

PROGRAM FOR GRAND OPENING CEREMONY OF STT46

OCTOBER 5th, 2020

**King Ramkhamhaeng the Great Auditorium
[501, 5th Floor, Sisattha Building (Live)]**

Time	Events
8:00	All guests are seated in King Ramkhamhaeng the Great Auditorium, Ramkhamhaeng University
9:00	<ul style="list-style-type: none"> - Arrival of Her Royal Highness Princess Maha Chakri Sirindhorn - The President of SST presents souvenir to HRH - The Rector of Ramkhamhaeng University presents souvenir to HRH - The Chairman of STT46 presents Congress package to HRH - The President of SST presents report on activities of the Science Society of Thailand - Her Royal Highness Princess Maha Chakri Sirindhorn graciously presents awards plaques to 2020 Senior Scientists, 2020 Thailand Outstanding Scientists, 2020 Outstanding Technologist, 2020 Young Scientists, 2020 Young Technologists, 2020 Outstanding Science Teachers, Winners of 2019 National Science Projects Competition, STT46 Premium Sponsors and Rector of Ramkhamhaeng University - The Chairman of STT46 presents report on STT46 - Grand Opening Address by Her Royal Highness Princess Maha Chakri Sirindhorn
9:40	<ul style="list-style-type: none"> - Dean of Faculty of Science, Ramkhamhaeng University introduces plenary lecturers : Plenary lecturer 1: Professor John Charles Warner, USA (2014 Perkin Medal Award, the highest honor in American Industrial Chemistry) Plenary lecture 2: Professor Dr. Suttichai Assabumrungrat, Thailand (2020 Outstanding Scientist Award) Plenary lecture 3: Dr. Wonnop Visessanguan, Thailand (2020 Outstanding Scientist Award)
9.45-10.15	- Plenary Lecture 1: "ALL FIELDS OF SCIENCE ADDRESSING THE UN SUSTAINABLE DEVELOPMENT GOALS" (Virtual)
10.15-10.30	- Plenary lecture 2: "PROCESS INTENSIFICATION AND MULTIFUNCTIONAL REACTORS FOR SUPPORTING THAILAND'S TRANSFORMATION TO BIO - CIRCULAR - GREEN (BCG) ECONOMY"
10.30-10.45	- Plenary lecture 3: "FROM FUNDAMENTAL RESEARCH IN FOOD CHEMISTRY TO INNOVATIONS THAT EXPAND NEW HORIZONS FOR THAILAND FOOD AND FEED INDUSTRIES"
10.45-10.55	Her Royal Highness Princess Maha Chakri Sirindhorn visits Ramkhamhaeng University's Research Exhibition
10.55-11.15	<ul style="list-style-type: none"> - Her Royal Highness Princess Maha Chakri Sirindhorn presides at photo sessions with - The Council of Science Dean of Thailand - Administrative and Executive Committees of the Science Society of Thailand under the Patronage of His Majesty the King - Administrative and STT46 Organizing Committees of Ramkhamhaeng University - Members of University Head of Department of basic sciences Forum - Her Royal Highness Princess Maha Chakri Sirindhorn presides at Grand Lunch
12.15	Her Royal Highness Princess Maha Chakri Sirindhorn departs from Ramkhamhaeng University

PROGRAM FOR SESSIONS, SYMPOSIUMS AND MEETINGS

OCTOBER 5th, 2020

Session:	Poster Presentation		
Room:	2nd Floor		
Building:	Sisattha Building		
Time	ID	Speaker	Title
11:00-13.30	-	-	Poster Presentation (Symposium: SP01-SP16)
11:00-13.30	-	-	Poster Presentation (YRSS)

Symposium:	SP14-Promoting Research Integrity		
Room:	8th Floor, 802		
Building:	Sisattha Building		
Chair person:	Dr. Roderick Bates		
Co-ordinator:	Asst. Prof. Dr. Vachiraporn Ajavakom		
Student:	Mr. Pakarapon Poonsukkho		
Time	ID	Speaker	Title
13:30-14:00	SP14_INV001	Chien Chou	ESTABLISHING TAIWAN FRAMEWORK OF RESEARCH INTEGRITY PROMOTION: GOVERNMENT POLICY, INSTITUTIONAL MANAGEMENT, RESEARCHERS' TRAINING AND CASE-HANDLING
14:00-14:30	SP14_INV002	Daniel Barr	GUIDING PRINCIPLES FOR RESEARCH INTEGRITY ACROSS ASIA-PACIFIC
14:30-15:00	SP14_INV003	De-Ming Chau	A BOTTOM-UP APPROACH TO FOSTER RESEARCH INTEGRITY IN MALAYSIA AND ASEAN

Symposium:	SP16-360° COVID-19		
Room:	8th Floor, 803		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Sopit Wongkham		
Co-ordinator:	Dr. Santhana Nakapong		
Student:	Mr. Pitakchai Fuangkeaw		
Time	ID	Speaker	Title
13:30-14:10	SP16_INV001	Kiat Ruxrungham	COVID-19 VACCINE: GLOBAL AND COUNTRY UPDATE
14:10-14:50	SP16_INV002	Arunee Thitithanyanont	DEVELOPMENT OF PLATFORMS TO MODEL PATHOGENESIS, THERAPEUTIC STRATEGIES AND VACCINE DEVELOPMENT AGAINST SARS-COV-2 INFECTION
14:50-15:30	SP16_INV003	Pilailak Akkapaiboon Okada	EARLY TRANSMISSION PATTERNS OF CORONAVIRUS DISEASE 2019 (COVID-19) IN TRAVELLERS FROM WUHAN TO THAILAND, JANUARY 2020

Session:	B1-Math Stat Comp in the Digitally Innovative Era		
Room:	8th Floor, 806		
Building:	Sisattha Building		
Chair person:	Assoc. Prof. Dr. Chartchai Leenawong		
Co-ordinator:	Asst. Prof. Dr. Sirirat Singhun		
Student:	Mr. Arirush Wongnutpranont		
Time	ID	Speaker	Title
13:30-14:00	B_INV001	Antony James Harfield	AI FOR SOCIAL GOOD: AUDIO-BASED THREAT DETECTION FOR PROTECTING FORESTS
14:00-14:15	B_006_OA	Sirirat Singhun	CLOSED (2, 3)-KNIGHT'S TOURS ON THE $1 \times n$, $2 \times n$, $3 \times n$ AND $4 \times n$ TOROIDAL CHESSBOARDS FOR ALL POSITIVE INTEGER n
14:15-14:30	B_024_OA	Jirapha Limbupasiriporn	MINIMUM-WEIGHT BASES FOR CODES FROM COMPLETE MULTIPARTITE GRAPHS
14:30-14:45	B_018_OA	Ponrudee Netisopakul	PREDICTING STOCK PRICE DIRECTION USING TEXT CLASSIFICATION AND SENTIMENT ANALYSIS ON STOCK NEWS
14:45-15:00	B_010_OF	Wittaya Phaengthaisong	AN ADAPTIVE DIFFERENTIAL EVOLUTION ALGORITHM USING PROBABILITY-BASED CONTROL PARAMETERS WITH THE ALTERNATING OF LEARNING AND UTILIZING PERIODS
15:00-15:15	B_012_OF	Watcharida Nararuk	AN ADAPTIVE DIFFERENTIAL EVOLUTION ALGORITHM BY USING MIXED MUTATION AND CROSSOVER STRATEGIES
Break			
15:35-15:50	B_021_OF	Pratchayaporn Doemlim	GRAPH AND NUMBER THEORETIC PROPERTIES OF CERTAIN MAPS OVER FINITE FIELD
15:50-16:05	B_016_OA	Porawat Visutsak	ACTIVITY CLASSIFICATION USING LOW PASS FILTER DEEP CONVOLUTIONAL LSTM
16:05-16:20	B_017_OF	Amarita Ritthipakdee	AN IMPROVED SHARK ALGORITHM FOR OPTIMIZATION PROBLEM

Session:	D1-Responsible Chemical Sciences for Future Sustainability		
Room:	8th Floor, 807		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Orawon Chailapakul		
Co-ordinator:	Assoc. Prof. Dr. Korakot Navakhun		
Student:	Ms. Ploypailin Rangseethampanya		
Time	ID	Speaker	Title
13:30-14:00	D_KEY001	Oliver Reiser	COPPER MAKES THE DIFFERENCE: DEVELOPING SUSTAINABLE PHOTOREDOX CATALYZED TRANSFORMATIONS
14:00-14:30	D_INV001	Taro Toyota	GIANT VESICLE ENGINEERING: BIOSENSOR AND CELL/TISSUE-MARKER
14:30:14:50	D_004_OF	Nitis Meeploy	SYNTHESIS OF DIMETHYL ETHER ON COPPER OXIDE - ZINC OXIDE-ALUMINIUM OXIDE OVER GRAPHENE OXIDE AND (γ -Al ₂ O ₃) CATALYSTS
14:50-15:10	D_005_OF	Andaru Dena Prasiwi	SURFACE-ENHANCED RAMAN SCATTERING USING FLUORESCENCE-QUENCHED CARBON QUANTUM DOTS FOR MERCURY ION DETECTION
15:10-15:30	D_007_OF	Trang Pham Thi	SYNTHESIS OF 1,2-NAPHTHOQUINONE DERIVATIVES AS α -GLUCOSIDASE INHIBITORS
Break			
15:40-16:00	D_011_OF	Nattapon Siengdung	HYDROTHERMAL SYNTHESIS OF NITROGEN-DOPED CARBON DOTS FROM AROMATIC AMINO ACIDS UNDER ACIDIC CONDITION
16:00-16:20	D_014_OA	Sunita Chamyuang	COFFEE PECTIN PRODUCTION AN ALTERNATIVE WAY FOR AGRICULTURAL WASTE MANAGEMENT IN COFFEE FARMS
16:20-16:40	D_016_OF	Watchara Wimonsong	OXIDATIVE COUPLING OF QUINOXALINONE WITH AZOLES AND RELATED COMPOUNDS
16:40-17:00	D_023_OA	Sarunya Promkotra	HYDROGEOCHEMICAL ATTRIBUTES OF GROUNDWATER IN BAN KHAM BON LANDFILL, MUEANG KHON KAEN, THAILAND

Session:	E1-Innovations for Sustainable Future		
Room:	5th Floor, 501		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Tawan Sooknoi		
Co-ordinator:	Assoc. Prof. Dr. Annupan Rodtook		
Student:	Ms. Wiphawan Aunkhongthong		
Time	ID	Speaker	Title
13:30-14:00	E_INV001	Soracha Dechaumphai	MULTIFUNCTIONAL THERANOSTIC RED BLOOD CELL MEMBRANE COATED NANOPARTICLES FOR THE TREATMENT AND DETECTION OF BREAST CANCER
14:00-14:20	E_001_OF	Napat Prompat	STRUCTURE-GUIDED DESIGN OF INTERLEUKIN-18 AS A POTENTIAL CYTOKINE-MEDIATED IMMUNOTHERAPY
14:20-14:40	E_002_OF	Chariya Peeyatu	STRUCTURAL ANALYSIS OF T63 ALTERATION IN HUMAN INTERLEUKIN-18
14:40-15:00	E_008_OA / E_026_OA	Puchiss Phromchang/ Wootinun Ouppapong	STUDY AND DEVELOPMENT OF SOFTWARE FOR MUSIC NOTATION
15:00-15:20	E_009_OA	Kusuma Jaipiam	IMAGE PROCESSING OF CT SCAN IMAGE FOR LIVER LOCALIZATION
Break			
15:30-15:50	E_010_OF / E_028_OF	Kitisak Boonkham / Thanyanan Phuphachong	APPARATUS FOR DETERMINING YOUNG'S MODULUS OF SOLID MATERIALS BASED ON GRAVITATIONAL FORCE ANALYSIS
15:50-16:10	E_016_OF	Amone Phangpyhlavong	APPLICATION OF AIR DECK BLASTING TECHNIQUE AT KHOUNXAY GYPSUM MINE, SAVANNAKHET PROVINCE, LAO PDR
16:10-16:30	E_021_OF	Tanu-udom Maneesing	NUTRITION CARE PROCESS OF MULTIDISCIPLINARY CARE TEAM IN IN-PATIENT DEPARTMENT (IPD) PATIENTS
16:30-16:50	E_031_OF / E_034_OF	Panuphong Northao / Natwara Thongsak	THE PORTABLE DARK FIELD MICROSCOPE

