGRAPHY DIRECT BIOAUTOGRAPHY BASED ON *Staphylococcus aureus*  
EXPRESSING A BLUE CHROMOPROTEIN

**Dulyarit Chindaphun**, Nongluksna Sriubolmas, Suthep Wiyakrutta

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**13.45-14.00 O-BS009**

ISOLATION AND SCREENING OF POLYLACTIC ACID-DEGRADING BACTERIA

Thippayarat Apinya, Achara Ussawarujikulchai, Narongrit Sombatsompop, Benjaphorn Prapagdee

**14.00-14.15 O-BS010**

THE EFFECT OF MICROARRAY DATA RESOLUTION ON THE INFERRED TRANSCRIPTIONAL REGULATORY NETWORK TOPOLOGY

Warodom Wirojsirasak, Treenut Saithong, Puchapat Sojikul, Papapit Hirunsirisawat, Saowalak Kalapanulak

**14.15-14.30 O-BS011**

PHENOTYPIC RESPONSES OF THAI JASMINE RICE (*Oryza sativa* L. KDML105) AND ITS MUTANTS TO SODIUM CHLORIDE STRESS

Ida Bagus Made Artadana, Kanyaratt Supaibulwatana

**14.30-14.45 O-BS012**

EFFECT OF CPPU, A SYNTHETIC CYTOKININ ON BIOCHEMICAL RESPONSES OF *Andrographis paniculata* (Burm.F.)Wall. Ex Nees

Phapawee Worakan, Kanyaratt Supaibulwatana

**14.45-15.00 O-BS013**

EFFECTS OF ROSCOVITINE ON NUCLEAR MATURATION AND FERTILIZATION OF MOUSE OOCYTES

Wanlapa Kokmas, Pornpimon Tangchaisin, Chainarong Tocharus, Teraporn Vutyavanich

Thursday, February 6<sup>th</sup>, 2014

**13.30-15.00 Oral Presentation Session SS1: Humanities, Social Science, Education and Environment 1**

**Chairpersons:  
(Galleria 2)**

**13.30-13.45 O-SS001**

FRAMING SOUTH SUDAN: THE PORTRAYAL OF SOUTH SUDAN IN INTERNATIONAL NEWS

Kari Rajatalo

**13.45-14.00 O-SS002**

APPLYING RHETORICAL STRUCTURE THEORY TO CLASSICAL CHINESE POETRY: A CASE STUDY OF *Mulan Ci*

Yushan Lu

**14.00-14.15 O-SS003**

ANALYSIS OF SOUTH KOREA NATION BRANDING STRATEGY: STRENGTHS, WEAKNESSES, AND FUTURE TRENDS

Chidchanok Yomjinda

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**14.15-14.30 O-SS004**  
ATTITUDE TOWARDS SOL-GEL LABORATORY BY GRADE TEN STUDENTS  
**Namgay Lhaden**, Supan Yodyingyong

**14.30-14.45 O-SS005**  
INTONATION IN DISCOURSE AND ITS EFFECTS ON INTELLIGIBILITY AND  
COMPREHENSIBILITY OF SPEECH  
**Patsita Boonyakanjanapaisan**, Preedaporn Srisakorn, Kornwipa Poonpon

**14.45-15.00 O-SS006**  
THE WATER FOOTPRINT ASSESSMENT OF ETHANOL FROM CASSAVA IN LOPBURI  
PROVINCE OF THAILAND  
**Anattaya Boonhuad**, Nathsuda Pumijumnog, Achara Ussawarujikulchai

Thursday, February 6<sup>th</sup>, 2014

<b>13.30-15.15 MU Distinguished Thesis Award Presentation Session 2: Health Science Chairperson: (Galleria 3)</b>
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**13.30-13.50 MS-D-05**  
A STUDY OF THE EFFECTS AND MECHANISMS OF *Curcuma comosa* ROXB. ON BONE  
**Duangrat Tantikanlayaporn**

**13.50-14.10 MS-D-06**  
ACTIVATION OF TRANSCRIPTION FACTOR: NUCLEAR FACTOR KAPPA B (NF-KB) IN  
MALARIA  
**Chuchard Punsawad**

**14.10-14.30 MS-D-07**  
THE APOPTOTIC ROLE OF CD137 SIGNALING IN DENGUE VIRUS-INFECTED HepG2  
CELLS  
**Amar Nagila**

**14.30-14.45 MS-M-02**  
STUDY OF GENETIC CHARACTERISTICS OF *Leishmania siamensis* FOR MOLECULAR  
DIAGNOSIS OF VISCERAL LEISHMANIASIS IN THAILAND  
**Atitaya Hitakarun**

**14.45-15.00 MS-M-15**  
COMPARISON OF INTRAVENOUS CEFTRIAZONE THERAPY WITH SWITCH THERAPY  
FROM INTRAVENOUS CEFTRIAZONE TO ORAL CEFDITOREN PIVOXIL IN ACUTE  
PYELONEPHRITIS  
**Teerapong Monmaturapoj**

**15.00-15.15 MS-M-26**  
A STUDY ON THE EFFECT OF DIARLYHEPTANOID ON WNT/  $\beta$ -CATENIN SIGNALING  
PATHWAY  
**Kanit Bhukhai**

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Thursday, February 6<sup>th</sup>, 2014

<b>13.30-15.00</b> <b>Poster Presentation Session 1: P-ST001-015, P-MS001-015</b> <b>Chairperson:</b> <b>(Ballroom 2)</b>
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**P-ST001:** DEVELOPMENT OF ON-MEMBRANE ANALYSIS FOR DETECTION OF GYPENOSIDES

**Monjuti Sing-ngam**, Nuttinee Suckho, Suwanna Vorarat, Watoo Phrompittayarat

**P-ST002:** DEVELOPMENT OF IMMUNOCHROMATOGRAPHIC TEST FOR THE RAPID DETECTION OF GYPENOSIDES

**Kanjana Mingmitthaikool**, Tanaporn Ekkarnjanagorn, Suwanna Vorarat, Watoo Phrompittayarat

**P-ST003:** EFFECT OF PINEAPPLE LEAF FIBER REINFORCEMENT ON MECHANICAL PROPERTIES OF NITRILE RUBBER COMPOSITE

**Ukrit Wisittanawat**, Taweechai Amornsakchai, Sombat Thanawan

**P-ST004:** 'LAB-ON-PAPER' FOR QUANTITATIVE ANALYSIS WITH DETECTION USING DIGITAL CAMERA

**Nichanun Sirasunthorn**, Natthinee Jiraphan, Saichon Sumantakul, Atitaya Siripinyanond, Taweechai Amornsakchai, Duangjai Nacapricha, Rattikan Chantiwas

**P-ST005:** THE ATTENUATION SPECTRA FROM SINGLE MODE FIBERS WITH DIFFERENT CUT-OFF WAVELENGTHS UNDER THE INFLUENCE OF THE PERIODIC MICROBENDING

**Wanvisa Talataisong**, Ratchapak Chitaree

**P-ST006:** PHENOLIC COMPOUNDS AND ANTIOXIDANT ACTIVITIES OF CORN SILK (*ZEA MAYS L.*) EXTRACT AND ITS APPLICATION IN FOOD PRODUCTS

**Samonwan Boonchan**, Aikkarach Kettawan, Uthaiwan Suttisansanee, Anadi Nitithamyong

**P-ST007:** CHEMICAL AND FUNCTIONAL PROPERTIES OF PECTIN FROM DRAGON FRUIT (*Hylocereus undatus*) PEEL

**Wipada Soonthorndhada**, Warangkana Srichamnong, Anadi Nitithamyong, Nattapol Tangsuphoom

**P-ST008:** EFFECT OF DOUBLE METAL ROUTING ON CHARGE COLLECTION OF CMS SILICON STRIP SENSOR

Alex Garabedian, Alexandra Junnkes, Burin Asavapibhop, David Tersegno, Meenakshi Narain, Narumon Suwonjandee, **Nanta Sophonrat**, Sinan Sagir, Ulrich Heintz

