

**Program for Oral Presentations  
June 21, 2018**

Room: Kingkamol

Session 1: Sustainability Science

Chairman: Dr.Noppakun Sanpo

Co-Chair: Dr.Apisit Kositchaiyong

Time	Code	Title	Speaker
13:00-13:20	OS001	DEVELOPMENT OF STRUCTURAL HEALTH MONITORING SYSTEM BY USING PIEZOELECTRIC SENSORS	Sumit Jirungnimitsakul
13:20-13:40	OS002	GRAIN SIZE EFFECT ON STRAIN CHARACTERISTIC IN BaTiO <sub>3</sub> CERAMICS	Narit Funsueb
13:40-14:00	OS003	DETERMINING THE CONCENTRATION OF SOLUBLE ETHYLENE IN WATER IMMERSION PLANT USING ACIDIFIED POTASSIUM MANGANATE METHOD	Wilailack Chayaprasert
14.00-14.20	OS004	A NOVEL SACHA INCHI (Plukenetia volubilis L.) SHELL AS A MODIFIED-POROUS ACTIVATED CARBON PRODUCT	Patsapon Silasalaisopisth
14.20-14.40	OS005	BIOELECTRICITY PRODUCTION FROM RICE NOODLE WASTEWATER USING PLANT MICROBIAL FUEL CELL (PMFC)	Wanida Potawat
14.40-15.00	OS006	THE INVESTIGATION OF DIELECTRIC BARRIERS DISCHARGE PLASMA JET (DBDJ) FOR BACTERICIDAL IN WOUND HEALING	Pipath Poramapijitwat
15.00-15.20	Coffee Break		
15.20-15.40	OS007	A LOW PRESSURE PLASMA TREATMENT FOR STERILITATION AND QUALITY IMPROVEMENT OF RICE FLOUR	Kantamard Lamasai
15.40-16.00	OS008	EFFECT OF Fe <sup>3+</sup> ON BaTiO <sub>3</sub> PEROVSKITE MAGNETIC PROPERTIES	Naphat albutt

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
16.00-16.20	OS009	MAGNETIC PROPERTIES IN $Ba_2FeMoO_6$ DOUBLE PEROVSKITES PREPARED BY SOLID STATE METHOD	Naphat albutt
16.20-16.40	OS010	CORRELATION AND PATH COEFFICIENT FOR ECONOMIC TRAITS OF FRUIT MULBERRY ( <i>Morus</i> sp) BASED ON CITERIA MULBERRY SELECTION	Sujaree Nonthakod
16.40-17.00	OS011	AMPEROMETRIC BIOSENSORS USING DIFFERENT ALCOHOL OXIDASES	Manatsapon Tipmanee
17.00-17.20	OS012	COMPARISON OF INDUSTRIAL MICROWAVE DRYING AND FLUIDIZED BED DRYING TECHNIQUES ON THE QUALITY OF JASMINE INSTANT RICE	Patsakul Phukasmas



**Program for Oral Presentations  
June 22, 2018**

Room: Kingkamol

Session 1: Sustainability Science

Chairman: Assoc. Prof. Dr.Suejit Pechprasarn

Co-Chair: Dr. Noppakun Sanpo

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
09.00-09.40	Invite speaker		Dr.Pinit Kidkhunthod
09.40-10.00	OS013	PREPARATION OF Al-5Ti-1B MASTER ALLOY AND ITS INFLUENCE ON MECHANICAL PROPERTIES OF A 356 ALLOY	Thee Chowwanonthapunya
10.00-10.20	Coffee Break		
10.20-10.40	OS014	COMPARISON OF CONVENTIONAL AND ULTRASOUND-ASSISTED EXTRACTION TECHNIQUES FOR EXTRACTION OF PHENOLIC COMPOUNDS FROM COCONUT HUSK FIBER	Attapon Nitiwattananon
10.40-11.00	OS015	EFFECT OF LATEX RUBBER AND RUBBER POWDER AS AN ADMIXTURE ON BENDING STRENGTH OF CEMENT MORTARS	Santi Rattanaveeranon
11.00-11.20	OS016	EFFECTS OF INITIAL MOISTURE CONTENT, INFRARED TEMPERATURE AND PUFFING TIME ON QUALITY OF PUFFED PORK RINDS IN A CONTINUOUS INFRARED-MICROWAVE OVEN	Boonjira Bunlangpattama
11.20-12.00	Invite speaker		Assoc. Prof. Dr. Somsak Dangtip