Session:	Council of Science Deans of Thailand's Meeting		
Room:	3rd Floor, 301		
Building:	Office of the President Building		
Time	ID	Speaker	Title
13:30-16:30		-	Meeting

Session:	CEPMART Meeting		
Room:	10th Floor, 1002		
Building:	Sisattha Building		
Time	ID	Speaker	Title
13:30-16:30		-	Meeting

Session:	The 35th Chemistry Department Heads of Thailand Meeting		
Room:	10th Floor, 1003		
Building:	Sisattha Building		
Time	ID	Speaker	Title
13:30-16:30		-	Meeting

Session:	The 3rd Physics Department Heads of Thailand Meeting		
Room:	10th Floor, 1006		
Building:	Sisattha Building		
Time	ID	Speaker	Title
13:30-16:30		-	Meeting

Session:	The 2nd Biology Department Heads of Thailand Meeting		
Room:	10th Floor, 1007		
Building:	Sisattha Building		
Time	ID	Speaker	Title
13:30-16:30		-	Meeting

Session:	Annual General Meeting of BMB section, STT		
Room:	8th Floor, 803		
Building:	Sisattha Building		
Time	ID	Speaker	Title
15:30-16:30		-	Meeting

Session:	Science Deans & Department Heads Reception		
Room:	Sak Phasuk Niran Room		
Building:	King Ramkhamhaeng the Great Auditorium		
Time	ID	Speaker	Title
17:30-20:00		-	Reception

OCTOBER 6th, 2020

Session:	C1-Impact of Biological Science towards SDGs		
Room:	8th Floor, 802		
Building:	Sisattha Building		
Chair person:	Asst. Prof. Dr. Noppadon Kitana		
Co-chair:	Prof. Dr. Supachitra Chadchawan		
Co-ordinator:	Dr. Thanasan Khaosaad		
Student:	Mr. Pakarapon Poonsukkho		
Time	ID	Speaker	Title
8:30-9:00	C_INV001	Phiangphak Sukkharak	TOWARDS BRYOPHYTE FLORA OF THAILAND: TAXONOMIC REVISIONS OF THE LIVERWORT GENERA <i>Frullania</i> , <i>Pleurozia</i> , AND <i>Metzgeria</i> IN THAILAND
9:00-9:20	C_036_OA	Kanokorn Rueangsawang	MOLECULAR ANALYSIS OF THE SHRIMP PLANT (<i>RUNGIA</i> , ACANTHACEAE) IN THAILAND
9:20-9:40	C_044_OA	Atchaneey Boonprakob	THE MORPHOLOGY AND PHYLOGENY OF THE DIATOM GENERA <i>Rhizosolenia</i> , <i>Proboscia</i> , <i>Pseudosolenia</i> AND <i>Neocalyptrella</i> FROM GULF OF THAILAND AND THE ANDAMAN SEA, WITH A DESCRIPTION OF <i>Proboscia siamensis</i> sp. nov., AND THE ERECTION OF A NEW ORDER FOR <i>Proboscia</i>
9:40-10:00	C_015_OF	Jenjira Asayot	STUDY ON INFLORESCENCE DEVELOPMENT OF LONGAN (<i>Dimocarpus longan</i> Lour.) 'PHUANG THONG' GROWN AT SAMUT SAKHON PROVINCE, THAILAND
10:00-10:20	C_033_OA	Kittisak Buddhachat	FEASIBILITY OF CRISPR-cas12a FOR PLANT SPECIES IDENTIFICATION WITHOUT DNA AMPLIFICATION; A CASE OF <i>Phyllanthus amarus</i>
Break			
10:30-11:00	C_INV002	Luca Comai	PROGRESS AND OPPORTUNITIES FOR RESHAPING PLANT GENOMES VIA CRISPR
11:00-11:20	C_040_OF	Supakarat Kaewpeng	THE DISRUPTION OF A STRUCTURAL CELL WALL PROTEIN <i>SED1</i> IN <i>Saccharomyces cerevisiae</i> FOR YEAST CELL SURFACE DISPLAY
11:20-11:40	C_023_OF	Suthathip Phetlum	PURIFICATION AND BIOCHEMICAL CHARACTERIZATION OF AMYLASE ENZYME FROM <i>Puntioplites proctozysron</i>

Symposium:	SP03-Crystallography		
Room:	8th Floor, 803		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Nongnuj Muangsin		
Co-chair:	Asst. Prof. Dr. Kittipong Chainok		
Co-ordinator:	Assoc. Prof. Dr. Korakot Navakhun		
Student:	Ms. Wiphawan Aunkhongthong		
Time	ID	Speaker	Title
8:30-9:00	SP03_INV001	Marie Hoarau	DISCOVERY OF NEW <i>Plasmodium falciparum</i> DHFR INHIBITORS USING A FRAGMENT-BASED SCREENING STRATEGY
9:00-9:30	SP03_INV002	Bunyarat Rungtaweivoranit	CHEMISTRY OF METAL-OXIDE NODES IN METAL-ORGANIC FRAMEWORKS AND ITS IMPLICATION IN HETEROGENEOUS CATALYSIS
9:30-9:50	SP03_002_OA	Saruda Yokputtaraksa	SYNTHESIS, STRUCTURAL, ANTIBACTERIAL AND FLUORESCENCE PROPERTIES OF Zn(II) AND Cd(II) IMIDAZOLYIMINE COMPLEXES
9:50-10:10	SP03_003_OF	Suwijai Jatupohnkhongchai	PETROGRAPHY AND GEOCHEMISTRY OF QUARTZITES AND METASANDSTONES AS EVIDENCES FOR TECTONIC ENVIRONMENT OF THE SILURIAN-DEVONIAN BO PHLOI FORMATION, KANCHANABURI, WESTERN THAILAND
10:10-10:30	SP03_005_OF	Narongdetch Boothrawong	ENHANCE ELECTRICAL PROPERTIES OF BARIUM CALCIUM ZIRCONIUM TITANATE ($Ba_{0.85}Ca_{0.15}Zr_{0.10}Ti_{0.90}O_3$) LEAD-FREE CERAMICS BY SINTERING TEMPERATURES
10:30-10:50	SP03_006_OF	Lalita Tawee	EFFECTS OF SYNTHESIS ROUTE ON THE PROPERTIES OF $0.99 Bi_{0.5}(Na_{0.8}K_{0.2})_{0.5}TiO_3 - 0.01Bi (Mg_{2/3}Nb_{1/3}) O_3$ LEAD FREE CERAMICS

Session:	B2-Math Stat Comp in the Digitally Innovative Era		
Room:	8th Floor, 806		
Building:	Sisattha Building		
Chair person:	Assoc. Prof. Dr. Chartchai Leenawong		
Co-ordinator:	Asst. Prof. Dr. Nitidetch Koohathongsumrit		
Student:	Mr. Arirush Wongnutpranont		
Time	ID	Speaker	Title
8:30-9:00	B_INV002	Bligetta Servatius	STRESSABILITY OF MULTIDIMENSIONAL FRAMEWORKS
9:00-9:15	B_001_OA	Khwancheewa Wattanatripop	ON $nd-K^*(n,r)$ -FULL HYPERSUBSTITUTIONS
9:15-9:30	B_002_OF	Wasin Tranghiranyathorn	IMPROVED MASK FOR ADAPTIVE FRACTIONAL ORDER DIFFERENTIAL METHOD FOR MEDICAL IMAGE ENHANCEMENT
9:30-9:45	B_003_OA	Suriyon Yimnet	MODE-DEPENDENT AVERAGE DWELL TIME APPROACH TO FINITE-TIME BOUNDEDNESS OF LINEAR SWITCHED POSITIVE TIME-DELAY SYSTEMS WITH FINITE-TIME UNBOUNDED SUBSYSTEMS
9:45-10:00	B_004_OF	Siwaphorn Kanchanarat	A MATHEMATICAL STUDY OF DIPHTHREIA MODEL WITH TRANSPORT-RELATED INFECTION AND ASYMPTOMATIC INFECTION
10:00-10:15	B_007_OF	Natdanai Boonsri	MODELING THE IMPACT OF HIV INFECTION ON TB INCIDENCE
Break			
10:30-10:50	B_009_OF	Denpong Pongpipat	THE NORDHAUS-GADDUM INEQUALITIES FOR ACYCLIC NUMBERS ON UNITARY CAYLEY GRAPHS OF FINITE RINGS
10:50-11:10	B_011_OF	Suriyakamol Thongjob	SOME GENERALIZATIONS OF HARDY TYPE INTEGRAL INEQUALITIES FOR (p,q) -INTEGRABLE FUNCTIONS
11:10-11:30	B_014_OA	Thanomsak Laokul	A COMMON ENDPOINT THEOREM FOR A PAIR OF SINGLE-VALUED SUZUKI MAPPING AND MULTIVALUED SUZUKI MAPPING WITHOUT THE COMMUTATIVE CONDITION
11:30-11:50	B_019_OF	Puchong Praekhaow	THE CONDITION AND PROBLEMS ON LEARNING MANAGEMENT IN MATHEMATICS OF UNDERGRADUATE STUDENTS

Session:	D2-Responsible Chemical Sciences for Future Sustainability		
Room:	8th Floor, 807		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Orawon Chailapakul		
Co-ordinator:	Asst. Prof. Dr.Vachiraporn Ajavakom		
Student:	Ms. Ploypailin Rangseethampanya		
Time	ID	Speaker	Title
8:30-9:00	D_INV002	Taweetham Limpanuparb	A VIRTUAL ALTERNATIVE TO MOLECULAR MODEL SETS: CONSTRUCTING AND VISUALIZING MOLECULES IN MOLECULAR GRAPHICS SOFTWARE
9:00-9:30	D_INV003	Pumidech Puthongkham	EXPANDING THE TOOLBOX FOR REAL-TIME ELECTROCHEMICAL DETECTION OF NEUROTRANSMITTERS
9:30-9:50	D_029_OF	Teck Hock Lim	CALCIUM ALGINATE ENCAPSUALTED SULFUR PARTICLES FOR METAL NANOPARTICLES CAPTURE: A CASE STUDY OF SILVER NANOPARTICLES
9:50-10:10	D_030_OA	Saytanar Tun	SYNTHESIS AND CHARACTERIZATION OF MAGNESIUM ALUMINATE NANOPARTICLES BY HYDROTHERMAL METHOD
10:10-10:30	D_031_OA	Rakhi Majumdar	POROUS HYBRID POLYMER COMPOSED OF SILSESQUIOXANE CAGES AND PORPHYRIN MOIETIES: SENSING AND ADSORPTION