**P-ST009:** ZINC OXIDE XEROGEL DESULFURIZATION SORBENT: SYNTHESIS AND PROPERTIES

**Kannasoot Kannokkanchana**, Sumittra Charojrochkul, Waret Veerasai

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- P-ST010:** THE INVESTIGATION OF BIOACTIVE COMPOUNDS FROM ROOTS OF *Anogeissus rivularis* (COMBRETACEAE)  
**Wanee Sukbangnop**, Vichai Reutrakul, Patoomratana Tuchinda, Chutima Kuhakarn, Natthinee Anantachoke, Pawinee Piyachaturawat, Surawat Jariyawat, Kanoknetr Suksen
- P-ST011:** ISOLATION AND STRUCTURE IDENTIFICATION OF BIOACTIVE COMPOUNDS FROM LEAVES AND TWIGS OF *Garcinia succifolia* Kurz (GUTTIFERAE)  
**Rangsinee Hamkool**, Pawinee Piyachaturawat, Surawat Jariyawat, Kanoknetr Suksen, Darunee Soorukram, Manat Pohmakot, Vichai Reutrakul, Patoomratana Tuchinda
- P-ST012:** DENSITY FUNCTIONAL STUDY OF CARBON MONOXIDE ADSORPTION ON PT-DOPED CLOSED-END (3,3) ARMCHAIR SINGLE-WALL CARBON NANOTUBE  
**Charinee Kaewkhonkaen**, Vithaya Ruangpornvuti
- P-ST013:** QUALITY CONTROL ANALYSIS OF CRUDE DRUGS IN PRASA-KANPHLU FORMULA  
**Jirapat Saetan**, Seewaboon Sireeratawong, Nongluck Ruangwises, Noppamas Soonthornchareonnon
- P-ST014:** LOW COST TWISTED NEMATC LIQUID CRYSTAL TUNEABLE FILTER  
**Dit Prapertchob**, Ratchapak Chitaree
- P-ST015:** IRIDOIDS FROM *Tamilnadia uliginosa*  
**Nitirat Visetkit**, Tanawan Kummalue, Veena Nukoolkarn, Weena Jiratchariyakul
- P-MS001:** A RETROSPECTIVE STUDY OF FATAL FIREARM INJURIES ON AUTOPSY CASES AT RAMATHIBODI HOSPITAL, BANGKOK  
**Sithu Myint**, Wisarn Worasuwannarak, Budsaba Rerkamnuaychoke, Vichan Peonim, Suda Riengrojpitak
- P-MS002:** EFFECT OF MINDFULNESS TRAINING PROGRAM BASED ON THE FOUR FOUNDATIONS OF MINDFULNESS ON NEGATIVE AUTOMATIC THOUGHTS IN NURSING STUDENTS  
**Ratiporn Hongjuice**, Rungnapa Panitrat, Acharaporn Seeherunwong
- P-MS003:** FACTORS AFFECTING HIV-INFECTED PATIENTS' DECISION IN CLINICAL TRIAL PARTICIPATION  
**Siriwan Thitiphongpraphat**, Pirudee Pavananunt, Supreya Tansakul, Sasisopin Kiertiburanakul, Nutkamol Chansatitporn
- P-MS004:** EFFECTS OF BACK BELT APPLICATION ON TRUNK MUSCLE FATIGUE AND RATING OF PERCEIVED EXERTION DURING REPETITIVE LIFTING  
**Kanphajee Sornkaew**, Wattana Jalayondeja, Keerin Mekhora
- P-MS005:** ASSOCIATION OF DEL AND RhCcEe PHENOTYPE DISTRIBUTION AMONG 112 THAI Rh NEGATIVE BLOOD DONORS  
**Jairak Thongbut**, Pornlada Nuchnoi, Apapan Srisarin, Aungkura Supokawej, Tasanee Sakuldumrongpanich
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**P-MS006:** PROLACTIN LEVELS IN RELATION TO PLASMA RISPERIDONE CONCENTRATIONS AND GENETIC POLYMORPHISMS OF *CYTOCHROME P450 2D6* IN THAI AUTISTIC SPECTRUM DISORDERS

**Yaowaluck Hongkaew**, Pornpen Srisawasdi, Nattawat Ngamsamut, Apichaya Puangpetch, Montri Chamnanphon, Chonlaphat Sukasem

**P-MS007:** THE INFLUENCES OF MUSIC TRAINING ON DECISION MAKING IN THAI ADOLESCENCE

**Anuch Sinarod**, Nuanchan Chutabhakdikul, Panadda Thanasetkorn, Vasunun Chumchua

**P-MS008:** RISK FACTORS FOR RECURRENCE OF PULMONARY TUBERCULOSIS IN NAN PROVINCE.

**Wisit Marin**, Mathuros Tipayamongkholgul, Petchawan Pungrassami, Dusit Sujirarat

**P-MS009:** THE RELATIONSHIP BETWEEN ADMINISTRATIVE FACTORS AND IMPLEMENTATION PROCESS OF THE THAILAND HEALTHYLIFESTYLEPROJECT AT TAMBON HEALTH PROMOTING HOSPITALS IN NAKHON SI THAMMARAT PROVINCE

**Anan Promnin**, Chawthip Baromtananat, Warangkana Junkong

**P-MS010:** ROLE OF PHARMACIST IN IMPROVING PHARMACOLOGICAL TREATMENT IN CHRONIC HEART FAILURE PATIENTS

**Napacha Piriyananusorn**, Suvatna Chulavatnatol, Mongkol Maraprasertsak, Naeti Suksomboon

**P-MS011:** A COMPARATIVE STUDY OF PATIENT SAFETY CULTURE: CASE STUDY BETWEEN GENREAL HOSPITAL IN GOVERMENT AND PRIVATE

**Jureeporn Chattrakul**, Charuwan Tadadej, Mathuros Tipayamongkholgul, Surachart Na Nongkhai

**P-MS012:** THE EFFECT OF ORAL METHADONE ON QTC INTERVAL IN THAI OUTPATIENTS WITH CHRONIC CANCER AND NONCANCER PAIN: A PROSPECTIVE STUDY

**Phutsadee Pudchakan**, Chuthamane Suthisisang, Krittika Tanyasaensook, Pongparadee Chaudakshetrin

**P-MS013:** DEVELOPMENT OF A NUTRITIONAL EDUCATIONAL TOOL AND ITS APPLICATION FOR PRIMARY SCHOOL CHILDREN ON FIVE-COLORED VEGETABLE CONSUMPTION

**Alongkote Singhato**, Sunard Taechangam, Chanida Pachotikarn, Gene Charoonruk

**P-MS014:** ANTI-EMETIC PROPHYLAXIS MEDICATION PATTERN FOR CHEMOTHERAPY INDUCED NAUSEA VOMITING (CINV) IN PATIENTS WITH SOLID TUMOR AT RAJAVITHI HOSPITAL

**Kulaporn Wisit**, Krittika Tanyasaensook, Montarat Thavorncharoensap, Jedzada Maneechavakajorn, Jiraporn Chiaovit

**P-MS015:** CURRENT ILLNESSES AND HOUSEHOLD HYGIENE PRACTICES AMONG MIGRANT WORKERS IN SAMUTSAKHON PROVINCE

**Siranee Suknongbung**, Pisit Vatanasomboon, Dusit Sujirarat, Pipat Laksamijarulkul

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Thursday, February 6<sup>th</sup>, 2014

15.00-15.30 Coffee Break

Thursday, February 6<sup>th</sup>, 2014

15.30-17.00 Keynote Panel Discussion Session P3: Revolution in Higher Education  
Moderator: Artit Ungkanont, *Mahidol University, Thailand*  
(Grand Ballroom)

15.30-16.00 P3-1  
Massive Open Online Courses (MOOCs)  
Panjai Tantatsanawong  
*Silpakorn University, Thailand*

16.00-16.30 P3-2  
Future Trends of Information Technology in Higher Education  
Chailerd Pichitpornchai  
*Mahidol University, Thailand*

16.30-17.00 P3-3  
Higher EDTECH: Pedagogical and Technical Challenges of Education Technology Nations  
Harold John D. Culala  
*Far Eastern University, Philippines*

Thursday, February 6<sup>th</sup>, 2014

15.30-18.00 Oral Presentation Session BS3: Biological Science 3  
Chairpersons:  
(Galleria 1)

15.30-15.45 O-BS014  
INVESTIGATION OF DUFFY ANTIGEN RECEPTOR FOR CHEMOKINES AT EXON 2 OF *Plasmodium vivax* INFECTED THAI ISOLATES.  
Yupawadee Pimpat, Kawin Leelawat, Usa Lek-Uthai

15.45-16.00 O-BS015  
THE DEVELOPMENT OF *Plasmodium vivax* OOCYST TO SPOROZOITE FOR THE INVASION INTO THE SALIVARY GLAND OF *Anopheles dirus*  
Wiwatchai Chanbanchong, Supatra Thongrungrat, Yudthana Samung, Usa Lek-Uthai

16.00-16.15 O-BS016  
A DEPOSITION OF NOVEL GRAPHENE OXIDE-HYDROXYAPATITE COMPOSITE ONTO TITANIUM DIOXIDE NANOTUBES AS AN ANTIBACTERIAL IMPLANT MATERIAL  
Yardnapar Parchaen, Preecha Termsuksawad, Sirinrath Sirivisoot

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**16.15-16.30 O-BS017**

DEVELOPMENT OF MAGNETIC PARTICLE CONCENTRATOR FOR  
*CRYPTOSPORIDIUM* AND *GIARDIA* PATHOGENS CAPTURE IN SHELLFISH  
Palsiri Srirungruang, Pimchanok Witayaudom, Narongsak Boonkhao, Pranee  
Inprakhon, Warawoot Thowladda , Kittipong Harncharoen,Mayuna Srisuphanunt

**16.30-16.45 O-BS018**

SCREENING AND ISOLATION OF ANTIBACTERIAL AGENTS FROM MARINE  
MICROORGANISMS  
Phennapa Charoenwiwattanakij, Jaturong Pratuangdejkul, Chitti Thawai, Montree  
Jaturanpinyo, Khanit Suwanborirux, Veena Nukoolkarn

**16.45-17.00 O-BS019**

DIFFERENTIATION OF *Bacillus cereus* BY FLUORESCENCE TITRATION USING  
XANTHENE-BASED Zn(II) CHEMOSENSOR  
Somruethai Khamsakhon, Ippei Takashima, Akio Ojida, Itaru Hamachi, Thunyarat  
Pongtharangkul, Jirarut Wongkongkatep

**17.00-17.15 O-BS020**

SCREENING OF KDML 105 (*Oryza sativa*) MUTANTS BY RAPD ANALYSIS AND SALT  
STRESS TOLERANCE  
Jyotsna Joshi, Kanyaratt Supaibulwatana