**Program for Oral Presentations  
June 21, 2018**

Room: Duangkamol

Session 2: Innovative Technology and Sustainability  
Engineering

Chairman: Dr.Amporn Poyai

Co-Chair: Dr.Pinit Kidkhunthod

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
13:00-13:40	Invite speaker		Dr.Amporn Poyai
13:40-14:00	OI001	EFFECT OF DIFFERENT TYPES OF WASHES ON THE FABRIC STRENGTH OF DENIM	Hina Gul
14.00-14.20	OI002	RESISTIVE SENSOR FOR VOC DETECTION	Naphat albutt
14.20-14.40	OI003	MATCHING IMPEDANCES LARGE SCALE FRESNEL EQUATION CALCULATION	Naphat albutt
14.40-15.00	OI004	MULTIPLE REFLECTIONS MODELING FOR MULTI-LAYER OPTICAL STRUCTURES	Naphat albutt
15.00-15.20	Coffee Break		
15.20-15.40	OI005	OPTICAL DEVICE ADAPTED TO SMARTPHONE FOR DIRECT IMAGING RETINAL BLOOD VESSELS	Naphat albutt
15.40-16.00	OI006	PARALLEL COMPUTING SOFTWARE DESIGN FOR LARGE SCALE ELECTROMAGNETIC SIMULATION	Naphat albutt
16.00-16.20	OI007	SURFACE PLASMON RESONANCE ANALYSIS USING TRANSMISSION LINE MODEL	Naphat albutt
16.20-16.40	OI008	FLUORESCENCE DETECTION OF HYDRAZINE HYDRATE USING CARBON NANODOTS SYNTHESIZED FROM MANDARIN RIND	Naphat albutt
16.40-17.00	OI009	BIOSENSOR IN FOOD TECHNOLOGY	Naphat albutt
17.00-17.20	OI010	FOOD WASTE UTILISATION: CASE STUDY IN THAILAND	Naphat albutt

**Program for Oral Presentations  
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Room: Duangkamol

Session 2: Innovative Technology and Sustainability  
Engineering

Chairman: Dr.Pinit Kidkhunthod

Co-Chair: Dr.Anurat Wisitsoraat

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
09.00-09.40	Invite speaker		Dr.Anurat Wisitsoraat
09.40-10.00	OI011	SYNTHESIS AND CHARACTERISATIONS OF Y-DOPED BACEO3 CERAMIC FOR USE AS SOLID ELECTROLYTE IN SOLID OXIDE FUEL CELL	WISET SOMKHUAN
10.00-10.20	Coffee Break		
10.20-10.40	OI012	ANALYSIS OF THE DENSITY DISTRIBUTION OF CERAMIC ARMOR PLATES BY FINITE ELEMENT METHOD	Prakorb Chartpuk
10.40-11.00	OS013	DESIGN AND WEIGHT OPTIMIZATION OF RUN - FLAT WHEEL FOR THE ARMORED SMALL TRUCK BY FINITE ELEMENT METHOD	Prakorb Chartpuk
11.00-11.20	OS014	COMPARISON OF IEEE 802.11N AND IEEE 802.11AC WIRELESS TECHNOLOGY PERFORMANCES ON 2.4GHZ AND 5GHZ FREQUENCIES	Kittipoom Intaraauksorn
11.20-11.40	OS015	WEATHER REALATED-HEAT ILLNESS EVENT OVER CHIANGMAI USING AUTOMATIC WEATHER STATION OBSERVED DATA	Parwaph Phunthirawuthi
11.40-12.00	OS016	DEVELOPMENT OF READING ACTIVITIES FOR KINDERGARTEN 2 STUDENTS	Variya Yenporng



**Program for Oral Presentations**  
**June 21, 2018**

Room: Kamolruedi

Session 3: Textiles and Clothing Sustainability

Chairman: Assoc. Prof. Dr. Chi-wai Kan

Co-Chair: Assoc. Prof. Dr. Sheila Shahidi

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
13:00-14:00	Invite speaker	“NON-AQUEOUS DYEING OF COTTON AND WOOL FABRICS”	Assoc. Prof. Dr. Chi-wai Kan
14.00-14.20	OT001	STUDY ON LOW TEMPERATURE DYEING OF ULTRASONICALLY TREATED WOOL	Qing Li
14.20-14.40	OT002	GLOBAL SUSTAINABLE APPROACH TO MINIMIZE COST AND IMPROVE PRINTING PARAMETERS OF REACTIVE AND DISPERSE DYES BY USING MODIFIED THICKENER	Shrirang k. Chinta
14.40-15.00	OT003	DESIGN AND DEVELOPMENT OF ELECTRO-CONDUCTIVE RECTANGULAR TEXTILE ANTENNA USING POLYPROPYLENE FABRIC	S. Gangopadhyay
15.00-15.20	Coffee Break		
15.20-15.40	OT004	A STUDY ON LOW STRESS MECHANICAL PROPERTIES OF DENIM FABRIC FOR HAND EVALUATION	P.O. Laddha
15.40-16.00	OT005	STUDIES ON NATURAL AND SYNTHETIC ANTIMICROBIAL FINISHING OF TEXTILES	Arun K Patra