Session:	E2-Innovations for Sustainable Future		
Room:	5th Floor, 501		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Tawan Sooknoi		
Co-chair:	Dr. Sasitorn Srisawadi / Dr. Kampanart Silva		
Co-ordinator:	Dr. Warisa Thangjai		
Student:	Ms. Wiphawan Aunkhongthong		
Time	ID	Speaker	Title
8:30-9:00	E_KEY001	Pun-Arj Chairatana	TRILOGY OF CRISIS: REIMAGING INNOVATION FOR SUSTAINABLE FUTURE
9:00-9:30	E_INV002	Sasitorn Srisawadi	NEW 3D PRINTING TECHNOLOGY AND OPPORTUNITIES IN NATURAL RUBBER PRODUCT DESIGN
9:30-9:50	E_022_OA	Onchira Ritbamrung	Detection of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> (<i>Xoo</i>) CAUSING BACTERIAL LEAF BLIGHT IN RICE USING A pH-SENSITIVE LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP)
9:50-10:10	E_023_OA	Suphaporn Paenkaew	MOLECULAR DETECTION OF RICKETTSIA, <i>Ehrlichia canis</i> and <i>Anaplasma platys</i> , IN CANINE BLOOD USING RPA METHOD
10:10-10:30	E_024_OA	Wanrachon Nukool	GENETIC DIVERSITY, GEOGRAPHIC DIFFERENTIATION AND CHEMICAL PROFILE OF ASIATIC PENNYWORT (<i>Centella asiatica</i> (L.) URBAN) IN THAILAND
Break			
10:40-11:00	E_025_OA	Tanaporn Kaewcheed	LOGISTICS COST REDUCTION MODEL IN FOOD INDUSTRY, RAYONG
11:00-10:20	E_029_OA	Oranit Krasesintra	ALTERNATIVE NATURAL HAIR DYE PRODUCT USING THE PIGMENT EXTRACTED FROM CYANOBACTERIA
11:20-11:40	E_032_OF	Siwattra Pruksasri	RAPID AND COST-EFFECTIVE FABRICATION METHOD OF MICROFLUIDIC CELL CULTURE DEVICES USING A STEREOLITHOGRAPHY 3D PRINTING
11:40-12:00	E_035_OA	Nay Mar Soe	STUDY ON FOOD RANCIDITY OF VIGRIN COCONUT OIL IN TANINTHARYI REGIONAL DESSERT (MOHT KALEME)

Symposium:	SP09-Green Production Platform for Renewable Biomass Conversion		
Room:	9th Floor, 902		
Building:	Sisattha Building		
Chair person:	Assoc. Prof. Dr. Nuttha Thongchul		
Co-ordinator:	Asst. Prof. Dr. Sanya Kudan		
Student:	Mr. Charernmee Chamchoy		
Time	ID	Speaker	Title
9:30-10:00	SP09_INV001	Nuwong Chollakup	BIODIESEL UPGRADING TECHNOLOGY FOR HIGHER BLEND WITH DIESEL TO REDUCE PM2.5
10:00-10:30	SP09_INV002	Kobkul Laoteng	KEY ELEMENTS AND STRATEGIES FOR FUNCTIONAL LIPIDS PRODUCTION BY FILAMENTOUS FUNGAL PLATFORM
10:30-10:50	SP09_005_OF	Munsuree Kalong	CATALYTIC TRANSFER HYDROGENATION OF FURFURAL INTO FURFURYL ALCOHOL AND 2-METHYLFURAN OVER IRON-PROMOTED COPPER CATALYSTS
10:50-11:10	SP09_008_OA	Myat Hnin Ei	EFFECTIVENESS OF SAPONIN ON PHYTOREMEDIATION OF PETROLEUM - CONTAMINATED SOIL
11:10-12:00	SP09_INV003	Benjamas Chiersilp	BIOCONVERSION OF PALM BIOMASS WASTES TO BIODIESEL FEEDSTOCKS AND CELLULOSE PULPS BY LIGNOCELLULOLYTIC OLEAGINOUS FUNGI

Session:	Annual Meeting of the Science Society of Thailand Under the Patronage of His Majesty the King		
Room:	3rd Floor, 301		
Building:	Sisattha Building		
Time	ID	Speaker	Title
12:00-14:00		-	Meeting

Session:	Meeting of the STT47 Committee		
Room:	3rd Floor, 301		
Building:	Sisattha Building		
Time	ID	Speaker	Title
14:00-15:30		-	Meeting

Session:	C2-Impact of Biological Science towards SDGs		
Room:	8th Floor, 802		
Building:	Sisattha Building		
Chair person:	Asst. Prof. Dr. Noppadon Kitana		
Co-chair:	Prof. Dr. Supachitra Chadchawan		
Co-ordinator:	Asst. Prof. Dr. Kanokorn Rueangsawang		
Student:	Mr. Pakarapon Poonsukkho		
Time	ID	Speaker	Title
13:30-14:00	C_INV003	Riyoichi Matsuda	JAPANESE JUNIOR AND SENIOR HIGH SCHOOL BIOLOGY EDUCATION ARE FAR FROM "NEW NORMAL"
14:00-14:20	C_002_OF	Kaisone Chanda	MOLECULAR CLONING AND PREDICTION OF ANTIGENIC DETERMINANTS OF 23 KDA INTEGRAL MEMBRANE PROTEIN FROM <i>SCHISTOSOMA MEKONGI</i>
14:20-14:40	C_032_OF	Hong Do	MOLECULAR CLONING AND B-CELL EPITOPES OF THE GENE ENCODING FATTY ACID BINDING PROTEIN FROM BLOOD FLUKE (<i>SCHISTOSOMA MEKONGI</i>)
14:00-15:00	C_039_OF	Sutanya Thanudaksorn	MOLECULAR CHARACTERIZATION OF FLUOROQUINOLONE NON-SUSCEPTIBILITY IN CARBAPENEM-RESISTANT <i>Klebsiella pneumoniae</i> ISOLATED FROM SOUTHERN, THAILAND
15:00-15:30	C_INV004	Kesara Margrét Jónsson	IMAGING BIOLOGICAL SAMPLES BY SCANNING ELECTRON MICROSCOPY

Symposium:	SP05-Emerging Trends of Quantum Technology		
Room:	8th Floor, 803		
Building:	Sisattha Building		
Chair person:	Dr. Anucha Watcharapasorn		
Co-ordinator:	Dr. Kittiwat Tangmongkollert		
Student:	Mr. Pitakchai Fuangkeaw		
Time	ID	Speaker	Title
13:00-13:30	SP05_INV001	Yoshiro Hirayama	HYBRID QUANTUM SYSTEM AND HYPERFINE MEDIATED TRANSPORT PROPERTIES
13:30-14:00	SP05_INV002	Tsutomu Nojima	COMPREHENSIVE VORTEX PHASE DIAGRAM OF ION-GATED TWO DIMENSIONAL SUPERCONDUCTORS
14:00-14:30	SP05_INV003	Shau-Yu Lan	QUANTUM ENGINEERING IN OPTICAL FIBERS
14:30-15:00	SP05_INV004	Areeya Chantasri	ESTIMATING QUANTUM SYSTEM'S STATE DYNAMICS USING CONTINUOUS WEAK MEASUREMENT
15:00-15:30	SP05_INV005	Nithiwadee Thaicharoen	HAMILTONIAN ENGINEERING IN STRONGLY INTERACTING RYDBERG SYSTEMS
15:30-16:00	SP05_INV006	Hai Q. Dinh	NEW QUANTUM CODES FROM CYCLIC AND NEGACYCLIC CODES OF PRIME POWER LENGTHS

Session:	B3-Math Stat Comp in the Digitally Innovative Era		
Room:	8th Floor, 806		
Building:	Sisattha Building		
Chair person:	Assoc. Prof. Dr. Chartchai Leenawong		
Co-ordinator:	Asst. Prof. Dr. Sirirat Singhun		
Student:	Mr. Arirush Wongnutpranont		
Time	ID	Speaker	Title
13:00-13:15	B_008_OA	Adthasit Sinna	A NOTE ON THE CIRCUMFERENCE OF 3-CONNECTED CUBIC PLANE GRAPHS
13:15-13:30	B_015_OA	Thodsaporn kumduang	LEFT VARIABLES TERMS AND APLICATIONS FOR CLASSIFYING ALGEBRA
13:30-13:45	B_025_OA	Saranya Phongchan	REGULARITY AND FINITENESS CONDITIONS ON TRANSFORMATION SEMIGROUPS WITH INVARIANT SETS
13:45-14:00	B_020_OF	Sainuddeen Nuiphom	BLIND DEBLURING IMAGE VIA L_2 - REGULARIZATION
14:00-14:15	B_022_OF	Areena Hazanee	HYBRID FINITE INTEGRATION METHOD FOR SOLVING ORDINARY DIFFERENTIAL EQUATIONS

Symposium:	SP12-Marine Plastic Abatement		
Room:	8th Floor, 806		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Thammarat Koottatep		
Co-ordinator:	Dr. Tatchai Pussayanavin		
Student:	Mr. Arirush Wongnutpranont		
Time	ID	Speaker	Title
14:40-15:10	SP12_INV001	Chongrak Polprasert	PLASTIC WASTE MANAGEMENT AND CURRENT STATUS IN THAILAND: ISSUES OF MARINE PLASTIC WASTE FROM LAND-BASED SOURCES
15:10-15:40	SP12_INV002	Chettiyappan Visvanathan	CO-PROCESSING PLASTIC WASTE FROM DUMPSITES IN CEMENT INDUSTRY A WAY TO CURB MARINE PLASTIC POLLUTION
15:40-16:10	SP12_INV003	Amila Abeynayaka	LIFE CYCLE APPROACH IN MARINE PLASTIC ABATEMENT: PRESENT STATUS AND FUTURE DIRECTIONS
16:10-16:30	SP12_002_OA	Ekbordin Winijkul	EFFECTS OF THE SOURCE SEPARATION ON THE AIRBORNE MICROPLASTICS IN THE AIR NEAR GARBAGE BURNING
16:30-16:50	SP12_003_OA	Tran Thanh Dan	GIS-BASED APPROACH TO MAPPING OF LAND-BASED PLASTIC LEAKAGE
16:50-17:10	SP12_004_OA	Kittipong Phattananuruch	PRELIMINARY STUDY ON TRANSPORTATION AND DISTRIBUTION OF MARINE DEBRIS IN THE GULF OF THAILAND IN 2018 USING HYDRODYNAMIC AND WATER QUALITY SIMULATION MODEL

Symposium:	SP10-Hydrogen Energy		
Room:	8th Floor, 807		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Suttichai Assabumrungrat		
Co-chair:	Asst. Prof. Dr. Pattaraporn Kim-Lohsoontorn		
Co-ordinator:	Asst. Prof. Dr. Tatiya Chokbunpiam		
Student:	Ms. Ploypailin Rangseethampanya		
Time	ID	Speaker	Title
13:30-14:00	SP10_KEY001	Nigel Brandon	INNOVATION IN ELECTROCHEMICAL TECHNOLOGIES FOR THE LOW CARBON ENERGY TRANSITION
14:00-14:30	SP10_KEY002	Arunratt Wuttimongkolchai	OPPORTUNITIES OF HYDROGEN TECHNOLOGIES FOR CLEAN AND SUSTAINABLE GROWTH IN THAILAND
14:30-15:00	SP10_KEY003	Sumittra Charojrochkul	GREY AND GREEN HYDROGEN PRODUCTION
15:00-15:30	SP10_KEY004	Navadol Laosiripojana	CATALYTIC PARTIAL OXIDATION OF METHANE OVER Re-BASED CATALYSTS
Break			
Chair person:	Prof. Dr. Suttichai Assabumrungrat		
Co-chair:	Prof. Dr. Navadol Laosiripojana		
Co-ordinator:	Asst. Prof. Dr. Tatiya Chokbunpiam		
Student:	Ms. Ploypailin Rangseethampanya		
Time	ID	Speaker	Title
15:45-16:10	SP10_INV001	Suwimol Wongsakulphasatch	GREEN TECHNOLOGY FOR CO-PRODUCTION OF HIGH PURITY HYDROGEN AND SYNTHESIS GAS
16:10-16:35	SP10_INV002	Pattaraporn Kim-Lohsoontorn	DEVELOPMENT OF CERIA- AND ZIRCONIA-BASED ELECTROLYZER FOR HYDROGEN PRODUCTION
16:35-17:00	SP10_INV003	Sakhon Ratchahat	POWER-TO-GAS (PTG) TECHNOLOGY AS EFFICIENT ROUTE FOR CO ₂ UTILIZATION: DEVELOPMENT OF STRUCTURED CATALYTIC SYSTEM
17:00-17:15	SP10_001_OF	Kritchakorn Aimdate	DEVELOPMENT OF Ni-BASED CATALYST FROM NATURAL KAOLIN VIA MICROWAVE ASSISTED SYNTHESIS FOR CO ₂ METHANATION