**17.15-17.30 O-BS021**

BACULOVIRUS MEDIATED PRODUCTION OF INFECTIOUS CLONES OF INFECTIOUS  
MYONECROSIS VIRUS (IMNV) OF SHRIMP IN CULTURED INSECT CELLS  
Mongkhon Phanthura, Chumporn Soowannayarn, Timothy W. Flegel, Siripong  
Thitamadee

Thursday, February 6<sup>th</sup>, 2014

<b>15.30-18.00 Oral Presentation Session SS2: Humanities, Social Science, Education and Environment 2</b> Chairpersons: (Galleria 2)
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**15.30-15.45 O-SS007**

MARKETING STRATEGIES OF DENTAL TOURISM SERVICE PROVIDERS IN THAILAND  
Gabriel Deucher

**15.45-16.00 O-SS008**

PREPARING THAI BIOMEDICAL ENGINEERING UNDERGRADUATES FOR AEC:  
EXPECTATIONS OF ACADEMIC STAFFS AND STAKEHOLDERS  
Sawapat Techapun, Singhanat Nomnian, Sumittra Suraratdecha

**16.00-16.15 O-SS009**

PRIMARY SCHOOL DIRECTORS' MANAGEMENT IN THE LEAD UP TO ASEAN  
COMMUNITY: A CASE STUDY OF BANGKOK PRIMARY SCHOOL DIRECTORS.  
Parinda Kulpradit

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**16.15-16.30 O-SS010**

THE INVESTIGATION OF VOCABULARY INPUT IN HIGH SCHOOL EFL TEXTBOOKS AND UNIVERSITY ADMISSION TESTS

Navinda Sujinpram, Natawan Senchantichai, Kornwipa Poonpon

**16.30-16.45 O-SS011**

MODEL OF KNOWLEDGE MANAGEMENT FOR TEACHER DEVELOPMENT: A CASE STUDY OF NAMPUDPOTARAM CLUSTER SCHOOL TRANG PRIMARY EDUCATIONAL SERVICE AREA OFFICE I

Karunphon Pramphet

**16.45-17.00 O-SS012**

PREVALENCE AND CORRELATIONS OF BIASES IN MANAGERIAL DECISIONS: A CASE STUDY OF THAI MBA STUDENTS

Chinnawut Jedsadayanmeta, Dolchai La-ornual

**17.00-17.15 O-SS013**

DEVELOPMENT OF A LEARNING UNIT TO ENHANCE HIGH SCHOOL STUDENTS' UNDERSTANDING ABOUT SPECTRUM FORMATION IN RAIN DROP USING PREDICT-OBSERVE-EXPLAIN (POE) LEARNING CYCLE.

Sonam Choegyal, Monamorn Precharattana

**17.15-17.30 O-SS014**

EMPLOYING CONTEXTUAL EXAMPLES AND GRAPHING ACTIVITIES TO ENHANCE STUDENTS' UNDERSTANDING OF THE RELATIONSHIP BETWEEN DIFFERENTIATION AND INTEGRATION IN CALCULUS

Kinley, Wararat Wongkia, Parames Laosinchai

**17.30-17.45 O-SS015**

DEVELOPMENT OF SIMULATION AND GAME TO TEACH PHOTOELECTRIC EFFECT FOR GRADE 12 STUDENTS IN BHUTAN

Tshewang Namgyel, Khajornsak Buaraphan, Supan Yodyingyong

**17.45-18.00 O-SS016**

BHUTANESE STUDENTS' ABILITY TO APPLY THE CONCEPTS OF LIGHT REFLECTION AND REFRACTION TO THE SITUATIONS RELATED TO A FISH TANK

Sushmika Tamang, Suchai Nopparatjamjomras, Thasaneeya R., Nopparat Jamjomras

Thursday, February 6<sup>th</sup>, 2014

<b>17.00-18.30 Forum of the Deans of ASEAN Plus Three Graduate Schools</b>
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<b>(Galleria 3)</b>
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Thursday, February 6<sup>th</sup>, 2014

15.30-18.00 Poster Presentation Session 2: P-ST016-028, P-MS016-040

Chairperson:  
(Ballroom 2)

**P-ST016:** INVESTIGATION OF CHIRAL ANALYSIS OF PSEUDOEPHEDRINE IN DECONGESTANT BY SIMPLE CAPILLARY ELECTROPHORESIS SYSTEM

Benchamat Khlangthamniam, Pheerachat Tophan, Prapin Wilairat, Rattikan Chantiwas

**P-ST017:** AFFECTIVE WORD INDEXING FOR IMAGE RETRIEVAL BASED ON COLOR AND EMOTION RELATIONSHIP

Pornphan Phichai, Sukanya Phongsuphap

**P-ST018:** FABRICATION OF MANGANESE-EMBEDDED CARBONIZED POLYACRYLONITRILE NANOFIBERS BY ELECTROSPINNING

Yanisa Kaewmanee, Varong Pavarajarn

**P-ST019:** FLUORIDE-CATALYZED NUCLEOPHILIC ADDITION OF PHSCF<sub>2</sub>SIME<sub>3</sub> TO NITRONES: SYNTHETIC APPROACH TO CHIRAL GEM-DIFLUOROMETHYLENATED POLYHYDROXYPYRROLIZIDINES AND INDOLIZIDINES

Korkit Korvorapun, Darunee Soorukram, Chutima Kuhakarn, Patoomratana Tuchinda, Vichai Reutrakul, Manat Pohmakotr

**P-ST020:** STUDY TOWARDS ASYMMETRIC SYNTHESIS OF 3-EPI-EUPOMATILONE-6

Sariya Yodwaree, Manat Pohmakotr, Chutima Kuhakarn, Patoomratana Tuchinda, Vichai Reutrakul, Darunee Soorukram

**P-ST021:** EFFECTS OF TYPE OF ACID AND POLYVINYL ALCOHOL ON THE PHYSICOCHEMICAL PROPERTIES OF ACYCLOVIR-LOADED CHITOSAN-BASED FILMS

Pimpichaya Sangchart, Jiraphong Suksiriworapong, Anchalee Jintapattanakit, Doungdaw Chantasart

**P-ST022:** ASYMMETRIC SYNTHETIC APPROACH TO SECOLIGNANS

Jaray Panmuang, Manat Pohmakotr, Patoomratana Tuchinda, Chutima Kuhakarn, Vichai Reutrakul, Darunee Soorukram

**P-ST023:** DOSIMETRIC VERIFICATION BETWEEN RANDO PHANTOM AND ECLIPSE TREATMENT PLANNING SYSTEM FOR CLINICAL ELECTRONS BEAM

Mohd Moktar Mat Nudin, Azhar Abdul Rahman, Ung Ngie Min

**P-ST024:** EFFECT OF PH UPON SKIN PERMEATION OF IONIZABLE AND NON-IONIZABLE DRUGS FOR TOPICAL DELIVERY

Siriwan Chootanasoontorn, Jiraphong Suksiriworapong, Doungdaw Chantasart

**P-ST025:** A NEW METHOD TO CREATE HIGH CONTRAST COLOR LATENT FINGERPRINTS ON NON-POROUS SURFACES

Patcharee Srithunyarat, Suda Riengrojpitak, Patoomratana Tuchindadol, Piya Kosai

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**P-ST026:** DEVELOPMENT OF CAPILLARY ELECTROPHORESIS-FLUORESCENCE METHOD FOR DETERMINATION OF AMINO ACIDS IN FUNCTIONAL DRINKING SAMPLES

**Natta Wiriyakun**, Ajala Praneedsuranon, Duangjai Nacapricha, Rattikan Chantiwas

**P-ST027:** EFFECT OF MULTI-AIR STAGED ON NO<sub>x</sub> EMISSION FROM COAL COMBUSTION IN CIRCULATING FLUIDIZED BED COMBUSTOR

**Chanwit Kamonrat**, Prapan Kuchonthara

**P-ST028:** GREEN SYNTHESIS OF STARCH-CAPPED CdSe QUANTUM DOTS IN AQUEOUS SOLUTION

Tanutkun Palakawong Na Aayudhaya, **Panida Viwattana**, Kheamrutai Thamaphat, Khemika Lomthaisong

**P-MS016:** EFFECTS OF MASSAGE AND HOT COMPRESS ON LABOR PAIN AND PAIN COPING BEHAVIOR IN PRIMIGRAVIDAS

**Thatsanee Klaikham**

**P-MS017:** QUALITY OF FOODSERVICE MANAGEMENT AT THE HOSPITALS APPROACH SUSTAINABLE FOOD SUPPLY CHAIN

**Uraiporn Booranasuksakul**, Prapaisri Sirichakwal, Thumrongrat Mungcharoen, Piyanit Churak, Kitti Sranacharoenpong

**P-MS018:** COMPARISON OF GLYBURIDE WITH METFORMIN IN TREATING GESTATIONAL DIABETES MELLITUS: A SYSTEMATIC REVIEW AND META-ANALYSIS OF RANDOMIZED CONTROLLED TRIALS

**Muhammad Amin**, Naeti Suksomboon, Nalinee Poolsup

**P-MS019:** ORAL HEALTH RELATED QUALITY OF LIFE OF THE ELDERLY IN NINH KIEU DISTRICT

**Truong Le Thu Nhan**, Vallop Bhovapanich, Chukiat Viwatwongkasem

**P-MS020:** PERCEIVED SAFETY CULTURE OF PERSONNEL WORKING IN A PRIVATE HOSPITAL GROUP IN THAILAND

**Kanokwan Mathapun**, Charuwan Tadadej, Prastana Satitvipawee, Piyathida Tridech

**P-MS021:** THE DEVELOPMENT OF UPPER GASTROINTESTINAL BLEEDING GUIDELINE IN REFERRAL SYSTEM FROM COMMUNITY HOSPITAL IN PATHUMTHANI PROVIDENCE