**Program for Oral Presentations**  
**June 22, 2018**

Room: Kamolruedi

Session 3: Textiles and Clothing Sustainability

Chairman: Assoc. Prof. Dr. Chi-wai Kan

Co-Chair: Assoc. Prof. Dr. Sheila Shahidi

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
09.00-09.20	OT006	UP CYCLING FOR PRODUCT DESIGN OF JEANS WASTES WITH AN ECONOMIC AND ENVIRONMENTAL APPROACH	Zahra Ahmadi
09.20-09.40	OT007	APPLICATION OF LASER TREATMENT FOR IMPROVING THE DYE AND CHEMICAL ADSORPTION ON POLYESTER FABRIC	Sheila Shahidi
09.40-10.00	OT008	IR AND UV PROTECTION FUNTION OF WOVEN FABRICS	Polona Dobnik Dubrovski
10.00-10.20	Coffee Break		
10.20-10.40	OT009	UV PROTECTION AND ANTIBACTERIAL PROPERTIES OF NATURAL DYED COTTON WITH SAFRAN, CURCUMA AND CINNAMON	Sheila Shahidi
10.40-11.00	OT010	A STUDY OF SUITABILITY OF BAMBOO DENDROCALMUS ASPER PULP APPLICATION AS FILLER MATERIAL IN SANITARY PAD MAKING	Alice Waithaka
11.00-11.20	OT011	APPLICATION OF MICROENCAPSULATED NATURAL ESSENCES OILS IN THE DEVELOPMENT OF FUNCTIONALIZED SUSTAINABLE CLOTHING	Nuno José Ramos Belino

**Program for Oral Presentations**  
**June 21, 2018**

Room: Kornkamol 1

Session 4: Economic Modelling

Chairman: Prof. Dr. Paresh Narayan

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
13:00-13:30	OE001	THE LINK BETWEEN TERRORIST ATTACKS AND THE CRYPTOCURRENCY MARKET	Krishna Reddy
13:30-14:00	OE002	VOLATILITY IN CRYPTOCURRENCY MARKET	Warattaya Chinnakum
14:00-14:30	OE003	STOCK MARKET INVESTMENT AND INFLATION: EVIDENCE FROM THE USA AND CANADA	Janesh sami
14.30-15:00	OE004	INTERNATIONAL PORTFOLIO DIVERSIFICATION POSSIBILITIES BETWEEN BRICS AND DEVELOPED STOCK MARKETS	Lei Pan
15.00-15.15	Coffee Break		
15:15-15:45	OE005	PER CAPITA OUTPUT CONVERGENCE ACROSS ASIAN COUNTRIES: EVIDENCE FROM COVARIATE UNIT ROOT TEST WITH AND ENDOGENOUS STRUCTURAL BREAK	Takashi matsuki
15.45-16.15	OE006	AUTONATION, TAXES AND TRANSFERS WITH INTERNATIONAL RIVALRY	Yixiao Zhou
16.15-16.45	OE007	IMPACT OF GENETIC DISTANCE ON TECHNOLOGICAL PROGRESS	Baljeet Singh



**Program for Oral Presentations  
June 22, 2018**

Room: Kornkamol 1

Session 4: Economic Modelling

Chairman: Prof. Dr. Paresh Narayan

<b>Time</b>	<b>Code</b>	<b>Title</b>	<b>Speaker</b>
10.00-10.30	OE008	DO RISK PROPENSITY AND MARKET STATES INFLUENCE DISPOSITION? A CASE OF PAKISTANI MUTUAL FUND INVESTORS	Kin Boon Tang
10.30-11.00	OE009	EXCHANGE RATE UNDERVALUATION AND ECONOMIC GROWTH: THE TRADE - VERSUS THE FINANCIAL RISK CHANNEL	Fyyaz Hussain
11.00.11.30	OE010	FOREIGN OFFICIAL HOLDING OF U.S. TREASURIES AND U.S. MORTGAGE RATES	Dingming Liu