Symposium:	SP08-Green and Sustainable Chemistry: Opportunities for Academia and Industry		
Room:	5th Floor, 501		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Joseph Samec		
Co-chair:	Dr. Duangamol Tungasmita		
Co-ordinator:	Assoc. Prof. Dr. Apiwat Chompoosor		
Student:	Ms. Wiphawan Aunkhongthong		
Time	ID	Speaker	Title
13:00-13:30	SP08_INV001	Christian Dahlstrand	PROVIDING A SOLUTION IN THE TRANSITION FROM BLACK TO GREEN FEEDSTOCK IN FUELS AND MATERIALS
13:30-14:00	SP08_INV002	Willem Böttger	DEVELOPMENT OF FACADE ELEMENTS ON BASE OF WASTE MATERIALS OF (WASTE) WATER COMPANIES
14:00-14:20	SP08_006_OF	Yutthanakon Kanaphan	A SIMPLE PRODUCTION METHOD FOR A HIGH PERFORMANCE SiO ₂ /C NANOCOMPOSITE ANODE MATERIAL DERIVED FROM RICE HUSKS FOR LITHIUM ION BATTERIES
14:20-14:40	SP08_009_OA	Varanya Somaudon	PREPARATION OF Bi ₄ MoO ₉ CATALYST BY PRECIPITATION METHOD FOR PHOTODEGRADATION OF ANIONIC AZO DYES
14:40-15:00	SP08_010_OF	Purumet Pipitworrakul	EFFECTS ON IONIC CONDUCTIVITY OF CO-DOPED LITHIUM LANTHANUM TITANATE SOLID ELECTROLYTES BY Sr ²⁺ AND Al ³⁺ FOR ALL-SOLID-STATE LITHIUM ION BATTERIES
15:00-15:20	SP08_012_OF	Worranun Wongchompoo	HYDROPHOBIC CELLULOSE FROM CORN HUSK
15:20-15:40	SP08_014_OA	Tammanoon Chankhanittha	SOLVOTHERMAL SYNTHESIS OF ZnO/Bi ₂ MoO ₆ CATALYST FOR PHOTODEGRADATION OF FLUOROQUINOLONE ANTIBIOTIC AND CATIONIC DYE

Symposium:	SP04-Development of Material Science Based on Coordination Compounds		
Room:	9th Floor, 902		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Takumi Konno		
Co-chair:	Dr. Mati Horprathum		
Co-ordinator:	Asst. Prof. Dr. Jariya Romsaiyod		
Student:	Mr. Charernmee Chamchoy		
Time	ID	Speaker	Title
13:30-14:00	SP04_INV001	Kuang-Lieh Lu	OPTICAL AND ELECTRONIC APPLICATIONS OF METAL-ORGANIC FRAMEWORKS
14:00-14:30	SP04_INV002	Fuk Yee Kwong	PALLADIUM-CATALYZED SITE-SELECTIVE MULTICOMPONENT PROCESSES FOR FACILE ASSEMBLY OF SUBSTITUTION-MANIPULATED POLYCYCLIC ARENES
14:30-15:00	SP04_INV003	Pichaya Pattanasattayavong	SEMICONDUCTORS FROM COORDINATION POLYMERS AND THEIR APPLICATIONS IN ELECTRONIC DEVICES
15:00-15:20	SP04_004_OA	Arnon Kraipok	THE PROPERTIES OF FLUORCANASITE-LITHIUM DISILICATE DENTAL GLASS-CERAMICS WITH DIFFERENT HEAT TREATMENT TEMPERATURES
Break			
15:30-15:50	SP04_005_OA	Manlika Kamnoy	EFFECT OF CaO ON THE HEAT TREATMENT TEMPERATURE, MICROSTRUCTURE AND MECHANICAL PROPERTIES OF LITHIUM DISILICATE-BASED GLASS-CERAMICS FOR DENTAL APPLICATION
15:50-16:10	SP04_010_OA	Chutikan Nakornkhet	RING-OPENING POLYMERIZATION OF MACROLACTONES BY WELL-DEFINED ALUMINUM COMPLEXES
16:10-16:30	SP04_011_OA	Kanokon Upitak	CONTROLLED RING-OPENING POLYMERIZATION OF CYCLIC ESTER MONOMERS BY TITANIUM(IV) COMPLEXES
16:30-16:50	SP04_013_OF	Parinya Thongyindee	SYNTHESIS OF NaA ZEOLITE USING WASTEWATER TREATMENT CHEMICAL SLUDGE FROM GLASS FACTORY AND ALUMINIUM WASTE AS Si AND Al SOURCE
16:50-17:10	SP04_014_OA	Preeyanuch Sangtrirutnugul	SELF-ASSEMBLED COPPER-TRIAZOLE CLUSTERS: SYNTHESIS AND CATALYTIC APPLICATIONS

Symposium:	SP13-Natural Products for Drug Discovery		
Room:	12th Floor, 1201		
Building:	Sisattha Building		
Chair person:	Prof. Dr. Vatcharin Rukachaisirikul		
Co-ordinator:	Assoc. Prof. Dr. Boon-ek Yingyongnarongkul		
Student:	Mr. Anirut Klomjit		
Time	ID	Speaker	Title
13:00-13:30	SP13_INV001	Apichart Suksamrarn	BIOREDUCTIVE PRODRUG DESIGN OF NATURAL PRODUCTS FOR BREAST CANCER THERAPEUTIC AGENTS
13:30-13:50	SP13_007_OA	Suriphon Singha	POLY-O-ACYLATED β -DIHYDROAGAROFURAN SESQUITERPENOIDS FROM <i>Siphonodon celastrineus</i> FRUITS
13:50-14:10	SP13_032_OA	Patcharee Arsakhant	DESIGN AND SYNTHESIS OF NEW 12-DITHIOCARBAMATE-14-DEOXY-ANDROGRAPHOLIDES AS ANTICANCER AGENTS
14:10-14:30	SP13_036_OA	Jakkapong Inchai	THE ASSESSMENT OF <i>Ocimum sanctum L.</i> AQUEOUS EXTRACT FOR AMELIORATING LIPID CONTENTS IN NON-ALCOHOLIC FATTY LIVER DISEASE
14:30-14:50	SP13_002_OF	Natchapon Kammasit	EFFECT OF <i>Anoectochilus burmannicus</i> AQUEOUS EXTRACT ON OBESOGENS-INDUCED ADIPOCYTE TRANSFORMATION
14:50-15:20	SP13_INV002	Xiaoguang Lei	TRANSLATIONAL NATURAL PRODUCT RESEARCH
Break			
15:30-16:00	SP13_INV003	Marc Stadler	NEW EVIDENCE ON THE FUNCTIONAL BIODIVERSITY AND SECONDARY METABOLITE PRODUCTION OF THE XYLARIALES (ASCOMYCOTA) BASED ON EXTENSIVE METABOLOMIC STUDIES AND THE EVALUATION OF HIGH QUALITY GENOME SEQUENCES
16:00-16:20	SP13_012_OA	Juthatip Jeenkeawpieam	ANTIFUNGAL ACTIVITY AND MOLECULAR MECHANISMS OF PARTIALLY PURIFIED ANTIFUNGAL PROTEINS FROM <i>Rhinacanthus nasutus</i> AGAINST <i>Talaromyces marneffeii</i>
16:20-16:40	SP13_005_OF	Ratchanon Inpan	NANO-PHYTOSOME ENTRAPPING <i>Gymnema inodorum</i> EXTRACT FOR ENHANCING ANTI-INFLAMMATION IN MACROPHAGE

Session:	Poster Presentation		
Room:	2nd Floor		
Building:	Sisattha Building		
Time	ID	Speaker	Title
16:30-18.00		-	Poster Presentation (Session: A-E)
16:30-18.00		-	Poster Presentation (YRSS)

Session:	STT46 Congress Banquet		
Room:	2nd Floor		
Building:	King Ramkhamhaeng the Great Auditorium		
Time	ID	Speaker	Title
18:00-20:00		-	Banquet

OCTOBER 7th, 2020

Session:	YRSS		
Room:	10th Floor, 1002, 1003, 1006, 1007 (YRSS Oral Presentation) / 12th Floor, 1201		
Building:	Sisattha Building		
Student:	Ms. Phimpha Nirongbut		
Student:	Ms. Supattara Phokaeo		
Student:	Ms. Suthattra Siri-ngamram		
Student:	Ms. Phimpisa Phraphuchamnong		
Student:	Ms. Udomrak Meethong		
Student:	Ms. Muthita Molsil		
Student:	Ms. Ketkaeo poonraksa		
Student:	Ms. Bua Orachorn		
Time	ID	Speaker	Title
8:30-9:30		-	YRSS Oral Presentation (10th Floor)
Break			
12:00-12:30		-	YRSS Awarding Session (12th Floor)

Session:	TYSA		
Room:	12th Floor, 1201		
Building:	Sisattha Building		
Time	ID	Speaker	Title
10:00-12:00		-	TYSA Workshop "THE FUTURE IS NOW: SCIENCE FOR SDGS"

Session:	A-Challenges in the Frontiers of Physics		
Room:	3rd Floor, 301		
Building:	Sisattha Building		
Chair person:	Dr. Suparek Aukkaravittayapun		
Co-ordinator:	Dr. Manit Klawtanong		
Student:	Mr. Mongkol Phaengpdech		
Time	ID	Speaker	Title
10:00-10:30	A_INV001	Masaru Hori	PLASMA MEDICINE TOWARD A FUTURE MEDICAL CARE
10:30-11:00	A_INV002	Guosheng Xu	NUCLEAR FUSION RESEARCH IN CHINA FOR INEXHAUSTIBLE ENERGY
11:00-11:20	A_006_OA	Wananurat Srijampan	EFFECT OF SILICON CARBIDE CONTENT ON SINTERED STEEL MICROSTRUCTURE
11:20-11:40	A_007_OA	Kittikhun Ruangchai	EFFECTS OF Mo AND W ON MICROSTRUCTURE AND HARDNESS IN ANNEALED 28wt.%Cr CAST IRONS
11:40-12:00	A_012_OA	Prasong Kessaratikoon	NATURAL RADIOACTIVITY MEASUREMENT AND EXCESS LIFETIME CANCER RISK EVALUATION IN SURFACE SOIL AND BEACH SAND SAMPLES COLLECTED FROM RAYONG PROVINCE, THAILAND
12:00-12:20	A_008_OA	Nattaphong Nuchsirikulaphong	STUDENT LEARNING TOWARDS DIFFERENT LESSON SEQUENCES IN FORCE AND MOTION

Symposium:	SP01-Biodiversity of Marine Benthic Fauna		
Room:	8th Floor, 802		
Building:	Sisattha Building		
Chair person:	Prof. Supawadee Chullasorn		
Co-ordinator:	Asst Prof. Dr. Warakorn Cheewasopit		
Student:	Mr. Pakarapon Poonsukkho		
Time	ID	Speaker	Title
9:40-10:10	SP01_INV001	Jong Seong Khim	BIODIVERSITY OF MARINE MACROBENTHOS IN KOREA
10:10-10:40	SP01_INV002	Sung Joon Song	BIODIVERSITY OF MARINE MEIOBENTHOS IN KOREA
10:40-11:10	SP01_INV003	Wirulda Pootakham	GENETIC DIVERSITY OF CORALS AND THEIR ASSOCIATED SYMBIONTS
11:10-11:30	SP01_005_OF	Mathinee Yucharoen	DOES COASTAL EROSION INFLUENCE DOMINANT MACROBENTHIC INVERTEBRATES ON SONGKHLA SANDY BEACHES?
11:30-11:50	SP01_006_OA	Suraphol Chunhabundit	STUDY ON THE SURVIVAL RATE OF ASIAN CLAMWORM <i>Perinereis aibuhitensis</i> Grube, 1878 REARING IN THE DIFFERENCES DENSITY OF THE SPF CULTURED SYSTEM
11:50-12:10	SP01_008_OA	Anocha Poommouang	DECREASING THE GENETIC DIVERSITY OF DUGONG (<i>Dugong dugon</i>) IN THE SEA OF THAILAND