**Supaporn Sangechant**

**P-MS022:** ACTIVATION OF TRANSVERSUS ABDOMINIS/INTERNAL ABDOMINAL OBLIQUE DURING STABILIZATION EXERCISES BY 3 DIFFERENCE TYPE OF FEEDBACK IN ASYMTOMATIC SUBJECTS

**Penpailin Eak-udchariya**, Wattana Jalayondeja, Prasert Sakulsriprasert

**P-MS023:** DETERMINATION OF FACTORS THAT INFLUENCE THE BINDING BETWEEN PLATELET-DERIVED MICROPARTICLES AND HUMAN ENDOTHELIAL CELLS

**Phatchanat Klaihmon**, Egarit Nouisri, Kovit Pattanapanyasat

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- P-MS024:** SPECIFICATON OF SAMRONG (*SCAPHIUM SCHAPHIGERUM*)FRUIT GEL  
Wichitra Phlicharoenphon, Wandee Gritsanapan, Mansuang Wuthi-udomler, Pongtip Sithisarn
- P-MS025:** SEROPREVALENCE OF *Toxoplasma* INFECTION IN HIV POSITIVE PATIENTS FROM SELECTED AREAS OF THAILAND  
Waenurama Chemoh, Nongyao Sawangjaroen, Veeranoot Nissapatorn, Chitkasaem Suwanrath, Verapol Chandeyng, Thanaporn Hortiwakul, Natthawan Sermwittayawong, Bunsri Charoenmak, Pisut Siripaitoon
- P-MS026:** STRATEGIES TO IMPROVE THE IMMUNOGENICITY OF PRM/E DENGUE VIRUS TYPE-4 DNA VACCINE  
Thuntawat Aunguldee, Eakachai Prompetchara, Chutitorn Ketloy, Kiat Ruxrungtham
- P-MS027:** TRUNK MUSCLE STRENGTH AND ENDURANCE BETWEEN NORMAL WEIGHT AND OVERWEIGHT FEMALES  
Duangrudee Taworn, Wunpen Chansirinukor, Wattana Jalayondeja
- P-MS028:** PROLIFERATION INHIBITION OF LEUKEMIC CELL LINES BY DIALLYL DISULFIDE (DADS)  
Tanitta Suangtamaj, Dalina Tanyong
- P-MS029:** EFFECT OF THREE DIFFERENT DIRECT COMPRESSION FILLERS ON THE RELEASE KINETICS OF DILTIAZEM HYDROCHLORIDE FROM HYDROPHILIC SWELLABLE MATRICES CONTAINING XANTHAN GUM  
Zaw Min Soe, Satit Puttipatkhachorn, Somboon Jateleela
- P-MS030:** DENTAL CARIES KNOWLEDGE AND DENTAL HYGIENE PRACTICES OF 12-13 YEARS OLD URBAN AND RURAL MYANMAR SCHOOL CHILDREN  
Aung Zaw Zaw Phyo, Natkamol Chansatitporn, Kulaya Narksawat
- P-MS031:** ALTERATION OF CD31 IN INFECTED SMALL INTESTINE TISSUE BY *Trichinella spiralis* IN MICE  
Supattra Glaharn, Pakpimol Mahannop, Aronrag Kooper Meeyai, Somboon Keelawat, Prapassorn Pechgit
- P-MS032:** MOLECULAR CHARACTERISTICS OF ESBL-PRODUCING *ESCHERICHIA COLI* ISOLATED FROM CLINICAL SPECIMENS AT VAJIRA HOSPITAL, NAVAMINDRADHIRAJ UNIVERSITY  
Thunwalai Hongsom, Pornphan Diraphat, Somchai Uaratanawong, Kanokrat Siripanichgon
- P-MS033:** DETECTION OF B-LACTAMS RESISTANCE GENES AND INTEGRONS OF *ACINETOBACTER BAUMANNII* ISOLATED FROM THE CLINICAL SPECIMENS OF THE PATIENTS ADMITTED AT PHRAMONGKUTKLAO HOSPITAL  
Bussaya Ploypradub, Pornphan Diraphat, Rudiwilai Samakoses, Kanokrat Siripanichgon
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**P-MS034:** FACTORS RELATED TO SYMPTOM SELF MANAGEMENT AMONG PATIENTS WITH MILD TRAUMATIC BRAIN INJURY

**Amnuay Krobpet**, Suporn Danaidutsdeekul

**P-MS035:** TB RISK FACTORS FOR HIV INFECTION RECEIVING HAART

**Anongnuch Narkkhoksung**, Pakwimon Subhaluksuksakorn, Weerawat Manosuthi, Mathuros Tipayamongkholgul

**P-MS036:** THE RELATIONSHIP BETWEEN PAIN, FATIGUE, DEPRESSION AND QUALITY OF RECOVERY IN PATIENTS UNDERGOING COLORECTAL CANCER SURGERY

**Khwanhathai Changyai**, Pongsri Srimoragot, Suporn Danaidutsadeekul, Wiroon Boonnuch

**P-MS037:** COMPARISON OF MEDIAN NEURODYNAMIC RESPONSE BETWEEN SINGLE ACTIVE BREAK AND MULTIPLE SHORT BREAKS DURING 4-HOUR COMPUTER USE

**Chatdao Septham**, Keerin Mekhora, Wattana Jalayondeja

**P-MS038:** ANTIOXIDANT ACTIVITIES, TOTAL PHENOLIC CONTENT AND ANTIMUTAGENICITY OF FIVE WAFFLES CONSISTED OF DIFFERENT SELECTED FRUIT JUICES.

**Suchada Jaroenvong**, Kaew Kangsadalampai, Kalyarat Kruawan, Pongtorn Sungpuag

**P-MS039:** LIPIDEMIC, GLYCEMIC AND ORGAN PROTECTIVE ACTIONS OF TEA SEED OIL IN RATS FED WITH HIGH FAT AND HIGH CARBOHYDRATE DIET

**Warinna Pinthong**, Thamolwan Suanarunsawat, Watcharaporn Devakul Na Ayutthaya

**P-MS040:** THE EFFECT OF STRESS, ANXIETY AND DEPRESSION ON FUNCTIONAL RECOVERY IN INDIVIDUALS WITH STROKE

**Jaruwan Prasomsri**, Sunee Bovonsunthonchai, Supalak Khemthong, Chutima Jalayondeja

**Thursday, February 6<sup>th</sup>, 2014**

<b>18.30-21.00</b> <b>Welcome Reception</b> (The Chamber)
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Friday, February 7<sup>th</sup>, 2014

<b>09.00-10.30</b> <b>Keynote Panel Discussion Session P4: Postgraduate Research in ASEAN</b> <b>Moderator: Luechai Sringernyuang, Mahidol University, Thailand</b> <b>(Grand Ballroom)</b>
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**09.00-09.30**    **P4-1**  
**Research in Music Educations in ASEAN**  
**Joseph Bowman (TBC)**  
*Mahidol University, Thailand*

**09.30-10.00**    **P4-2**  
**Social Engineering Research: Role of Postgraduate Studies”**  
**Luechai Sringernyuang**  
*Mahidol University, Thailand*

**10.00-10.30**    **P4-3**  
**Postgraduate Research in Public Health: Current Trend”**  
**Phitaya Charupoonphol**  
*Mahidol University, Thailand*

Friday, February 7<sup>th</sup>, 2014

<b>09.00-10.45</b> <b>Oral Presentation Session MS2: Health Science 2</b> <b>Chairpersons:</b> <b>(Galleria 1)</b>
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**09.00-09.15**    **O-MS008**  
COMPARISON BETWEEN COPD PATIENTS WITH AND WITHOUT MILD COGNITIVE IMPAIRMENT: A PRELIMINARY STUDY  
**Pimpawee Kirdsup**, Benjamas Chuaychoo, Jatuporn Wongsathikun

**09.15-09.30**    **O-MS009**  
CULTURAL BELIEFS AND MANAGEMENT OF HYPERTENSION IN MELAYU THAI ELDERLY: A PRELIMINARY ANALYSIS  
**Wilai Udompittayason**, Umaporn Boonyasopun, Praneed Songwathana, Martin Woods, Suzanne Phibbs, Dean Whitehead

**09.30-09.45**    **O-MS010**  
COMPREHENSIVE CARIES PREVENTIVE PROGRAM IN CHILD DEVELOPMENT CENTER  
**Sasipimon Chanrat**

**09.45-10.00**    **O-MS011**  
EFFECT OF IMPLANT MACRO DESIGN ON INSERTION TORQUE PATTERN  
**Prakan Thanasrisuebwong**, Sirichai Kiattavorncharoen, Ratchapin L Srisatjaluk, Sirima Sanguansin, Surakit Visuttiwattanakorn

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**10.00-10.15 O-MS012**

EFFECT OF VOXEL SIZE ON ACCURACY OF LINEAR MEASUREMENT WITH CONE BEAM CT ON MANDIBULAR IMPLANT SITES

Penporn Luangchana, Suchaya Pornprasertsuk-Damrongsri, Sirichai Kiattavorncharoen, Bundhit Jirajariyavej