**Program for Poster Presentation**  
**June 21, 2018**  
**Place: 2<sup>st</sup> Floor**

**Session 2: Innovative Technology and Sustainability Engineering**

Poster ID	Abstract Title	Presenter
PI001	FACILE SYNTHESIS OF CeO <sub>2</sub> /SnO <sub>2</sub> N-N HETEROSTRUCTURE	Viruntachar
PI002	IMPACTS OF CURRENT AND VOLTAGE HARMONICS FOR INDUSTRIAL POWER NETWORK	Nattachote Rugthaicharoencheep
PI003	TESTING OF POWER TRANSFORMER USING DISSOLVED GAS ANALYSIS	Nattachote Rugthaicharoencheep
PI004	OPTIMAL REACTIVE POWER CONTROL IN POWER SYSTEM WITH PARTICLE SWARM OPTIMIZATION TECHNIQUE	Manat boonthienthong
PI005	AUTOMATIC MUSHROOM WATERING SYSTEM USING MICROCONTROLLER	Suthada Srigate
PI006	A WEB-BASED BOOKING SYSTEM FOR RAJARUEK PIROM CONFERENCE ROOM	Vipa Jakchaikul
PI007	EFFECT OF AMMONIUM SULPHATE (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> ON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SA-213- Gr.T22 AND SA-210-Gr.A STEEL IN THE WATER TUBE BOILER	Papatsorn Singhatham
PI008	EYE-GAZE TECHNOLOGY ACCESS TO MEDIA FOR DISABLED STUDENT	Veerawan Janthanasub
PI009	DROWSY ALERT SYSTEM USING DIGITAL IMAGE PROCESSING	Jetsada Likitvong
PI010	THE DESIGN AND CONSTRUCTION OF FATIGUE TESTING MACHINE	Prasert Wirotcheewan
PI011	PLANNING OF DISTRIBUTION SUBSTATION WITH GIS APPLICATION	Aroon Charlangsut
PI012	ANALYSIS OF STRESS DISTRIBUTION FOR POWDER COMPRESSION MOLDING BY FINITE ELEMENT METHOD	Prakorb Chartpuk

Poster ID	Abstract Title	Presenter
PI013	ANALYSIS OF STRESS DISTRIBUTION FOR RUN-FLAT BY FINITE ELEMENT METHOD	Prakorb Chartpuk
PI014	PHYSICAL AND MECHANICAL BEHAVIOR OF COBALT OXIDE DOPED BNKT LEAD-FREE CERAMICS	Wilaiwan Leenakul
PI015	STUDY OF SYNTHESIS PARAMETERS OF Ni-rich $\text{LiNi}_{0.75}\text{Mn}_{0.15}\text{Co}_{0.10}\text{O}_2$ POWDER BY CO-PRECIPITATION METHOD	Wilaiwan Leenakul
PI016	DESIGN AND CONSTRUCTION CAPACITOR VOLTAGE DIVIDER FOR AC HIGH VOLTAGE 50 kV RATED TO TEST THE DIELECTRIC STRENGTH	Supawud Nedphokaew
PI017	A CONCEPTUAL FRAMEWORK FOR THE INNOVATIVE DESIGN OF TEMPORARY ACCOMMODATION FOR FLOOD VICTIMS IN THA KORPAI COMMUNITY, WARIN CHAMRAB, UBON RATCHATHANI PROVINCE, THAILAND.	Phudis Hompikul
PI018	ANALYSIS OF STANDARDIZED PRECIPITATION EVAPOTRANSPIRATION INDEX OVER CHIANGRAI AND PHAYAO PROVINCES	Chanattha Saengrattanayon
PI019	DESIGN AND CONSTRUCTION OF A MINI MAGNETIC LEVITATION TRAIN	Sakhon Woothipatanapan
PI020	DESIGN AND CONSTRUCTION THE RF ION SOURCE FOR COMPACT ACCERELATOR WITH 30 KEV ENERGY	Keratiya janpong
PI021	DEVELOPMENT OF A PORTABLE SPOT WELDING	Nitipat Eawsakul
PI022	AN ADSORBENT DEVELOPED FROM BANANA PEELS, WATER HYACINTH, AND KAPOK FOR PHOSPHORUS AND NITROGEN TREATMENT	Manoch Lakthandee
PI023	LEARNING ACTIVITY PROVISION ACCORDING TO 4H LIFE SKILLS PRINCIPLE USING ONLINE LESSONS VIA GOOGLE SITE FOR EDUCATION INFORMATION SYSTEM MANAGEMENT COURSE	Thanatcha Rattanaphant

Poster ID	Abstract Title	Presenter
PI024	DEVELOPMENT OF PROGRAMMED INSTRUCTION LABORATORY FOR APPLICATION IN TELECOMMUNICATION ENGINEERING	Rungaroon Procharoen
PI025	DEVELOPMENT OF RESONANCE CIRCUIT CALCULATION PROGRAM	Rungaroon Procharoen
PI026	THE EFFECT OF LEUCITE CERAMICS ON MECHANICAL PROPERTIES OF SILICONE COATING	Jirasak Tharajak
PI027	INFLUENCE OF CERAMIC ADDITIVES ON MECHANICAL PROPERTIES OF EPOXY COATING	Jirasak Tharajak
PI028	A STUDY ON CHARACTERIZATION OF BIOMASS FLY ASH	Jirasak Tharajak
PI029	THE EFFECT OF SINTERING TEMPERATURE ON PHYSICAL PROPERTY OF LEUCITE CERAMICS	Jirasak Tharajak
PI030	A STUDY ON CHARACTERIZATION OF FLAME SPRAY PVC COATING	Jirasak Tharajak
PI031	THE EFFECT OF MAGNETIC FIELDS ON ALIGNMENT DIRECTION OF IRON FILLER IN THE EPOXY	Jirasak Tharajak
PI032	THE INFLUENCE OF BAMBOO CHARCOAL TO MECHANICAL PROPERTIES OF EPOXY COATING	Jirasak Tharajak
PI033	EFFECT OF ARGON AND OXYGEN RATIOS AND DC POWER PARAMETER OF SPUTTERING ON DEPOSITION RATE EFFICIENCY OF $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ THIN FILMS	Jirasak Tharajak
PI034	THE EFFECT OF SPRAY DISTANCE ON PHASE TRANSITION OF CHROMIUM OXIDE COATINGS BY FLAME SPRAY PROCESS	Jirasak Tharajak