Symposium:	SP02-Climate change in a changing world		
Room:	8th Floor, 803		
Building:	Sisattha Building		
Chair person:	Assoc. Prof. Dr. Suchana Chavanich		
Co-ordinator:	Dr. Chaiwat Boonpeng		
Student:	Mr. Arirush Wongnutpranont		
Time	ID	Speaker	Title
9:40-10:10	SP02_INV001	Wenxi Zhu	UN DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT (2021-2030)- A DECADE FOR ACCELERATING SOLUTIONS TO CLIMATE CHANGE?
10:10-10:40	SP02_INV002	Kim Holmen	CLIMATE CHANGE IN POLAR REGIONS
10:40-11:10	SP02_INV003	Witiya Pittungnapoo	CLIMATE CHANGE ADAPTATION IN CULTURAL HERITAGE
11:10-11:30	SP02_001_OF	Wachira Suwannarut	EFFECT OF HIGH TEMPERATURE STRESS ON PHOTOSYNTHETIC CAPACITY AND OXIDATIVE DAMAGE IN POTTED YOUNG LONGAN TREE (<i>Dimocarpus longan</i> LOUR. 'PHUANG THONG')

Symposium:	SP06-Flattening the Curve - Renewable Energy in Times of Climate Change		
Room:	8th Floor, 806		
Building:	Sisattha Building		
Chair person:	Asst. Prof. Dr. Helmut Duerrast		
Co-ordinator:	Dr. Wipada Ngansom		
Student:	Ms. Ploypailin Rangseethampanya		
Time	ID	Speaker	Title
9:40-10:10	SP06_INV001	Kampanart Silva	ENERGY RESILIENCE: ENHANCING CLIMATE ADAPTATION CAPABILITY OF RENEWABLE ENERGY SYSTEMS
10:10-10:40	SP06_INV002	Pimpa Limthongkul	ENERGY STORAGE AND ITS POTENTIAL IMPACT ON CLIMATE CHANGE MITIGATION
10:40-11:00	SP06_001_OA	Wipada Ngansom	GEOHERMAL RESOURCES IN SOUTHERN THAILAND – A POSSIBLE CHOICE FOR RENEWABLE ENERGY
11:00-11:20	SP06_002_OA	Waraporn Rattanongphisat	PASSIVE HEAT MITIGATION POSSIBILITY USING METEOROLOGICAL DATA ANALYSIS FOR BUILDING APPLICATION IN THE TROPICS
11:20-11:40	SP06_003_OA	Helmut Duerrast	ACHIEVING 100% RENEWABLE ELECTRICAL ENERGY FOR SOUTHERN THAILAND
11:40-12:00	SP06_004_OF	Fongkul Palichareonpol	OILGAE CULTIVATION IN MUNICIPAL WASTEWATER AND MODIFIED EXTRACTION METHOD

Symposium:	SP07-From Thailand to Antarctica: the 2020 Thai-Australian Expedition for Space Science		
Room:	8th Floor, 807		
Building:	Sisattha Building		
Chair person:	Dr. Alejandro Sáiz		
Co-ordinator:	Dr. Dumrongsak Rodphothong		
Student:	Ms. Wiphawan Aunkhongthong		
Time	ID	Speaker	Title
9:40-10:10	SP07_INV001	David Ruffolo	OVERVIEW OF THAI RESEARCH ON COSMIC RAYS
10:10-10:40	SP07_INV002	Waraporn Nuntiyakul	RESPONSE FUNCTIONS OF NEUTRON DETECTORS TO COSMIC RAYS AS MEASURED DURING OCEAN VOYAGES TO ANTARCTICA FROM THE PAST TO THE PRESENT
10:40-11:10	SP07_INV003	Alejandro Sáiz	FROM THAILAND TO ANTARCTICA: THE 2020 THAI-AUSTRALIAN EXPEDITION FOR SPACE SCIENCE
11:10-11:30	SP07_001_OA	Dumrongsak Rodphothong	FLUKA SIMULATIONS FOR EVALUATION OF SPACECRAFT SHIELDING MATERIALS AGAINST SOLAR PARTICLE EVENTS
11:30-11:50	SP07_002_OF	Hannarong Jantaloet	SEARCHING FOR CLUSTERS OF HIGH-ENERGY γ -RAY PHOTONS USING <i>FERMI</i> LAT OBSERVATIONS
11:50-12:10	SP07_003_OA	Pradiphat Muangha	NEW GROUND-BASED COSMIC RAY DETECTORS AND UPGRADE OF THE NEUTRON MONITOR AT MAWSON STATION, ANTARCTICA

Symposium:	SP11-Lichens: Diversity, Ecology and Biomonitoring		
Room:	5th Floor, 501		
Building:	Sisattha Building		
Chair person:	Assoc. Prof. Dr. Achariya Rangsiruji		
Co-ordinator:	Asst. Prof. Dr. Ek Sangvichien		
Student:	Mr. Pitakchai Fuangkeaw		
Time	ID	Speaker	Title
9:40-10:10	SP11_INV001	Ekaphan Kraichak	HOST CHARACTERS INFLUENCING RICHNESS AND ABUNDANCE OF EPIPHYTIC LICHENS
10:10-10:30	SP11_007_OA	Pitakchai Fuangkeaw	ANNUAL LITTERFALL BIOMASS OF EPIPHYTIC MACROLICHENS IN PRIMARY AND SECONDARY FORESTS AT KHAO YAI NATIONAL PARK
10:30-10:50	SP11_008_OA	Vasun Poengsungnoen	SPECIES DIVERSITY OF LICHEN FAMILY GRAPHIDACEA IN MANGROVE FORESTS: EASTERN AND UPPER SOUTHERN PARTS OF THAILAND

Symposium:	SP15-Science-based Sustainable Tourism		
Room:	9th Floor, 902		
Building:	Sisattha Building		
Chair person:	Dr. Thamasak Yeemin		
Co-ordinator:	Dr. Makamas Sutthacheep		
Student:	Mr. Charernmee Chamchoy		
Time	ID	Speaker	Title
9:40-10:10	SP15_INV001	Zulfigar Yasin	SCIENCE-BASED SUSTAINABLE TOURISM IN THE TROPICAL MARINE AND COASTAL AREAS
10:10-10:40	SP15_INV002	Si Tuan Vo	RESTORATION AND CONSERVATION OF REEF BENTHIC SPECIES VULNERABLE TO AQUARIUM TRADE FOR SUSTAINABLE TOURISM IN TROPICAL WATERS
10:40-11:10	SP15_INV003	Worajit Setthapun	SMART COMMUNITY CONCEPT FOR RESOURCE AND WASTE MANAGEMENT OF ECO-VILLAGE
11:10-11:40	SP15_INV004	Tadashi Kimura	REPORTS ON THE STATUS OF CORAL REEFS IN EAST ASIAN SEAS REGION: IMPORTANT BASELINE DATA FOR SUSTAINABLE TOURISM MANAGEMENT
11:40-12:00	SP15_001_OA	Felipe M G Mattos	ASSESSMENT OF REEF FISH DIVERSTY IN A TURBID WATER ECOSYSTEM OF MU KO ANG THONG
12:00-12:20	SP15_007_OA	Anirut Klomjit	MACROALGAE DIVERSITY AND COMPOSITION IN CORAL REEF AT SAMUI ISLANDS, THE WESTERN GULF OF THAILAND
12:20-12:40	SP15_016_OA	Thamasak Yeemin	DEVELOPMENT OF MARINE ECOTOURISM SITES ON UNDERWATER PINNACLES IN THE EASTERN AND WESTERN GULF OF THAILAND

POSTER SESSIONS

INFORMATION FOR POSTER PRESENTATION

Time for poster attachment & removal

The location for poster attachment will be specified according to Abstract ID at the congress venue. The abstract ID can be found in this program book. Time for poster attachment and removal are as follows:

Session	Date	Time
Poster Attachment	October 5 th , 2020	07:00-08:00
	October 6 th , 2020	07:00-08:00
Poster Removal	October 6 th , 2020	18:00-19:00

SESSION A: Challenges in the Frontiers of Physics

ID	Presenter	Title
A_001_PF	Panapon Savirot	A STUDY OF EFFECTS ON IMAGE QUALITY FROM DIFFERENT SETTINGS OF RADIOGRAPHIC IMAGING SYSTEM USING FLUORESCENCE SCREEN AND DIGITAL CAMERA
A_002_PF	Phatthrawat Janratsamechot	DEVELOPMENT OF SPECTROPHOTOMETRIC TECHNIQUE FOR EFFICIENT COMPONENT ANALYSIS
A_003_PA	Manit Klawtanong	CONTROLLING TRAFFIC JAMS IN A MODIFIED CAR-FOLLOWING MODEL WITH AUTONOMOUS VEHICLES
A_004_PF	Thanakit Klomkiew	INSPECTION AND EVALUATION OF AIR-FILLED VOID INSIDE REINFORCED CONCRETE STRUCTURE BY NON-DESTRUCTIVE TESTING METHODS
A_005_PA	Adisorn Buranawong	THERMAL OXIDATION OF NANOSTRUCTURE TIN THIN FILM DEPOSITED BY REACTIVE DC MAGNETRON SPUTERING TECHNIQUE
A_009_PF	Rakdiaw Muangma	RECTIFICATION OF G-BHN CORRELATION OF FIBROUS COMPOSITES USING POLYNOMIAL REGRESSION WITH AMSE-5-FOLD-CV ANALYSIS
A_010_PF	Suwimon Udphuay	ELECTRICAL RESISTIVITY AND GROUND-PENETRATING RADAR SURVEYS, WIANG THA KAN ARCHAEOLOGICAL SITE, CHIANG MAI PROVINCE, NORTHERN THAILAND
A_011_PA	Kachain Dangudom	THE STUDY OF PHASE TRANSITION TEMPERATURE OF LIQUID MIXTURES BY LIGHT SCATTERING TECHNIQUE
A_013_PA	Thanongsak Nochaiya	THE EFFECT OF SUGARCANE BAGASSE ASH ON ELECTRICAL CAPACITY AND TIME LAG OF PORTLAND CEMENT MORTARS
A_014_PA	Aek Jantayod	CRYSTALLOGRAPHIC ORIENTATION EFFECT ON THE TUNNELING SPECTROSCOPY ACROSS A HALF-METAL/SEMICONDUCTOR WITH DRESSELHAUS SPIN-ORBIT COUPLING JUNCTION
A_015_PF	Thapana Nakprapatsorn	EFFECTS OF UPSTREAM ION SPEED ON THE ION ACCELERATION PROCESS NEAR X-LINE OF COLLISIONLESS MAGNETIC RECONNECTION: A TEST-CHARGE STUDY

SESSION B: Math Stat Comp in the Digitally Innovative Era

ID	Presenter	Title
B_005_PF	Autcha Araveeporn	MODELING OF RANDOM COEFFICIENT AUTOREGRESSIVE MODEL ON TIME SERIES DATA
B_013_PF	Somsri Banditvilai	FORECASTING MODELS OF FOREIGN EXCHANGE RATES U.S. DOLLAR, EURO, YEN AND YUAN AGAINST THE THAI BAHT
B_023_PA	Penpark Sirimark	ON SOME $(C, 1)(E, 1)$ IDEAL CONVERGENT SEQUENCE SPACES