**10.15-10.30 O-MS013**

FRACTURE RESISTANCE OF IMPLANT-SUPPORTED LITHIA-DISILICATE-BASED ABUTMENT AND CROWN

Saranya Ranusawad, Kallaya Suputtamongkol, Amornrat Wonglamsam, Chotiros Kuphasuk

**10.30-10.45 O-MS014**

CLINICAL USEFULNESS OF PLASMA HAPTOGLOBIN IN HBH AND HBH-CS PATIENTS

Wannapa Sornjai, Kamonlak Leecharoenkiat, Kornpat Khungwanmaythawee, Atchara Paemane, Chartchai Chaichana, Sittiruk Roytrakul, Saovaras Svasti, Duncan R. Smith

**Friday, February 7<sup>th</sup>, 2014**

**09.00-10.45 Oral Presentation Session SS3: Humanities, Social Science, Education and Environment 3**

**Chairpersons:  
(Galleria 2)**

**09.00-09.15 O-SS017**

LEARNING OF CELLULAR AUTOMATA USING PAPER-BASED GAME: PILOT STUDY

Apinya Dhatsuwan, Monamorn Precharattana

**09.15-09.30 O-SS018**

A CONCEPTUAL INTEGRATION APPROACH TO MODERN CHINESE IDIOMS RELATED TO ECONOMY: A CASE ANALYSIS OF IDIOMS WHICH CONTAIN THE WORD /nu<sup>35</sup>/ (奴 SLAVE)

Han Jianghua

**09.30-09.45 O-SS019**

BEHAVIOR INTENTION IN TECHNOLOGY ADOPTION IN SECONDARY SCHOOL-A CASE OF GIVEN AWAY TABLET COMPUTER

Kulpattra Amnathankit, Dissatat Prasertsakul

**09.45-10.00 O-SS020**

INVESTIGATION OF FACTORS AFFECTING CONSUMER BRAND PREFERENCE: A CASE STUDY OF NOURISHING EYE-DROPS PRODUCTS

Sirin Ruengwatanapaisarn, Dissatat Prasertsakul

**10.00-10.15 O-SS021**

BOARD STRUCTURE AND FIRM PERFORMANCE: EVIDENCE FROM THE STOCK EXCHANGE OF THAILAND

Siripen Pattanawihok

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**10.15-10.30 O-SS022**  
THE LEVEL AND PREPARING TO ENTER THE ASEAN 2015  
**Pornpawee Worasatepongsa**, Pichak Piriyaornsiri

**Friday, February 7<sup>th</sup>, 2014**

<b>09.00-10.45 MU Distinguished Thesis Award Presentation Session 3: Biological Science</b> <b>Chairperson:</b> <b>(Galleria 3)</b>
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**09.00-09.20 BS-D-01**  
CHARACTERIZATION AND EXPRESSION OF NEUROPEPTIDES RELATED TO REPRODUCTION AND LIPID COMPOSITION DURING OVARIAN MATURATION OF PENAEID SHRIMP SPECIES  
**Piyachat Chansela**

**09.20-09.40 BS-D-04**  
BOOSTING ONCOLYTIC ADENOVIRUS POTENCY IN MULTIDRUG-RESISTANT CANCER CELLS WITH MAGNETIC NANOPARTICLES AND MAGNETIC FORCE  
**Nittaya Tresilwised**

**09.40-10.00 BS-D-09**  
INVESTIGATIONS INTO ERYTHROPOIESIS IN  $\beta$ -THALASSEMIA/HB E DISEASE  
**Amporn Leecharoenkiat**

**10.00-10.20 BS-D-10**  
PROTEOMIC ANALYSIS OF CALCIUM OXALATE CRYSTAL-BINDING PROTEINS ON APICAL SURFACE OF DISTAL RENAL TUBULAR CELLS  
**Kedsarin Fong-Ngern**

**10.20-10.35 BS-M-03**  
INHIBITION OF HUMAN CYTOCHROME P450 2A6 BY *AVERRHOA CARAMBOLA* AND *RHINACANTHUS NASUTUS*  
**Phisit Pouyfung**

**10.35-10.50 BS-M-04**  
OPTIMIZED CONDITIONS FOR ISOFLAVONOID PRODUCTION OF *PUERARIA CANDOLLEI* GRAH. EX. BENTH. HAIRY ROOT CULTURE  
**Pimsiri Danphitsanuparn**

**10.50-11.05 BS-M-06**  
ANTIBODY IMMOBILIZED MAGNETIC NANOPARTICLES FOR MALARIA SEPARATION  
**Tienrat Tangchaikeeree**

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Friday, February 7<sup>th</sup>, 2014

09.00-10.30 Poster Presentation Session 3: P-BS001-018, P-MS041-060

Chairperson:  
(Ballroom 2)

**P-BS001:** DEVELOPMENT OF FAST PCR SYSTEM FOR AFLR GENE DETECTION  
Pichai Chaichanachaichan, Wannaporn Muangsuwan, Pattarawan Ruangsuj, Kosum Chansiri, Srichan Phornchirasilp, Montri Yasawong

**P-BS002:** MULTIPLEX QUANTITATIVE PCR FOR DETECTION OF *Staphylococcus aureus* IN FOODS  
Orawan Atthasopa, Nathinee Panvisavas, Soraya Chaturongakul

**P-BS003:** ANTIMICROBIAL ACTIVITY OF NATIVE THAI PLANT EXTRACTS AGAINST METHICILLIN-RESISTANT *Staphylococcus aureus* (MRSA)  
Keerati Joyjamras, Patamaporn Sukplang, Acharawan Thongmee

**P-BS004:** ANTIOXIDANT ACTIVITY OF *Aquilaria subintegra* ETHANOLIC LEAF EXTRACT  
Gene Ray, Weena Jiratchariyakul, Pongtip Sithisarn, Wichet Leelamanit

**P-BS005:** INVESTIGATION OF CAPITATE-SESSILE GLANDULAR TRICHOMES ON LEAF SURFACE OF *in vitro Cannabis sativa* L.  
Sunissara Aiemkong, Nathinee Panvisavas, Ngarmnij Cheunboongarm

**P-BS006:** ISOLATION OF MICROALGAL MUTANTS WITH REDUCED STARCH ACCUMULATION AND INCREASED LIPID PRODUCTION  
Pitchaporn Darunsart, Wipawadee Rattanapongchai, Jantane Laitummanoon, Prayad Pokethitiyook, Maleeya Kruatrachue, Anchalee Sirikhachornkit, Metha Meetam

**P-BS007:** EXPRESSION AND CHARACTERIZATION OF ANTIMICROBIAL PEPTIDE GAMBICIN FROM *Culex quinquefasciatus* IN *Pichia pastoris*  
Phanthila Sirichaiyakul, Rungarun Suthangkornkul, Apanchanid Thepouyporn, Okabayashi Tamaki, Yoshiharu Matsuura, Naokazu Takeda, Kazushi Motomura, Dumrongkiet Arthan

**P-BS008:** THE STUDY GOLD UPTAKE OF *Operculina turpethum* IN HYDROPONIC AND CELLULAR DISTRIBUTION BY X-RAY FLUORESCENCE TECHNIQUE  
Putarapong Polasane, Pornsawan Visoottiviseth

**P-BS009:** IMMUNODIAGNOSIS OF FASCIOSIS *GIGANTICA* USING A POLYCLONAL ANTIBODY AGAINST RECOMBINANT CATHEPSIN L1H PROTEIN  
Rataya Tanomrat, Pornanan Kueakhai, Narin Changklungmoa, Wipaphorn Jaikua, Kulathida Chaithirayanon, Suda Riengrojpitak, Prasert Sobhon

**P-BS010:** DIVERSITY OF PHA DEPOLYMERASE ENCODING GENE  
Pattarawan Ruangsuj, Wannaporn Muangsuwan, Pichai Chaichanachaicharn, Kosum Chansiri, Montri Yasawong