### Session 3: Textiles and Clothing Sustainability

Poster ID	Abstract Title	Presenter
PT001	DYE EXTRACTION FROM COFFEE SLUDE AND APPLICATION ON HEMP FABRIC DYEING USING ULTRASONIC TECHNIQUE	Rattanaphol Mongkhorrattanasit
PT002	A STUDY OF WICKABILITY OF QUICK DRY INNER WEAR	Chi-wai Kan, Irada Soodsung, Rattanaphol Mongkhorrattanasit
PT003	AN ANALYSIS OF RELATIVE HAND VALUE OF QUICK DRY INNER WEAR	Chi-wai Kan, Suchitra Chanuntawaree
PT004	DETERMINE THE THERMAL CONDUCTIVITY AND Q-MAX PROPERTIES OF QUICK DRY INNER WEAR	Chi-wai Kan, Usa Thangtham, Rattanaphol Mongkhorrattanasit
PT005	AN EXPERIMENTAL STUDY OF WATER VAPOUR TRANSMISSION OF QUICK DRY INNER WEAR	Chi-wai Kan, Wasana Changmuong, Rattanaphol Mongkhorrattanasit
PT006	AIR PERMEABILITY PROPERTY STUDY OF QUICK DRY INNER WEAR	Chi-wai Kan, Wipada Krajangpo, Rattanaphol Mongkhorrattanasit
PT007	EVALUATION ON THE PROPERTIES OF ULTRAVIOLET RADIATION AND AIR PERMEABILITY OF COTTON T-SHIRTS	Chi-wai Kan, Saowanee Thoakitkun, Rattanaphol Mongkhorrattanasit
PT008	EVALUATION ON THE DURABILITY OF ON-LINE AND PHYSICAL SHOP COTTON T-SHIRTS	Chi-wai Kan, Jaruwat Diswat,
PT009	COMPARATIVE STUDY OF MOISTURE MANAGEMENT AND THERMAL CONDUCTIVITY PROPERTIES OF COTTON T-SHIRTS BETWEEN ON-LINE AND OFF-LINE SHOPS	Chi-wai Kan, Nongnut Sasitsorn

<b>Poster ID</b>	<b>Abstract Title</b>	<b>Presenter</b>
PT010	EFFECT OF PLASMA PRE-TREATMENT ON THE DYEABILITY OF SILK FABRIC WITH METAL-COMPLEX DYE	Chi-wai Kan, Pichitphol Jaroensappayanant, Rattanaphol Mongkholrattanasit
PT011	EVALUATION OF THERMAL CONDUCTIVITY PROPERTY OF SOCKS	Chi-wai Kan, Naruepon Phaisarntantiwong, Sampas Suwankere, Rattanaphol Mongkholrattanasit
PT012	A STUDY OF THE AIR PERMEABILITY OF SOCKS	Chi-wai Kan, Kongkiat Maha-in, Rattanaphol Mongkholrattanasit
PT013	AN ANALYSIS OF WATER VAPOUR TRANSMISSION ABILITY OF SOCKS	Chi-wai Kan, Maturud Viengsima, Nittaya Wansopa, Rattanaphol Mongkholrattanasit
PT014	AN EXPERIMENTAL STUDY OF MOISTURE MANAGEMENT PROPERTY OF SOCKS	Chi-wai Kan, Kornchanok Buntorn, Rattanaphol Mongkholrattanasit
PT015	AN INVESTIGATION OF ABRASION RESISTANCE OF SOCKS	Chi-wai Kan, Chamlong Sarikanon, Rattanaphol Mongkholrattanasit
PT016	EFFECT OF PLASMA PRETREATMENT OF DYEABILITY OF SILK WITH ACID DYE	Chi-wai Kan, Cholthicha Sarikanon, Rattanaphol Mongkholrattanasit
PT017	WICKABILITY OF GAUZE PRODUCTS FOR INFANT	Chi-wai Kan, Kittisak Ariyakuare, Rattanaphol Mongkholrattanasit
PT018	A STUDY OF AIR PERMEABILITY OF GAUZE PRODUCTS FOR INFANT	Chi-wai Kan, Kasem Manarungwit, Krailerck Visephan
PT019	AN EVALUATION OF HAND FEEL OF GAUZE PRODUCTS FOR INFANT	Chi-wai Kan, Sarun Jankaew, Sudakan Yabdee, Rattanaphol Mongkholrattanasit