SESSION C: Impact of Biological Science towards SDGs

ID	Presenter	Title
C_001_PA	Prasan Swatsitang	EFFECTS OF SOLVENTS AND PEANUT SKIN ON ANTIOXIDANT CAPACITY AND PHENOLIC CONTENT OF VIRGIN COCONUT OIL
C_003_PA	Kewalee Jantapo	PROPICONAZOLE APPLICATION ATTENUATES PLANT RESPONSES TO NITROGEN AND PHOSPHORUS DEFICIENCY IN RICE
C_004_PF	Chananwat Kortheerakul	EXPRESSION ANALYSIS OF GENES ENCODING GLUTATHIONE S-TRANSFERASE UNDER STRESS CONDITIONS IN THE EXTREMOPHILE <i>Halotheca</i> sp. PCC7418
C_005_PA	Thanasin Chalermchat	RE-DESIGNING OF LOW-COST GEL ELECTROPHORESIS AS HIGH SCHOOL INSTRUCTIONAL MEDIA
C_006_PF	Jaruwan Worawittayatada	MOLECULAR CLONING AND EXPRESSION OF INFECTIOUS HYPODERMAL AND HEMATOPOIETIC NECROSIS VIRUS (IHHNV) CAPSID GENE LINKED WITH DOUBLE STRANDED-RNA OF YELLOW HEAD VIRUS
C_007_PA	Tanutcha Patipong	FUNCTIONAL ANALYSIS OF HTRA PROTEASE IN THE HALOTOLERANT CYANOBACTERIUM <i>Halotheca</i> sp. PCC7418
C_008_PA	Thiri Wai Linn	PRELIMINARY STUDY ON ANTI-HYPERGLYCEMIC EFFECT OF CROCODILE OIL IN SPONTANEOUSLY DIABETIC TORII RATS
C_009_PA	Chutarat Punchkhon	IDENTIFICATION AND VALIDATION OF <i>MRL1</i> IN ABIOTIC STRESS IN RICE AND ARABIDOPSIS MODEL
C_010_PF	Pawarit Innachai	EFFECTS OF HISTONE DEACETYLASE INHIBITOR ON FETAL HEMOGLOBIN INDUCTION AND ERYTHROPOIESIS IN β -THALASSEMIA
C_011_PF	Surapong Khuna	SOLUBILIZATION OF INSOLUBLE MINERALS BY SOIL FUNGI COLLECTED FROM NORTHERN THAILAND
C_012_PA	Thammaporn Kojonna	GENOME WIDE ASSOCIATION STUDY FOR GROWTH PARAMETER UNDER DROUGHT STRESS AT SEEDLING STAGE IN LOCAL THAI RICE VARIETIES
C_013_PF	Kritsana Jatuwong	SELECTION OF FILAMENTOUS FUNGI AND LIGNOCCELLULOSIC RESIDUES FOR PHYTASE PRODUCTION UNDER SOLID-STATE FERMENTATION
C_014_PF	Ingon Inson	INHIBITORY EFFECTS OF ADENOSINE AND ITS COMBINATORIAL EFFECTS WITH CISPLATIN ON CHOLANGIOCARCINOMA
C_016_PA	Patchanee Charoenying	SYNTHESIS OF DIHYDRAZONE STEROID DERIVATIVES DERIVED FROM PREGNENOLONE AND THEIR <i>IN VITRO</i> CYTOTOXIC ACTIVITY
C_017_PA	Maneeploy Nualkul	ISOLATION OF ENZYME PRODUCING BACTERIA FROM TERMITE GUTS AND APPLICATION FOR IMPROVING NUTRITIONAL VALUE OF SOYBEAN MEAL
C_018_PF	Ratichon Tiandee	IMPROVEMENT OF NORFLOXACIN DETECTION LIMIT OF LATERAL FLOW IMMUNOASSAYS USING GOLD NANOFLOWERS

ID	Presenter	Title
C_019_PA	Anumart Buakeaw	ANTIPROLIFERATIVE PROPERTY AGAINST CANCER CELL LINE AND CELLULAR ANTIOXIDANT ACTIVITY OF <i>Acacia pennata</i> LEAVES EXTRACT
C_020_PA	Songchan Puthong	QUANTIFICATION OF COW CASEIN IN MILK BY AN ENZYME - LINKED IMMUNOSORBENT ASSAY
C_021_PA	Umaporn Pimpitak	DEVELOPMENT OF A PROTOTYPE TEST STRIP FOR THE DETECTION OF NORFLOXACIN RESIDUE IN CHICKEN MUSCLE
C_022_PF	Worawut Chaiyasaeng	NON-TARGETED METABOLIC PROFILING REVEALED THE BIOMARKERS BETWEEN THREE <i>Aspergillus</i> SPECIES BY UHPLC-MS COUPLED WITH PRINCIPAL COMPONENT ANALYSIS
C_024_PA	Sajee Noitang	UTILIZATION OF <i>Ocimum</i> STRAW TRUNK AS RENEWABLE ENERGY VIA ZERO WASTE MANAGEMENT APPROACH
C_025_PA	Darika Buathong	COMPOSITION AND ABUNDANCE OF ZOOPLANKTON IN THE VICINITY OF PORTS INDUSTRIAL IN THE UPPER AND EASTERN GULF OF THAILAND
C_026_PA	Orathep Muresare	DIVERSITY AND DENSITY OF PHYTOPLANKTON IN THE PORTS OF CHONBURI AND RAYONG PROVINCE
C_027_PA	Nichakorn Phengpol	HIGH FAT DIET INDUCED MATERNAL OBESITY EFFECT TO DYSREGULATION OF AUTOPHAGY PROCESS IN KIDNEY OF MALE OFFSPRING
C_028_PA	Phonphan Watthanarat	ISOLATION OF PROTEOLYTIC <i>Bacillus</i> sp. FROM THE GUT OF TERMITE, <i>Microcerotermes</i> sp. AND SOLID-STATE FERMENTATION OF SOYBEAN MEAL USING NEWLY ISOLATED BACTERIA
C_029_PA	Saranyu Thaworn	GENOME-WIDE ASSOCIATION STUDY OF ANTIOXIDANT COMPOUNDS AND ACTIVITY IN 159 THAI RICE CULTIVARS
C_030_PA	Klinphaka Phuthaworn	DIVERSITY OF MARINE FUNGI LIVING IN DISEASED CORAL REEFS FROM THE GULF OF THAILAND AND THE ANDAMAN SEA
C_031_PF	Chuttiya Tiva	DNA FINGERPRINT ANALYSIS USING AFLP TECHNIQUE OF <i>Adenia viridiflora</i> Craib
C_034_PA	Papon Ganjanasiripong	DIVERSITY OF BACTERIA IN KLONG THOOP MANGROVE FOREST, CHUK SAMET, SATTAHIP, CHONBURI
C_035_PF	Siriporn Riebroy Kim	FERMENTATION AND ANTIOXIDANT PROPERTIES OF LONGAN HONEY INOCULATED WITH <i>Saccharomyces cerevisiae</i> var. <i>burgundy</i>
C_037_PF	Iyacoob Khunsri	IDENTIFICATION OF GENES INVOLVED IN ANTIMICROBIAL PEPTIDE rALFPm3 RESISTANCE IN <i>Vibrio parahaemolyticus</i> AHPND VIA GENOME SEQUENCING
C_038_PF	Pattranit Srisuwanuntanakul	INVESTIGATION OF LONG PRIMER TARGET-ENRICHMENT COMBINING WITH STR TYPING FOR DEGRADED DNA ANALYSIS
C_041_PA	Phiradet Chuabsak	PHYLOGENETIC RELATIONSHIPS OF MICROHYLID FROGS IN RAMKHAMHAENG UNIVERSITY CAMPUSES INFERRED FROM COI GENE
C_042_PA	Natsaran Saichana	ADAPTATION OF THERMOTOLERANT <i>Acetobacter</i> sp. FOR VINEGAR PRODUCTION
C_043_PA	Nidsaraporn Petsut	ASSESSMENT ON SEASONAL VARIATION OF FISH IN THE MANGROVE AREA, EASTERN THAILAND

SESSION D: Responsible Chemical Sciences for Future Sustainability

ID	Presenter	Title
D_001_PF	Sirirat Khemasiri	DEVELOPMENT OF A DNA-BASED BIOSENSOR FOR miRNA DETECTION
D_002_PA	Klatnatee Vepulanont	GREEN CORROSION INHIBITOR: <i>Parkia speciosa</i> HASSK. EMPTY POD EXTRACTION BY MICROWAVE-ASSISTED EXTRACTION METHOD
D_003_PF	Korakot Navakhun	ANION RECOGNITIONS OF TRICHLOROPHENYL AMIDE-BASED ANION RECEPTORS
D_006_PA	Chawin Srisomwat	ELECTROCHEMICAL PAPER-BASED DNA DEVICE WITH POP-UP ARCHITECTURE FOR HEPATITIS B VIRUS INFECTION DIAGNOSTIC
D_008_PF	Patticha Weerakul	A STUDY OF EXTRUSION AND SPHERONIZATION BEHAVIOUR OF MONTMORILLONITE
D_009_PA	Amnuay Noypha	ANTIBACTERIAL ACTIVITY OF VINEGAR-GRAPHENE QUANTUM DOTS AGAINST <i>Bacillus Cereus</i> AND <i>Escherichia coli</i>
D_010_PA	Paweena Porrawatkul	MICROWAVE ASSISTED SYNTHESIS OF Ag-ZnO NANOPARTICLES USING EXTRACT OF <i>Caulerpa sertularioides</i> AS A NOVEL REDUCING AGENT
D_012_PA	Sudkate Chaiyo	ELECTROCHEMICAL PAPER-BASED SENSORS FOR THE HIGHLY SENSITIVE DETERMINATION OF OXYTETRACYCLINE
D_013_PA	Sirirat Phaisansuthichol	SIMULTANEOUS DETECTION OF LUTEIN AND ZEAXANTHIN IN VEGETABLES BY HPLC
D_015_PF	Weerapat Vichitsangsri	Ag ₂ O@TiO ₂ MATERIALS FOR DESULFURIZATION IN MODEL OIL
D_017_PF	Chutima Tangku	PALLADIUM NANOPARTICLES IMMOBILIZED ON TITANOSILICALITE-1 FOR CYCLOADDITION REACTIONS OF CO ₂ AND EPOXIDES
D_018_PF	Kanyarat Kwansirikul	GEMOLOGICAL CHARACTERISTICS AND CHEMICAL COMPOSITIONS OF KYANITE CLAIMED TO BE FROM NEPAL
D_019_PA	Kanokwan Sakunrungrit	INVESTIGATION OF USING ELECTROCHEMICAL TECHNIQUE AND SPECTROPHOTOMETRIC TECHNIQUE FOR DETERMINATION OF RETINOIC ACID IN PHARMACEUTICAL PRODUCTS
D_020_PA	Patcharin Kosuwan Jundee	GEOCHEMISTRY OF EXTRUSIVE ROCKS AT KHUN DAN PRAKAN CHON DAM RIDGE, NAKHON NAYOK PROVINCE, THAILAND
D_021_PA	Voranuch Somsongkul	ENHANCED VISIBLE LIGHT RESPONSE OF TiO ₂ NANOPARTICLES BY NATURAL DYES
D_022_PF	Wutthikrai Kulsawat	VERTICAL DISTRIBUTION AND RADIOLOGICAL RISKS OF THORIUM-232 IN BURN AND NO-BURN PADDY SOIL
D_024_PA	Saowaluk Madkoksung	FLUORESCENCE SPECTROSCOPY FOR SIMPLE CLASSIFICATION OF SOME COFFEE LEAVES VARIETIESE

ID	Presenter	Title
D_025_PA	Siripen Modmuang	DETERMINING THE ANTIOXIDANT PROPERTIES, TOTAL PHENOLIC AND TOTAL FLAVONOID CONTENTS OF TRADITIONAL Thai MEDICINAL HERBS, <i>Anaxagorea luzonensis</i> A.Gray. AND <i>Salacia verrucosa</i> Wight.
D_026_PA	Kunlanit Phengphat	SYNTHESIS, CHARACTERIZATIONS AND ITS ENVIRONMENTAL APPLICATION TO REMOVAL OF CATIONIC DYES OF ZEOLITE A
D_027_PA	Sirintip Sangsawang	COMPUTER AIDED MOLECULAR DESIGN OF JAK2 INHIBITORS AS ERYTHROPOIESIS STIMULANT AGENTS FOR THALASSEMIA THERAPY
D_028_PA	Somjintana Taweepanich	SCREENING OF ANTIOXIDANT ACTIVITIES, TOTAL PHENOLIC AND TOTAL FLAVONOID CONTENTS OF <i>Caesalpinia sappan</i> L. AND <i>Bauhinia sirindhorniae</i> K. Larsen & Larsen FOR THALASSEMIA THERAPY