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- P-BS011:** DIVERSITY OF MCRA GENE OF METHANOGENS  
**Wannaporn Muangsuwan**, Pattarawan Ruangsuj, Pichai Chaichanachaicharn, Kosum Chansiri, Montri Yasawong
- P-BS012:** EFFECTS OF VERO AND C6/36 CELLS UPON CHIKV PHENOTYPES  
**Supachoke Onnome**, Sukathida Ubol, Rojjanaporn Pulmanausahakul
- P-BS013:** GENISTEIN PROMOTES WOUND HEALINGPROCESSIN HUMAN KERATINOCYTE CELLS  
**Sitapatch Benjarongkij**, Duangdeun Meksuriyen, Nontima Vardhanabhuti
- P-BS014:** TRADITIONAL KNOWLEDGE OF MEDICINAL PLANTS USED BY TAI YAI HEALERS IN CHAI PRAKAN AND WIANG HAENG DISTRICTS OF CHIANG MAI, THAILAND  
**Benjawan Boonpuak**, Supaporn Pitiporn, Thaya Jenjittikul, Sompop Prathanturarug
- P-BS015:** FUNCTIONAL INVESTIGATION OF THE HEPATOCYTE NUCLEAR FACTOR 4 $\alpha$  (HNF4 $\alpha$ ) BINDING SITES IN THE PROMOTER OF THE LIVER GLYCOGEN SYNTHASE (GYS-2) GENE  
**Komsan Anyamaneeratch**, Pinnara Rojvirat, Sarawut Jitrapakdee
- P-BS016:** EFFECT OF SOLVENTS ON BUTYRYLCHOLINESTERASE INHIBITORY ACTIVITIES OF SWEET PEPPER EXTRACTS  
**Kantamane Thuphairo**, Kalyarat Kruawan, Warangkana Srichamnong, Somsri Charoenkiatkul, Uthaiwan Suttisansanee
- P-BS017:** A NEW DIARYLHEPTANOID INHIBITS THE LIPOPOLYSACCHARIDE-INDUCED PRODUCTION OF INFLAMMATORY MEDIATORS IN RAW 264.7 MACROPHAGES  
**Kwanchanok Uppakara**, Patoomratana Tuchinda, Surawat Jariyawat
- P-BS018:** EFFECTS OF  $\beta$ -BLOCKERS ON  $\beta$ -ADRENERGIC RECEPTOR ( $\beta$ AR)-MEDIATED INSULIN RESISTANCE IN NEONATAL RAT CARDIOMYOCYTE  
**Sarawuth Phosri**, Darawan Pinthong, Supachoke Mangmool
- P-MS041:** EFFECTS OF ACTION OBSERVATION THERAPY BASED ON CONCEPTS OF MIRROR NEURONS AND ACCELERATED SKILL ACQUISITION PROGRAM ON UPPER EXTREMITY FUNCTIONS IN SUB-ACUTE STROKE  
**Warin Rakkamon**, Jarugool Tretriluxana, PakarateeChaiyawat
- P-MS042:** THE ANTIOXIDANT ACTIVITIES AND ANTIMUTAGENICITY OF RAW AND HEAT PROCESSED SWEET POTATOES GROWN IN THAILAND  
**Juthamas Mungdee**, Kaew Kangsadalampai, Kalyarat Kruawan, Pongtorn Sungpuag
- P-MS043:** ANTIMUTAGENICITY, ANTIOXIDANT ACTIVITIES, AND TOTAL PHENOLIC CONTENTS OF FIVE MILD THAI SOUPS  
**Panukorn Boonsala**, Kaew Kungsadalumpai, Kalyarat Kruawan, Pongtorn Sungpuag

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**P-MS044:** FACTORS ASSOCIATED WITH DRUG-RESISTANT TUBERCULOSIS OF TUBERCULOSIS PATIENTS IN PRISONS IN THAILAND

**Sasiwan Homkaew**, Wichai Aekplakorn, Sirinapha X Jittimanee

**P-MS045:** ANTIOXIDANT ACTIVITIES, TOTAL PHENOLIC CONTENT AND ANTIMUTAGENICITY AGAINST URETHANE OF FIVE STIR-FRY DRESSING COMPOSED OF DIFFERENT HERBS

**Nutthaphon Phokhachang**, Kaew Kangsadalampai, Kalyarat Kruawan, Pongtorn Sungpuag

**P-MS046:** ANTIOXIDANT ACTIVITIES, TOTAL PHENOLIC CONTENT AND ANTIMUTAGENICITY OF TEN THAI CHILI PASTES PREPARED WITH DIFFERENT SOUR FRUIT JUICES

**Kantika Prayoonruk**, Kaew Kangsadalampai, Kalyarat Kruawan, Pongtorn Sungpuag

**P-MS047:** DETECTION OF *SCARDOVIA WIGGSIAE* IN THAI CHILDREN WITH EARLY CHILDHOOD CARIES

**Prangkhae Suvansopee**, Anjalee Vacharaksa, Waleerat Sukarawan

**P-MS048:** COMPARISON OF INHIBITORY EFFECT AGAINST *Streptococcus mutans* GROWTH BY DENTAL PLAQUE BACTERIA FROM EARLY CHILDHOOD CARIES AND CARIES-FREE CHILDREN

**Nuttorn Opaswanich**, Waleerat Sukarawan, Anjalee Vacharaksa

**P-MS049:** PHARMACEUTICAL CARE IN LIVER TRANSPLANT OUTPATIENT CLINIC AT SIRIRAJ HOSPITAL

**Pornpen Leuvittawat**, Suvatna Chulavatnatol, Thida Ningsananda, Yongyut Sirivatanauksorn

**P-MS050:** IL-2 SUPPLEMENTATION ENHANCE IN VITRO EXPANSION OF ANTI-CD3/28 ACTIVATED CD4+ T CELLS FROM HIV INFECTED PATIENTS

**Vajee Petphong**, Nattawat Onlamoon, Kovit Pattanapanyasat

**P-MS051:** ANTIOXIDANT AND ANTIMUTAGENIC ACTIVITIES OF THREE COMBINATIONS OF DIFFERENT FRUIT PEELS

**Chintana Siriroop**, Kaew Kangsadalampai, Kalyarat Kruawan

**P-MS052:** FUNCTIONAL AND IMMUNOLOGICAL CHARACTERIZATION OF AN ELICITIN-LIKE PROTEIN OF THE PATHOGENIC OOMYCETE *Pythium insidiosum*

**Tassanee Lerksuthirat**, Tassanee Lowhnoo, Wanta Yingyong, Theerapong Krajaejun

**P-MS053:** EFFECTS OF LIPOPOLYSACCHARIDE TIME EXPOSURE ON CELL VIABILITY AND PRO-INFLAMMATORY CYTOKINE EXPRESSIONS OF PALMITIC ACID TREATED THP-1

**Annette d'Arqom**, Voravich Luangwedchakarn, Pinklow Umrod

**P-MS054:** THE STABILITY OF PSA IN SEMEN UNDER VARIOUS TEMPERATURES

**Supawon Srettabunjong**, Parimol Betset, Suvit Limawongpranee, Pattama Ekpo

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**P-MS055:** THE STUDY ON TELOMERE LENGTH FOR AGE ESTIMATION IN A THAI POPULATION

**Supawon Srettabunjong**, Saravut Satitsri, Wanna Thongnoppakhun, Nednapis Tirawanchai

**P-MS056:** THAI MASSAGE PROGRAM ENHANCES RANGE OF MOTION OF LOWER EXTREMITIES IN MALE COLLEGIATE VOLLEYBALL PLAYERS, BURAPHA UNIVERSITY, THAILAND.

**Sirikool Klumkool**, Kawiya Sintara, Sakesan Tongkhambancsong

**P-MS057:** FACTORS INFLUENCING NEONATAL THYROID-STIMULATING HORMONE LEVEL IN NAKHON PATHOM PROVINCE, THAILAND

**Samart Punpetch**, Kitipong Hancharean

**P-MS058:** *IN VITRO* EVALUATION OF TRAMADOL RECTAL SUPPOSITORIES

**Sabin Raj Shakya**, Nattha Kaewnopparat, Kamonthip Wiwattanawongsa

**P-MS059:** PREDICTORS OF FUNCTIONAL STATUS IN PATIENTS WITH LUMBAR SPINAL SURGERY

**Supawadee Onme**, Ketsarin Utriyaprasit, Prangtip Chayaput, Sirichai Wilatratsami

**P-MS060:** THE EFFECTIVENESS OF INTRAORAL BONE BLOCK GRAFT IN BONE AUGMENTATION

**Phetsamone Thanakone**, Prisana Pripatnanont, Narit Leepong

**Friday, February 7<sup>th</sup>, 2014**

<b>10.30-11.00</b> <b>Coffee Break</b>
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**Friday, February 7<sup>th</sup>, 2014**

<b>11.00-12.30</b> <b>Keynote Panel Discussion Session P5: Higher Education and University Rankings</b> <b>Moderator: Banchong Mahaisavariya, Mahidol University, Thailand</b> <b>(Grand Ballroom)</b>
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**11.00-11.30**      **P5-1**  
**Webometric Ranking of World University**  
**Harold John D. Culala**  
*Far Eastern University, Philippines*

**11.30-12.00**      **P5-2**  
**How to Get Your Research be Published?**  
**Wanpen Chaicumpa**  
*Mahidol University, Thailand*

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**12.00-12.30 P5-3**  
**Postgraduate Studies & University Rankings**  
**Banchong Mahaisavariya**  
*Mahidol University, Thailand*

**Friday, February 7<sup>th</sup>, 2014**

<b>11.00-12.30 Oral Presentation Session MS3: Health Science 3</b> <b>Chairpersons:</b> <b>(Galleria 1)</b>
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**11.00-11.15 O-MS015**  
EFFECTS OF REDUCED GLUTATHIONE SUPPLEMENTATION DURING  
VITRIFICATION/WARMING OR FREEZING/THAWING ON THE SURVIVAL AND  
VIABILITY OF HUMAN SPERM  
**Hunsa Rapajittikul**, Pornpimon Tangchaisin, Teraporn Vutyavanich

**11.15-11.30 O-MS016**  
IDENTIFICATION OF POTENTIAL GENETIC SUPPRESSORS OF SHWACHMAN-  
DIAMOND SYNDROME  
**Suwimon Sriprach**, Kanjana Sirisidthi, Amornrat Naranuntarat Jensen

**11.30-11.45 O-MS017**  
FREQUENCY OF K-RAS MUTATION IN ENDOMETRIOID ENDOMETRIAL  
ADENOCARCINOMA  
**Papitchaya Watcharanuruk**, Supaporn Suwiwat, Siriwong Lattakanjanang

**11.45-12.00 O-MS018: SILENCING OF 14-3-3 $\Gamma$  WITH SIRNA INHIBITS THE**  
MIGRATION OF HUMAN A549 LUNG ADENOCARCINOMA CELLS  
**Anusara Wongkotsila**, Paramee Thongsuksai, Supaporn Suwiwat, Pritsana Raungrut