<b>Poster ID</b>	<b>Abstract Title</b>	<b>Presenter</b>
PT020	ENZYMATIC IMPROVEMENT OF PINEAPPLE FIBER QUALITY	Rungsima Chollakup
PT021	NATURAL INDIGO DYEING USING GLUCOSE AS REDUCING AGENT IN ALKALINE CONDITION FOR COTTON YARN	Rungsima Chollakup, Nattadon Rungruangkitkrai
PT022	THE COMPARISON OF MALEIC ACID, ITACONIC ACID AND BUTANE TETRACARBOXYLIC ACID AS ANTI-CREASE AGENT FOR COTTON FABRICS	Rungsima Chollakup
PT023	EFFECT OF YARN COUNT AND FABRIC DENSITY VARIATION ON MECHANICAL PROPERTIES OF SILK FABRICS	Pimpawan Kumphai, Rungsima Chollakup
PT024	DEMAND FACTORS OF NATURAL DYES OF SMEs/ OTOP AND START-UP ENTREPRENEURS FOR TEXTILE PRODUCT DEVELOPMENT	Nawarat Chartvivatpornchai
PT025	THERMAL INSULATION PROPERTY OF NONWOVEN FROM BLENDED BORASSUS FRUIT FIBER/ POLYESTER	Rattanaphol Mongkholrattanasit
PT026	THE STUDY AND DEVELOPMENT OF TOOLS FOR TRANSPORTING CHILDREN AT THE AGE OF 1-3 YEARS	Kasem Manarungwit
PT027	A STUDY AND DEVELOPMENT OF THE TAI-LUE'S WOVEN FOR TEXTILE PRODUCT WITH EMBROIDERY TECHNIQUES	Kasem Manarungwit
PT028	A COSTUME DESIGN OF LADIES' PARTY STYLE INSPIRED BY THE SHADOW PUPPET FROM NAKHON SRI THAMMARAT	Sampas Suwankeree, Naruepon Phaisarntantiwong,
PT029	DESIGN PARTY WOVEN WEAR INSPIRED BY PA KAO MAH FROM NONG PHOK DISTRICT, ROI ET PROVINCE, THAILAND	Naruepon Phaisarntantiwong, Maturod Viengsima, Krailerck Visephan

## Session 4: Innovation/technology, financial markets and economic growth

Poster ID	Abstract Title	Presenter
PE001	DETERMINING THE CONCENTRATION OF SOLUBLE ETHYLENE IN WATER IMMERSION PLANT USING ACIDIFIED POTASSIUM MANGANATE METHOD	Ni Putu Maha Lina, Kwanruetai Boonyasana
PE002	COST EFFECTIVENESS IN MEASURES FOR CONTROL OF H5N1 AVIAN INFLUENZA DISEASE IN THAILAND	Chinapratha Sitikornchayarpong, Siripen Supakankunti



## Program for Poster Presentation

June 22, 2018

Place: 2<sup>st</sup> Floor

### Session 1: Sustainability Science

Poster ID	Abstract Title	Presenter
PS001	OLEAGINOUS YEAST ISOLATED FROM MANGROVE FOREST IN CHANTHABURI PROVINCE AND ITS LIPID PRODUCTION	Puthita Chokreansukchai
PS002	DETERMINATION OF TOTAL ARSENIC USING MICROWAVE DIGESTION TECHNIQUE-GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROPHOTOMETRY	Woravith Chansuvarn
PS003	COMPARISON OF ADSORPTION EFFICIENCY OF MODIFIED FILTER CAKE FOR REMOVAL OF COPPER AND ZINC FROM AQUEOUS SOLUTION	Woravith Chansuvarn
PS004	APPLY COCONUT PROTEIN RESIDUE FROM PRODUCTION OF COCONUT OIL WITH EXTRACTED CURCUMA LONGA AS FOODS FOR REARING JUVENILE RED CLAW CRAYFISH	norasing penprapai
PS005	LOW-COST SPUTTERING PROCESS FOR CARBON NANOTUBES SYNTHESIS	Theerapol Thurakitseree
PS006	CHARACTERIZATION OF MECHANICAL AND PHYSICAL PROPERTIES OF BLEACHING PAPER FROM RICE STRAW	Udomdeja Polyium
PS007	A FACILE SYNTHESIS OF SELF-CATALYTIC PVP/PVA/CITRIC ACID HYDROGEL USING SODIUM HYDROGENCARBONATE AS A GELLING AGENT	Supachai Thongsuksaengcharoen
PS008	IMPROVEMENT OF MECHANICAL PROPERTIES AND WATER ABSORPTION IN WHEAT GLUTEN BY EPOXIDIZED NATURAL RUBBER	Kantima Chaochanchaikul
PS009	COOPERATIVE EFFECT BETWEEN GLYCEROL AND EPOXIDIZED NATURAL RUBBER IN WHEAT GLUTEN	Kantima Chaochanchaikul