SESSION E: Innovations for Sustainable Future

ID	Presenter	Title
E_003_PF	Rattikorn Leemahanil	DEVELOPMENT AND EVALUATION OF AN IN-HOUSE COMPETITIVE ELISA FOR DETECTION OF DEHYDROEPIANDROSTERONE SULFATE
E_004_PF	Nattaphorn Natteerapong	DEMONSTRATION OF IN-HOUSE BEAD-BASED IMMUNOASSAY FOR HUMAN SERUM ALBUMIN DETECTION BASED ON MICROFLUIDICS FLOW CYTOMETRY
E_005_PA / E_027_PA / E_030_PA	Punyaphat Surakiatkamjorn / Sirawich Thanawan / Thanat Wongsamut	EXPERIMENTAL DEVICE FOR STUDYING THE MOTION OF MAGNET FALLING THROUGH CONDUCTING PIPES USING ARDUINO AND REAL-TIME DISPLAY
E_006_PA	Chanita Mano	INTEGRATION OF PHASE CHANGE MATERIAL INTO ROOF FOR HEAT ACCUMULATION REDUCTION IN BUILDINGS
E_007_PA	Jantakan Peangkaew	TECHNICAL AND ECONOMIC INVESTIGATION OF ELECTRICAL ENERGY CONSUMPTION PRODUCED FROM SOLAR CELLS INSTALLED ON MOTORCYCLES
E_011_PA	Peeranat Laphom	EXPERIMENTAL STUDY OF MATERIAL TYPES AND INCIDENT ANGLES OF LIGHT SOURCE ON ILLUMINATION PERFORMANCE OF LIGHT PIPES IN BUILDINGS
E_012_PA	Kanyanut Noynun	DESIGN OF JACKET CONTAINING PHASE CHANGE MATERIAL TO REDUCE HEAT THROUGH HUMAN BODIES
E_013_PA	Jittipak Jitsumran	INVESTIGATION OF ILLUMINATION PERFORMANCE OF VERTICAL AND HORIZONTAL LIGHT PIPES FOR ENERGY SAVING IN BUILDINGS
E_014_PA	Pavee Pansritong	INVESTIGATION AND DESIGN OF ENERGY CHARGE SYSTEMS FROM SOLAR CELL ON MOTORCYCLE

ID	Presenter	Title
E_015_PA	Atthakorn Thongtha	IMPROVEMENT OF THERMAL PERFORMANCE OF LIGHTWEIGHT CONCRETE BUILDING MATERIAL INCORPORATING WASTE POWDER FROM AUTOMOTIVE REFINISHING INDUSTRY
E_018_PF	Chidchanok Meechaisue	ANTIBACTERIAL ACTIVITY AND STABILITY STUDIES OF ELECTROSPUN CELLULOSE ACETATE FIBER MATS CONTAINING INDIAN GOOSEBERRY CRUDE EXTRACT
E_019_PA	Kangsadan Boonprab	BIOGEL BEVERAGE PROCESSING FROM AGAL EXTRACTION
E_020_PF	Jiraphorn Mahawan	APPLICATION OF VERTICAL LIGHT TUBE INTEGRATING WITH ROOF FOR ENERGY CONSUMPTION REDUCTION IN BUILDINGS
E_033_PA	Nilobon Thongdorn-Ae	APPLICATION OF CRYOGENIC FREE COMPREHENSIVE HEART-CUT TWO DIMENSIONAL GAS CHROMATOGRAPHY-MASS SPECTROMETRY FOR ANALYSIS OF VOLATILE COMPOUNDS IN PETROCHEMICAL SAMPLE
E_036_PA	Warangkana Sompongse	GEL-FORMING ABILITY OF UNWASHED ROHU AFFECTED BY EGG WHITE
E_037_PF	Krittaya Khuenpet	IMPROVEMENT OF BREAD ENRICHED WITH LARVAL-STAGE MEALWORM (<i>Tenebrio molitor</i>) BY USING HYDROCOLLOIDS

SYMPOSIUM 01: Biodiversity of Marine Benthic Fauna

ID	Presenter	Title
SP01_001_PA	Orawan Piyaboon	ANTIMICROBIAL ACTIVITIES OF <i>Myrothecium indunatum</i> ISOLATED FROM LEAF BLIGHT DISEASED WATER LETTUCE
SP01_002_PA	Laongdow Junrak	COMPOSITION AND ABUNDANCE OF MACROFAUNA ON CORAL REEFS COMMUNITIES AT MU KO CHUMPHON, THE WESTERN GULF OF THAILAND
SP01_003_PA	Pronsiri Sriwisait	COMPARING THE MEIOFAUNA COMMUNITIES IN CORAL REEFS AT MU KO CHUMPHON, THE WESTERN GULF OF THAILAND
SP01_004_PA	Suphakarn Phoaduang	ABUNDANCE AND COMPOSITION OF MEIOFAUNA ON A SANDY BEACH AT MU KO ANGTHONG NATIONAL PARK, SURAT THANI PROVINCE
SP01_007_PA	Supawadee Chullasorn	DIVERSITY OF MARINE PHYTAL HARPACTICOID COPEPODS FROM THAILAND
SP01_009_PA	Sitthi Kulabtong	CHANGES IN MACROINVERTEBRATE POPULATIONS IN THE ESTUARY ECOSYSTEM: A CASE STUDY OF MAE KLONG ESTUARY AND THA CHIN ESTUARY, UPPER GULF OF THAILAND
SP01_010_PA	Weerawan Saowakul	DIVERSITY OF HARPACTICOID COPEPODS FROM PAKNAM PRASAE INTERTIDAL SANDY BEACH IN RAYONG, THAILAND
SP01_011_PA	Pawana Kangtia	STUDY ON LIFE CYCLE AND NAUPLIAR DEVELOPMENT OF <i>Amphiascopsis cintus</i> COLLECTED FROM <i>Caulerpa</i> sp. AT BANPHE, RAYONG PROVINCE, THAILAND

SYMPOSIUM 02: Climate Change in a Changing World

ID	Presenter	Title
SP02_002_PF	Yupa Thasod	DEPOSITIONAL PROCESSES AND CLIMATE CHANGE IN THE CENOZOIC HONGSA COALFIELD, LAO PDR
SP02_003_PF	Panutchanat Chinklang	SETTLEMENT AND LIPID CLASS COMPOSITIONS OF PLANULA LARVAE OF CORALS UNDER CHANGES OF TEMPERATURES
SP02_004_PA	Pongthep Suwanwaree	SPATIAL AND SEASONAL VARIATION OF SOIL RESPIRATION IN DRY EVERGREEN FOREST, SAKAERAT BIOSPHERE RESERVE, THAILAND

SYMPOSIUM 03: Crystallography

ID	Presenter	Title
SP03_001_PA	Kamonwan Janwatthana	CRYSTAL STRUCTURE OF COPPER (I) CHLORIDE COMPLEX CONTAINING 4-PHENYLTHIOSEMICARBAZIDE AND TRIPHENYLPHOSPHINE LIGANDS
SP03_004_PF	Apichet Boonsoong	FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR) CHARACTERISTICS OF CORUNDUM GEMS IN THE CHANTHABURI-TRAT GEM FIELDS, THAILAND

SYMPOSIUM 04: Development of Material Science Based on Coordination Compounds

ID	Presenter	Title
SP04_001_PF	Chanikan Wongkaew	THE DEVELOPMENT OF PHOTOSWITCHABLE AZOBENZENE DERIVATIVE FOR AMPA RECEPTOR IN RETINAL NEURONS
SP04_002_PF	Suthasinee Somboonsap	THE EFFECT OF SURFACE MORPHOLOGY ON THE MAGNETIC PROPERTIES OF RF-SPUTTERED CO-CU FILM
SP04_003_PA	Kanchanee Niyom	EFFECT OF SURFACE MORPHOLOGY ON TRANSMITTANCE OF AL-DOPED ZINC OXIDE FILMS ON FLEXIBLE SUBSTRATE PREPARED BY SPUTTERING
SP04_006_PA	Tatiya Chokbunpiam	COMPUTER SIMULATIONS OF THE SEPARATION OF CH ₄ /H ₂ S IN MATERIAL INSTITUT LAVOISIER- 127 (MIL-127)
SP04_007_PA	Kamonporn Saenkam	ELECTRICAL PROPERTIES OF LEAD-FREE BISMUTH SODIUM TITANATE-STRONTIUM BISMUTH TITANATE PIEZOELECTRIC CERAMICS
SP04_008_PA	Sermsiri Leeporikhon	ZEOLITIC IMIDAZOLATE FRAMEWORK ADSORBENTS FOR SEPARATION IMPURITIES FROM NATURAL GAS

ID	Presenter	Title
SP04_012_PA	Sirawan Kamavichanurat	SINGLE-SITE ALUMINIUM COMPLEXES IN CATALYSIS OF <i>rac</i> -LACTIDE POLYMERIZATION

SYMPOSIUM 08: Green and Sustainable Chemistry: Opportunities for Academia and Industry

ID	Presenter	Title
SP08_001_PF	Sasinun Detsangiamsak	METHOD DEVELOPMENT FOR DETERMINATION OF PHENOLIC ACIDS IN FRUIT USING MICELLAR ELECTROKINETIC CHROMATOGRAPHY AND SOLVENT EXTRACTION
SP08_002_PA	Komgrit Sawangkan	AMPHIPHILIC PULLULAN DERIVATIVES FOR STABILIZING GOLD NANOPARTICLES TRANSDERMAL DELIVERY CARRIERS
SP08_003_PA	Siriluck Pojjanapornpun	MELON SEEDS AS A POTENTIAL SOURCE FOR PREPARATION OF CONJUGATED LINOLEIC ACID
SP08_004_PA	Yuree Wandee	PECTIC OLIGOSACCHARIDE PRODUCTION FROM NaOH-EDTA EXTRACTED POMELO PEEL PECTIN BY ENZYMATIC HYDROLYSIS
SP08_005_PA	Naruthai Hongsa	POLYELECTROLYTE COMPLEX COATED-GOLD NANOPARTICLES AS DRUG CARRIERS FOR ANTICANCER AND INFLAMMATORY ACTIVITY
SP08_007_PF	Chanipron Vadeesirisak	PREPARATION OF LAKE PIGMENT FROM ORCHID USING ADSORPTION METHOD
SP08_008_PA	Satipat Suttayasorranakhom	UTILIZATION OF BRAZILEIN ON TEST STRIP FOR Fe ²⁺ DETECTION
SP08_011_PA	Jitnapa Sirirak	LAKE PIGMENT FROM DIN DANG CLAY AND SAPPANWOOD
SP08_013_PA	Weeraya Khummueng	RAPID ANALYSIS OF PALM OIL LOSS FROM SCREW PRESSED PALM FRUIT FIBER

SYMPOSIUM 09: Green Production Platform for Renewable Biomass Conversion

ID	Presenter	Title
SP09_001_PA	Jirabhorn Piluk	ISOLATION AND SCREENING OF THERMOTOLERANT YEAST FOR ETHANOL PRODUCTION FROM CELLULOSIC FEEDSTOCKS
SP09_002_PF	Hataikarn Lekakarn	IDENTIFICATION AND HETEROLOGOUS EXPRESSION OF ENDOGLUCANASE (GH5) FROM <i>Bacillus amyloliquefaciens</i> HL25
SP09_003_PF	Manassanum Utapow	PREBIOTIC PROPERTIES DETERMINATION OF RICE BRAN EXTRACTION FROM SOLID STATE FERMENTATION BY LACTIC ACID BACTERIA
SP09_004_PF	Supakorn Boonyuen	THE ASSESSMENT OF PHOTOCATALYTIC ACTIVITY OF CUPROUS AND ZINC OXIDE NANOPARTICLES FROM <i>Oroxylum indicum</i> BY ONE POT GREEN SYNTHESIS METHOD
SP09_006_PA	Panaya Kotchaplai	SUSCEPTIBILITY OF THE INDUSTRIALLY-RELEVANT BACTERIAL STRAINS TO 4-VINYLGUAIACOL
SP09_007_PF	Sanya Kudan	ETHANOL PRODUCTION IN MOLASSES MEDIUIM BY <i>Pichia kudriavzevii</i> STRAIN RU01