**12.00-12.15 O-MS019**  
SINGLE NUCLEOTIDE POLYMORPHISMS OF *SOX10* IN THAI PATIENTS WITH  
SPORADIC HIRSCHSPRUNG DISEASE  
**Karun Eadyow**, Theerawut Phusantisampan, Wanwisa Maneechay, Surasak Sangkhathat

**12.15-12.30 O-MS020**  
EFFICACY OF HERBAL MIXTURE (MU-PLUS<sup>®</sup>) SUPPLEMENTATION IN BROILER  
CHICKENS DIET ON GROWTH PERFORMANCE AND NUTRIENT DIGESTIBILITY  
**Danet Laing**, Sawitree wongtangtinharn, Bundit Tungjaremkul, Srisuda  
Sirilaophaisan, Jowaman Khajareern, Pratompong Lakhham

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Friday, February 7<sup>th</sup>, 2014

11.00-12.30 Oral Presentation Session ST1: Physical Science and Technology 1

Chairpersons:  
(Galleria 2)

11.00-11.15 O-ST001

DEVELOPMENT OF H-SHAPED MICROFLUIDIC DEVICE WITH IMAGE DETECTION AND ITS APPLICATION TO COLORIMETRIC DETECTION

Nanta Sreekeaw, Prapin Wilairat, Duangjai Nachapricha, Rattikan Chantiwas

11.15-11.30 O-ST002

MONITORING HOMOGENEITY OF TASTE MASKED AZALIDE ANTI-BIOTIC DRY POWDER BY USING AT-LINE NIR SPECTROSCOPY

Teerawut Chomchoey, Chiravi Pavitrapok, Narueporn Sutanthavibul

11.30-11.45 O-ST003

FABRICATION AND CHARACTERIZATION OF ABRASION RESISTANCE NANOCOMPOSITE HARD COATING ON TEAK WOOD

Thananthorn Kanokwijitsilp, Tanakorn Osotchan, Toemsak Srikehrin

11.45-12.00 O-ST004

ENHANCED PHOTOVOLTAIC PERFORMANCE IN DYE-SENSITIZED SOLAR CELLS USING TiO<sub>2</sub> BEAD/NANOFIBER COMPOSITE

Nirachawadee Srisamran, Jutarat Sudchanham, Thammasit Vongsetsakul, Pasit Pakawatpanurat

12.00-12.15 O-ST005

AMINO ACID FUNCTIONALIZED SILICA NANOPARTICLE AS AN EFFECTIVE ADSORBENT FOR HEAVY METAL REMOVAL

Ploypailin Numprasanthai, Panya Sunintaboon, Rattaporn Thonggoom

12.15-12.30 O-ST006

A COMPARATIVE STUDY OF COLOUR TESTS FOR GUNSHOT RESIDUE

Thanapa Thanarachatapoom, Nopadol Chaikum, Prapin Wilairat

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Friday, February 7<sup>th</sup>, 2014

11.00-12.30 Poster Presentation Session 3: P-BS019-036, P-SS001-009

Chairperson:  
(Ballroom 2)

**P-BS019:** EVALUATION OF LIPASE INHIBITORY ACTIVITY OF SWEET PEPPER EXTRACTS

Puttacha Sornchan, Kalyarat Kruawan, Warangkana Srichamnong, Somsri Charoenkiatkul, Uthaiwan Suttisansanee

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**P-BS020:** THE EFFECT OF DIFFERENT EXTRACTION CONDITIONS ON ACETYLCHOLINESTERASE INHIBITORY ACTIVITIES OF *GYNURA PROCUMBENS* LEAVES

**Triwoot Phanyotha**, Chalot Santivarangkna, Nattapol Tangsuphoom, Warangkana

**P-BS021:** ANTI-TYROSINASE ACTIVITY OF THE HEXANE EXTRACT FROM THE ROOT BARK OF THAI MULBERRY

**Waraporn Kuipreecha**, **Omboon Vallisuta**, **Pongtip Sithisarn** Srichamnong, Uthaiwan Suttisansanee

**P-BS022:** SUBTYPE SPECIFICITY OF ADENOSINE A2 RECEPTOR ON THE INHIBITION OF ANGIOTENSIN II-INDUCED CARDIAC FIBROSIS

**Kwanchai Bunrukchai**, Darawan Pinthong, Supachoke Mangmool

**P-BS023:** STORAGE OF A WHOLE-CELL BIOCATALYST

**Nuttawat Wangrangsimagul**, Thunyarat Pongtharangkul

**P-BS024:** MORPHOLOGICAL AND BIOLOGICAL CHARACTERIZATIONS OF THE ACROSOME-LIKE STRUCTURE IN SPERM AND THE PROCESS OF THE SPERM-EGG INTERACTIONS IN THE GIANT FRESHWATER PRAWN, *Macrobrachium rosenbergii*

**Atthaboon Watthammawut**, Monsicha Somrit, Somluck Asuvapongpattana, Wattana Weerachayanul

**P-BS025:** PRELIMINARY STUDY OF THE BINDING, INTERNALIZATION, STRUCTURAL ANALYSIS AND HOST-CELL PROTEIN INTERACTIONS OF MRNV PARTICLES USING SF-9 AS AN *IN VITRO* MODEL

**Monsicha Somrit**, Atthaboon Watthammawut, Wattana Weerachayanukul

**P-BS026:** PREFERENTIAL GROWTH TEMPERATURE OF T4 AND T5 THAI SOIL *Acanthamoeba* ISOLATES

**Atsadang Boonmee**, Saradee Warit, Araya Chusattayanond

**P-BS027:** *IN VITRO* PATHOGENESIS OF T4 AND T5 THAI *Acanthamoeba* ISOLATES AGAINST MOUSE NEUROBLASTOMA CELLS.

**Pattamaporn Cheonpae**, Siriphan boonsilp, Narumon Boonman, Araya Chusattayanond

**P-BS028:** EFFECTS OF *Cryptolepis buchanani* EXTRACTS ON INFLUENZA A VIRUS REPLICATION

**Nuttaporn Boonsert**, Jaturapon Sawangjaroen, Radeekorn Akkarawongsapat

**P-BS029:** ISOLATION OF BTEX DEGRADING BACTERIA FROM PETROLEUM CONTAMINATED SEABED SLUDGES

**Sansanee Khiawjan**, Thunyarat Pongtharangkul

**P-BS030:** IDENTIFICATION OF HOST PROTEINS INTERACTING WITH DENGUE NS5 BY TANDEM AFFINITY PURIFICATION

**Teeranai Ittiudomrak**, Juthathip Mongkolsapaya, Bunpote Siridechadilok

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**P-BS031:** PRODUCTION AND CHARACTERIZATION OF BIOSURFACTANT PRODUCED BY *Halopenitus persicus* AS97 USING CASHEW APPLE BAGASSE AS SUBSTRATE

**Atipan Saimmai**, Sirirat Petmeaun, Suppasil Maneerat

**P-BS032:** DIVERSITY OF BIOSURFACTANT-PRODUCING THERMOTOLERANT BACTERIA FROM HOT SPRINGS IN THE SOUTH OF THAILAND

**Atipan Saimmai**, Sirirat Petmeaun, Suppasil Maneerat

**P-BS033:** A COMPARATIVE STUDY OF DROPLET VITRIFICATION AND ENCAPSULATION DEHYDRATION FOR CRYOPRESERVATION OF PROTOCORMS OF *Arundina graminifolia*

**Luis B. Cordova II**, Kanchit Thammasiri

**P-BS034:** NATURAL ANTIBACTERIAL ACTIVITY OF THAI RED CURRY PASTE IN THAI RED CURRY (KANG-KATI AND KANG-PANAENG) MODEL AGAINST *Salmonella enterica* Enteritidis

**Thidarat Udchchon**, Rattikarn Thapratananun, Patchanee Yasurin

**P-BS035:** ELECTROSPUN PLA NANOFIBERS FOR DELIVERY ESTRADIOL

**Darunee Sae-Tae**, Nongnuj Muangsin, Rutthapol Rangkupan, Krisana Siralertmukul

**P-BS036:** NATURAL ANTIBACTERIAL ACTIVITY OF THAI RED CURRY PASTE IN THAI RED CURRY (KANG-PANAENG ) MODEL AGAINST *Salmonella enterica* 4,5,12:i:-(human) US CLONE AND *Listeria monocytogenes*

**Rattikarn Thapratananun**, Patchanee Yasurin

**P-SS001:** THE IMPACT OF MUSIC AND MOVEMENT ON EXECUTIVE FUNCTION IN PRESCHOOL CHILDREN

**Ninuma Artprom**, Vasunun Chumchua, Nuanchan Jutapakdeegul, Panadda Thanasethakon

**P-SS002:** EXAMINING OF GATEWAY THEORY IN FEMALE DRUGS ADDICT PATIENT

**Narakorn Wongsing**, Doungjai Buntup, Sutthida **Chuanwan**, Prapapun Chucharoen

**P-SS003:** SELF-LEARNING VISUAL MULTIMEDIA: TECHNICAL TERMS OF JAKAE PERFORMANCE FOR SECONDARY STUDENTS

**Natchapha Piapueng**, Anak Charanyananda, Sakchai Hirunruk

**P-SS004:** THE PRELIMINARY RESEARCH STUDY ON THE IMPACT OF THE 101S: A GUIDE TO POSITIVE DISCIPLINE PARENT TRAINING ON PARENTING PRACTICES AND PRESCHOOLER'S EXECUTIVE FUNCTION