Poster ID	Abstract Title	Presenter
PS010	THE OPTIMUM CONDITIONS FOR THE CARBOXYMETHYL CELLULOSE BIOPLASTIC FILM FROM JACKFRUIT USING NATURAL RUBBER AND GELATIN AS ADDITIVE SUBSTANCES.	Orasa Chaisaeng
PS011	ASSESSING THE EFFICIENCY OF DOMESTIC WASTEWATER TREATMENT BY USING TANNIN FROM BANANA LEAF SHEATH, LEUCAENA AND BENGAL ALMOND	Woranuch Deelaman
PS012	DESIGNING AND APPLICATION OF PLASMONIC INTERFEROMETRY	Chatchawal Sripakdee
PS013	THE STUDY OF WGM - PLASMON INTERACTION WITHIN A MICRO PANDA RING RESONATOR	Chatchawal Sripakdee
PS014	NEAR INFRARED SPECTROSCOPY ANALYSIS OF MIXED RAW AND PARBOILED RICE BRAN	Wirongrong Maksawasd
PS015	ALUMINA THIN FILM SYNTHESIS FOR IMPROVING SEMI-PRECIOUS STONE QUALITY WITH PLASMA ENHANCED ATOMIC LAYER DEPOSITION (PE-ALD)	Chanitda Prapaipong
PS016	FABRICATION AND CHARACTERIZATION OF PARTICLE BOARD FROM COFFEE HUSK WASTE	Nisakorn Nuamsrinuan
PS017	TEMPERATURE DEPENDENCE ON MECHANICAL, DIELECTRIC AND PIEZOELECTRIC PROPERTIES OF BST-MODIFIED BNKT CERAMICS	Pharatree Jaita
PS018	DESIGNED TO MEET THE CONDITIONS OF USE FOR PEOPLE WITH DISABILITIES AND DISABILITY CASE STUDYS: IMPROVING THE ENVIRONMENT OF THE CENTER FOR SOCIAL WELFARE DEVELOPMENT ELDERLY HOME KHAE. BANGKOK	Kornpong Thongsri
PS019	THE DESIGN ENVIRONMENT TO RESPOND TO APPLICATIONS FOR BABY APHASIA CASE STUDY: BABIES APHASIA AND INTELLIGENCE. "NONTAWITH HOME LANDSCAPE," PAK KRET DISTRICT SOME MAKETS. NONTHABURI	Kornpong Thongsri

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PS020	THE STUDY AND DESIGN OF THE PHYSICAL ENVIRONMENT IN RESPONSE TO APPLICATIONS FOR DISABLED CHILDREN IN EDUCATION: IMPROVING THE ENVIRONMENT OF THE ORPHANAGE FOR DISABLED CHILDREN IN PAK KRET, NONTHABURI.	Kornpong Thongsri
PS021	THE STUDY AND DESIGN OF THE PHYSICAL ENVIRONMENT IN RESPONSE TO APPLICATIONS FOR THE ELDERLY: A CASE STUDY TO IMPROVE THE PHYSICAL ENVIRONMENT OF THE CENTER FOR SOCIAL WELFARE DEVELOPMENT ELDERLY. PATHUM THANI	Kornpong Thongsri
PS022	MECHANICAL AND ELECTRICAL PROPERTIES OF BZT MODIFIED BY BARIUM HAZZAFERRITE	Supalak Manotham
PS023	THE EFFECTS OF BIOCHAR ADDITIVE ON THE PROPERTIES OF GEOPOLYMER MATERIALS	Phitchayanin Khamlue
PS024	PREPARATION AND CHARACTERIZATION OF DIATOMITE-BASED GEOPOLYMER MATERIALS	Suwanan Thammarong
PS025	PREPARATION AND CHARACTERIZATION OF CERAMIC WASTE -BASED GEOPOLYMER CERAMIC COMPOSITES FOR SUBSTRATE CULTURE APPLICATION	Kannikar Kaewapai
PS026	PREPARATION OF $BaFeTiO_3$ PEROVSKITE BY SOL-GEL MATHOD FOR MEASURING MAGNETIC PROPERTIES	Naphat Albutt
PS027	PREPARING BY SOLID STATE METHOD OF $Ca_2FeMoO_6$ DOUBLE PEROVSKITE MEASURED MAGNETIC PROPERTIES	Naphat Albutt
PS028	INVESTIGATION OF MAGNETIC PROPERTIES FOR $Ca_2FeMoO_6$ DOUBLE PEROVSKITES	Naphat Albutt
PS029	CHARACTERIZATION OF ANTIFERROMAGNETISM IN DOUBLE PEROVSKITES $Ba_2FeMoO_6$ PREPARED BY SOLID STATE METHOD	Naphat Albutt