**Jutamard Suttho**, Vasunun Chumchua, Nuanchan Jutapakdeekul, Panadda Thanasetkorn

**P-SS005:** AN INVESTIGATION OF VIETNAMESE TOURISTS' MOTIVATIONS TO VISIT THAILAND

**Nguyen Viet Hoang**

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**P-SS006:** THE COMPONENTS OF E-COMMERCE SYSTEM, ENTREPRENEUR AND SUPPORT OF GOVERNMENT AFFECTING THE SUCCESS FOR IMPLEMENTATION OF SOLE PROPRIETORSHIP E-COMMERCE ENTREPRENEURS IN THAILAND

**Pattarawadee Permwanichagun**, Sumeth Kaenmanee, Aree Naipinit

**P-SS007:** CORRELATION BETWEEN THE VISUAL-MOTOR INTEGRATION (VMI) AND THE TASK OF EXECUTIVE CONTROL (TEC) IN SCHOOL AGE CHILDREN BETWEEN 7 TO 9 YEARS

**Krittianee Thammasarn**, P. Thanasetkorn, N. Chutabhakdikul, V. Chumchua

**P-SS008:** A HIERARCHICAL MULTIPLE REGRESSION ANALYSIS OF ACCULTURATION AMONG INTERNATIONAL STUDENTS AT MAHIDOL UNIVERSITY

**Ketsarin Sirichuanjun**, Chawewon Boonshuya, Natkamol Chansatitporn, Oranut Pacheun

**P-SS009:** FACTORS INFLUENCING CONSUMERS' PERCEIVED HEALTHINESS AND WILLINGNESS TO USE FUNCTIONAL DRINKS IN THAILAND

**Thitarat Worawitphinyo**

**P-SS010:** THE CAUSE AND EFFECT OF LEVELS OF VISUAL-MOTOR INTEGRATION SKILLS ON TASK OF EXECUTIVE FUNCTION IN CHILDREN AT AGE 5 TO 6 YEARS OLD

**Ratchanee Jomsri**, Vasunun Chumchua, Panadda Thanasetkorn, Nuanchan Chutabhakdikul

**Friday, February 7<sup>th</sup>, 2014**

<b>12.30-13.30</b> <b>Lunch</b> (The Chamber)
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**Friday, February 7<sup>th</sup>, 2014**

<b>13.30-15.00</b> <b>Keynote Panel Discussion Session P6: Higher Education and Ethics</b> <b>Moderator: Punkae Mahaisavariya, Mahidol University, Thailand</b> <b>(Grand Ballroom)</b>
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**13.30-14.00**    **P6-1**

**Ethical Consideration in Graduate Studies & Researches"**

**Punkae Mahaisavariya**

*Mahidol University, Thailand*

**14.00-14.30**    **P6-2**

**Plagiarism: Problems & Prevention**

**Lim Ching**

*Turnitin in Asia*

**14.30-15.00**    **P6-3**

**Open Access Journals: Quantity VS Quality**

**Ruchareka Wittayawuttikul**

*Mahidol University, Thailand*

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**15.00-15.30 P6-4**  
**The Pedagogical Challenge of Cyber-Plagiarism among Future Educators**  
**Warren A. Ramos**  
*Our Lady of Fatima University, Philippines*

**Friday, February 7<sup>th</sup>, 2014**

<b>13.30-15.15 Oral Presentation Session MS4: Health Science 4</b> <b>Chairpersons:</b> <b>(Galleria 1)</b>
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**13.30-13.45 O-MS021**  
DIABETES EDUCATION IMPROVE KNOWLEDGE FOR ELDERLY PATIENTS WITH  
DIABETES MELLITUS  
**Maneerat Techavichian**, Narong Vanichaniramol, Pratana Satitvipawee, Cholrit  
Luangjinda, Supavadee Likitmaskul, Warapone Satheannopakao, Chatrapa  
Hudthagosol

**13.45-14.00 O-MS022**  
IMPACT OF WORKING SYSTEM ON PEDIATRIC PHYSICAL THERAPY IN COMMUNITY  
HOSPITALS  
**Nisasri Sermpoon**, Saipin Prasertsukdee, Pakaratee Chaiyawat

**14.00-14.15 O-MS023**  
PROBABLE OBSTRUCTIVE SLEEP APNEA RISK IN PATIENTS UNDERWENT  
MANDIBULAR SETBACK SURGERY  
**Potcharasiri Thiranakanat**, Peerapong Santiwong, Somsak Mitrirattanakul,  
Hataichanok Chareonying

**14.15-14.30 O-MS024**  
THE POTENTIAL OF GOAT MILK SOAP WITH PROBIOTIC AND SULFUR FOR  
PREVENTING AND TREATING SCABIES DISEASE  
**Herin Mawarti**, Mukhamad Rajin, Achmad Zakaria, dan Endang Purwati

**14.30-14.45 O-MS025**  
FACTORS RELATED TO MATERNAL BEHAVIOURS IN RECEIVING CHILD  
IMMUNIZATION SERVICES IN MUEANG FUANG DISTRICT, VIENTIANE PROVINCE, LAO  
PEOPLE'S DEMOCRATIC REPUBLIC  
**Keophouthone Kittiphanh**, Chawthip Boromtanarat, Nittaya Pensirinapa

**14.30-14.45 O-MS026**  
THE EFFECTIVENESS OF THE CHRONIC CARE MODEL ON CLINICAL OUTCOMES  
AMONG DIABETIC PATIENTS UNDER THE CHIANGSAEN CONTRACTING UNITS  
FOR PRIMARY CARE, CHIANGRAI PROVINCE  
**Ittipol Chaitha**, Boonyong Keiwkarnka, Jiraporn Chompikul

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**14.45-15.00 O-MS027**

ASSESSMENT OF PATHOGENIC MICROORGANISMS IN 2011 FLOODED AREA IN THAILAND: CASE SPECIFIC DETECTIONS OF *L.pneumophila*, *Leptospirosis* AND VIRAL DIARRHEA PATHOGENS

Pimwalan Phutthakun, Chirapol Sintunawa, Supaporn Wacharapluesadee

**Friday, February 7<sup>th</sup>, 2014**

<b>13.30-14.45 Oral Presentation Session ST2: Physical Science and Technology 2</b> <b>Chairpersons:</b> <b>(Galleria 2)</b>
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**13.30-13.45 O-ST007**

HYDROGEOCHEMICAL CHARACTERISTICS OF GROUNDWATER SURROUNDING GOLD MINE AREA IN PHICHIT - PHETCHABUN PROVINCES

Jirawan Thamrongrisakul, Srilert Chotpantararat

**13.45-14.00 O-ST008**

*IN SITU* SYNTHESIS OF  $\text{LiNH}_2$  FROM Li METAL AND LIQUID  $\text{NH}_3$  IN NANOPOROUS CARBON: A NEW NANOCONFINEMENT APPROACH

Natchapol Poonyayant, Vitalie Stavila, Natee Angboonpong, Pasit Pakawatpanurut, Lennie Klebanoff

**14.00-14.15 O-ST009**

EFFECT OF LENGTH AND DIAMETER OF MINISCREW ON STRESS DISTRIBUTIONS IN PERI-MINISCREW PALATAL BONE

Nat Saengwiwatcharoen, Thongchai Fongsamootr

**14.15-14.45 O-ST010**

CHALLENGES AND LIMITATIONS OF DRIVING INNOVATION IN THAI SMES

Nuttawat Sukasiriwat, Nathasit Gerd Sri

**Friday, February 7<sup>th</sup>, 2014**

<b>13.30-15.15 MU Distinguished Thesis Award Presentation Session 4:</b> <b>Humanities, Social Science, Education and Environment</b> <b>Chairperson:</b> <b>(Galleria 3)</b>
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**13.30-13.50 SS-D-01**

WESTERN MUSIC IN SIAM: THE DEVELOPMENT BETWEEN A.C.1841 – 1941

Nachaya Natchanawakul

**13.50-14.10 SS-D-03**

A PHONOLOGICAL STUDY OF PALAUNG DIALECTS SPOKEN IN THAILAND AND MYANMAR, WITH FOCUSES ON VOWELS AND FINAL NASALS

Supakit Buakaw

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**14.10-14.30 SS-D-06**

SEPHA VOCAL STYLES: A HISTORICAL STUDY OF THE SEPHA AND CREATION OF SEPHA USING NEW VOCAL STYLES

**Jatupron Seemung**

**14.30-14.45 SS-M-03**

YOUTH PERCEPTION ON CYBER BULLYING

**Nattharat Samoh**

**14.45-15.00 SS-M-07**

AN ANALYSIS OF CONVERSATIONAL STRUCTURES BETWEEN LOCAL GOVERNMENT OFFICIALS AND ETHNIC PEOPLE

**Kornchanok Nanthakanok**

**15.00-15.15 SS-M-08**

PSYCHOLOGICAL SUFFICIENCY, SUFFICIENCY ORGANIZATION, WORK HAPPINESS, ORGANIZATIONAL SUPPORT, AND ORGANIZATIONAL CITIZENSHIP BEHAVIOR: A CASE STUDY OF THE DEPARTMENT OF CORRECTIONS

**Chanapon Chaitup**

**Friday, February 7<sup>th</sup>, 2014**

<b>15.00-15.30</b>	<b>Coffee Break</b>
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**15.30-16.00 Keynote Lecture** (Grand Ballroom)

Effective Presentation in Scientific Meeting

**Banchong Mahaisavariya**

*Mahidol University, Thailand*

**16.00-17.00 Awards Presentation / Closing Ceremony** (Grand Ballroom)