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PS031	ODOR ABSORBING MATERIAL PRODUCED FROM FRESH PLANT FLOWERS WASTE AT THAI TEMPLE IN THAILAND	Naphat Albutt
PS032	STUDY, MAGNETIC PROPERTIES OF BaTiFeO <sub>3</sub> PEROVSKITE PREPARED BY SOLID STATE MATHOD	Naphat Albutt
PS033	THE APPLICATION OF REMOTE-CONTROLLED ASSISTED SURFACE WATER SAMPLING	Sirichai Saramanus
PS034	UTILIZATION OF EGGSHELL ASH FOR REMOVAL OF ORGANIC MICROPOLLUTANTS IN CONTAMINATED WATER	Varinthorn Boonyaroj
PS035	UTILIZING AGRICULTURAL WASTE AS AN ENVIRONMENTALLY FRIENDLY CEMENT COMPOSITE	Varinthorn Boonyaroj
PS036	EFFECT OF SYSTEM OF RICE INTENSIFICATION (SRI) ON GROWTH AND YIELD COMPONENT IN KDML105	Chontira Sangsiri
PS037	THE FABRIC DESIGN OF THE LADY'S PARTY ATTIRE INSPIRED AND MADE BY THE LOINCLOTH IN NON PHOK DISTRIC, ROI ET	Naruepon Phaisarntantiwong
PS038	THE INFLUENCE OF PREBIOTIC TYPES (GOS AND FOS) AND FAT CONTENT ON THE CHEMICAL, PHYSICAL AND SENSORY CHARACTERISTIC OF YOGHURT ICE CREAM AND MIX	Watcharaporn Toommuangpak
PS039	EFFECT OF THERMAL TREATMENT TEMPERATURE ON PHASE FORMATION AND BIOACTIVITY OF GLASS-CERAMICS BASED ON THE SiO <sub>2</sub> -Na <sub>2</sub> O-CaO-P <sub>2</sub> O <sub>5</sub> SYSTEM	Nuttapon Pisitpipathsin
PS040	NUTRITIONAL PROPERTIES, ANTIOXIDANT AND ANTI-ACETYLCHOLINESTERASE ACTIVITIES OF PLEUROTUS OSTREATUS	Siriphatr Chamutpong

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PS041	PHYTOCHEMICALS AND PHARMACOLOGICAL ACTIVITIES FROM BANANA FRUITS OF SEVERAL MUSA SPECIES FOR USING AS COSMETIC RAW MATERIALS	Chanai Noysang
PS042	EVALUATION OF PHYTOCHEMICALS AND PHARMACOLOGICAL ACTIVITIES OF BEN-CHA-LO-KA-WI-CHIAN REMEDY	Teerarat Pummarin
PS043	CONSTRUCTION AND CHARACTERIZATION OF ELECTRON CYCLOTRON RESONANCE OXYGEN PLASMA MACHINE FOR TOURMALINE TREATMENT	Chaipipat Pangkasorn
PS044	MEDIUM DENSITY FIBER BOARD FROM RENEWABLE WATER HYACINTH FIBER	Supaphorn
PS045	FABRICATION OF PINEAPPLE FIBERS REINFORCED EPOXY RESIN COMPOSITES	Supaphorn
PS046	PHYTOCHEMISTRY AND ANTIOXIDANT ACTIVITY OF MOLINERIA LATIFOLIA HERB. EXTRACTS	Kunthasaya Akkarasiritharattana
PS047	PRELIMINARY PHYTOCHEMICALS AND PHARMACOLOGIC ACTIVITIES ASSESSMENT OF WHITE AND PINK NELUMBO NUCIFERA GAERTN FLOWERS	Chanai Noysang
PS048	THE APPLICATION OF ACETOBACTER SPECIES IN SWEET GLUTINOUS RICE FERMENTATION FOR BACTERIAL CELLULOSE PRODUCTION	Duongruitai Nicomrat
PS049	BIODEGRADATION OF WATER HYACINTH DURING SUPPORTING FOR HYDROPONIC VEGETATION	Duongruitai Nicomrat
PS050	THE ACTIVITY OF INDEGENOUS MICROBIAL CONSORTIUM INTERACTING WITH ACETIC ACID BACTERIA STARTER AFFECTING VENIGAR PRODUCTION	Duongruitai Nicomrat
PS051	LACTOBACILLI DIVERSITY AS AN POTENTIAL INDICATOR FOR THE KIMCHI QUALITY	Duongruitai Nicomrat

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PS053	CHARACTERISTICS OF ISOLATED SPECIES OF CELLULOLYTIC BACTERIA LOCALIZED IN THE GOAT RUMENS	Duongruitai Nicomrat
PS054	SHELF LIFE STABILITY OF FREEZING DRIED LACTOBACILLI ISOLATES FROM FERMENTED DAIRY	Duongruitai Nicomrat
PS055	HIGH SALT AND SEQUENTIAL ACIDITY REQUIREMENT IN HOMEMADE PICKLE FERMENTED PRODUCTS AFFECTING ON DIMINISHED INDIGENOUS PATHOGENS	Duongruitai Nicomrat