SYMPOSIUM 10: Hydrogen Energy

ID	Presenter	Title
SP10_002_PA	Janenipa Saupsor	NiFe-MgAl BIFUNCTIONAL MATERIAL DERIVED FROM HYDROTALCITE-LIKE PRECURSORS FOR HYDROGEN PRODUCTION FROM CHEMICAL LOOPING REFORMING OF ETHANOL
SP10_003_PA	Talita Nimmas	HYDROGEN PRODUCTION FROM SORPTION-ENHANCED AUTOTHERMAL REFORMING CHEMICAL LOOPING USING NiO-CuO MULTIFUNCTIONAL MATERIAL

SYMPOSIUM 11: Lichens: Diversity, Ecology and Biomonitoring

ID	Presenter	Title
SP11_001_PA	Chaiwat Boonpeng	MORPHOLOGICAL RESPONSE OF LICHEN TRANSPLANTS AS A BIOINDICATOR OF AIR POLLUTION

ID	Presenter	Title
SP11_002_PF	Achariya Rangsiruji	MOLECULAR SYSTEMATICS OF MANGLICOLOUS LICHENS IN THE GENUS <i>Pyrenula</i> ON THE WESTERN GULF OF THAILAND
SP11_003_PF	Phimpisa Phraphuchamnong	BIODIVERSITY OF CRUSTOSE DISCOLICHEN IN MANGROVE FOREST AT PRACHUAP KHIRI KHAN PROVINCE, THAILAND
SP11_005_PA	Sutatip Noikrad	OPTIMAL CONDITION FOR MEASURING BARK PH AND CONDUCTIVITY IN LABORATORY
SP11_006_PF	Supattara Phokaeo	THE PYRENOLICHENS AROUND RAMKHAMHAENG UNIVERSITY REGIONAL CAMPUS IN HONOUR OF HIS MAJESTY THE KING, NAKHON PHANOM PROVINCE
SP11_009_PF	Kawinnat Buaruang	<i>Relicina</i> (LICHENIZED ASCOMYCOTA) IN THAILAND
SP11_010_PF	Phimpha Nirongbut	LICHEN HERBARIUM DATABASE AND MANAGEMENT AT RAMKHAMHAENG UNIVERSITY I
SP11_011_PF	Udomrak Meethong	DIVERSITY OF FOLIICOLOUS LICHENIZED FUNGI IN MANGROVE FOREST FROM CHUMPHON PROVINCE, THAILAND
SP11_012_PA	Wetchasart Polyiam	A PRELIMINARY SURVEY ON THE OCCURRENCE OF TWO EPIPHYTIC MACROLICHENS IN A POST-FIRE FOREST OF KHAO YAI NATIONAL PARK
SP11_013_PA	Pakarapon Poonsukkho	SECONDARY METABOLITES PRODUCTION IN LICHEN-FORMING FUNGI OF SOME <i>Arthonia</i> SPECIES IN THAILAND
SP11_014_PA	Mongkol Phaengphech	SOIL WATERING RETAINS THALLUS WATER CONTENT AND PROLONG ACTIVE PERIOD OF LICHEN <i>Parmotrema tinctorum</i> ON TRANSPLANTED FRAMES
SP11_015_PA	Ketkaeo Poonraksa	A PRELIMINARY INVESTIGATION OF TOTAL VOLATILE ORGANIC COMPOUNDS (TVOCs) PRODUCED BY CULTURES OF LICHEN-FORMING FUNGI
SP11_016_PA	Kajonsak Vongshewarat	BIODIVERSITY OF LICHENS FAMILY TRYPETHELIACEAE AROUND RAMKHAMHAENG UNIVERSITY REGIONAL CAMPUS IN HONOUR OF HIS MAJESTY THE KING, KANCHANABURI SURIN AND NAKHON PHANOM PROVINCE

SYMPOSIUM 12: Marine Plastic Abatement

ID	Presenter	Title
SP12_001_PA	Makamas Sutthacheep	ASSESSING MICROPLASTIC CONTAMINANTS IN SHRIMP PASTE FROM THE GULF OF THAILAND AND THE ANDAMAN SEA

SYMPOSIUM 13: Natural Products for Drug Discovery

ID	Presenter	Title
SP13_001_PF	Tanpitcha Yodweerapong	EFFECT OF <i>Ficus Dubia</i> EXTRACT ON ADIPOGENESIS

ID	Presenter	Title
SP13_003_PF	Mia Indria Permatasari	CHEMICAL CONSTITUENTS OF <i>Dendrobium braianense</i> AND THEIR α -GLUCOSIDASE INHIBITORY ACTIVITY
SP13_004_PF	Manaschanok Lailerd	ANTI-INFLAMMATION AND ANTI-INSULIN RESISTANCE ACTIVITIES OF <i>Carissa carandas</i> Linn. FRUIT EXTRACT
SP13_006_PA	Thanesuan Nuanyai	<i>Cordyceps militaris</i> EXTRACT USING GLYCERIN AS A SOLVENT
SP13_008_PA	Sudarat Kruakaew	CYTOTOXIC CARDIAC GLYCOSIDES WITH RARE SUGARS AND TRITERPENOID CINNAMATES OF <i>Vallaris glabra</i>
SP13_009_PA	Patcharee Pripdeevech	BIOFUMIGATION ACTIVITY OF VOLATILE COMPOUNDS PRODUCED FROM <i>Pestalotiopsis</i> ENDOPHYTIC FUNGUS AGAINST <i>Melissococcus plutonius</i> IN HONEYCOMB
SP13_010_PF	Ratdanaporn Phongvinyan	ANTI-BACTERIAL ACTIVITY OF CRUDE EXTRACTS FROM RED CALYX AND PEEL OF ROSELLE, DRAGON FRUIT, AND PASSION FRUIT
SP13_011_PF	Iyapat Surakkhaka	SCREENING FOR ANTIBACTERIAL ACTIVITY OF CRUDE EXTRACTS FROM DIFFERENT PARTS OF SIAM CARDAMON (<i>Amomum Krevanh</i> Pierre)
SP13_013_PF	Sasivimon Promsan	PROTECTIVE EFFECT OF AGOMELATINE ON OXIDATIVE STRESS AND AUTOPHAGY PATHWAY IN OBESITY-INDUCED KIDNEY INJURY
SP13_014_PA	Prempree Sutthasupha	CHITOSAN OLIGOSACCHARIDE PREVENTS KIDNEY INJURY IN PREDIABETIC RATS
SP13_015_PA	Kittima Winyayong	POTENTIAL SYNERGISTIC ANTIMICROBIAL EFFICIENCY OF BINARY COMBINATIONS OF <i>Amomum testaceum</i> AND <i>Zanthoxylum piperitum</i> ESSENTIAL OILS AGAINST <i>Staphylococcus aureus</i> AND <i>Escherichia coli</i>
SP13_016_PA	Pamela Weber	SYNERGISTIC ANTIBACTERIAL EFFECTS OF <i>Zanthoxylum limonella</i> and <i>Zingiber cassumunar</i> ESSENTIAL OILS
SP13_017_PF	Puttachard Hensanghong	INVESTIGATION OF ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF ETHYL ACETATE EXTRACTS FROM FIVE EDIBLE MUSHROOMS
SP13_018_PF	Winyu Wongwiwat	KNOWLEDGE OF THAI TRADITIONAL HEALER ON UTILIZATION OF HERBS IN NAKHON SI THAMMARAT PROVINCE: IN CASE OF MRS. PANEE LUICHAN
SP13_019_PF	Nutkochchatas Jumpeephun	ANTIOXIDANT AND SUN PROTECTION ACTIVITIES OF <i>Averrhoa bilimbi</i> L. LEAF EXTRACT AND ITS APPLICATION
SP13_020_PA	Saowanee Petkeereerat	IN VITRO SCREENING OF ANTIOXIDANT ACTIVITIES OF FOUR THAI MEDICINAL FLOWERS
SP13_021_PA	Jirapast Sichaem	α -GLUCOSIDASE INHIBITORS FROM THE STEMS AND TWIGS OF <i>Garcinia schomburgkiana</i>
SP13_022_PA	Nattharika peedee	INHIBITION OF NITRIC OXIDE AND FREE RADICAL SCAVENGING ACTIVITIES OF SOME SELECTED THAI MEDICINAL FLOWERS
SP13_023_PF	Vachiraporn Ajavakom	SYNTHESIS AND CYTOTOXIC ACTIVITY OF TETRAHYDROCURCUMIN-DIHYDROPYRIMIDINONES AGAINST SMALL CELL LUNG CANCER (NCI-H187) CELL LINES
SP13_024_PA	Teerawut Thothaisong	SESQUITERPENE AND TRITERPENE FROM THE LEAVES OF <i>Shorea siamensis</i>
SP13_025_PA	Wachirachai Pabuprapap	TRITERPENOIDS FROM THE FLOWERS OF <i>Mesua ferrea</i>
SP13_026_PA	Yuttana Siriwattanasathien	HALOGENATED SESQUITERPENOIDS FROM <i>Laurencia composita</i>

ID	Presenter	Title
SP13_027_PA	Jintana Jantham	CHEMICAL CONSTITUENTS FROM THE AERIAL PARTS OF <i>Euphorbia lactea</i> Haw.
SP13_028_PA	Watcharapa Jitkaroon	PHENANTHRENES AND BIBENZYLs FROM <i>Dendrobium</i> 'Suree Classic'
SP13_029_PA	Suphaporn Limjirawatthana	CHEMICAL CONSTITUENTS FROM THE STEMS OF <i>Paederia linearis</i> Hook.f.
SP13_030_PA	Kiratiya Eiamthaworn	INHIBITORY EFFICACY OF <i>Cordyceps militaris</i> EXTRACTS ON SKIN PATHOGENIC BACTERIA AND INFLAMMATION
SP13_031_PA	Engkarat Kingkaew	SCREENING AND IDENTIFICATION OF CHOLESTEROL LOWERING AND BILE SALT HYDROLASE PRODUCING LACTIC ACID BACTERIA FROM THAI PICKLED MUSSELS (<i>HOI-DONG</i>)
SP13_033_PA	Suwichada Jaipea	NEW CLASS OF PIPERINE AMIDE ANALOGS AS ACETYLCHOLINE ESTERASE (AChE) INHIBITORS
SP13_034_PA	Jesada Maneewong	TOTAL SYNTHESIS AND STRUCTURE MODIFICATION OF CAERULOMYCIN A, A MARINE NATURAL PRODUCT
SP13_035_PA	Nisachon Tedsree	DIVERSITY AND ANTIMICROBIAL ACTIVITY OF ENDOPHYTIC ACTINOMYCETES ISOLATED FROM THAI ORCHIDS
SP13_037_PF	Nopawit Khamto	STRUCTURAL MODIFICATION OF 2',4'-DIHYDROXY-6'-METHOXY-3',5'-DIMETHYLCHALCONE FROM SEEDS OF <i>Syzygium nervosum</i> A.Cunn ex DC. AND THEIR ANTICANCER ACTIVITY
SP13_038_PA	Sakchai Hongthong	ALKALOIDS FROM TWIGs OF <i>Uvaria grandiflora</i>
SP13_039_PF	Nattasit Akkarawongdacha	SYNTHESIS AND DNA DELIVERY INTO CELLS OF CATIONIC LIPITIDS
SP13_040_PA	Nichakan Whangchai	POLYPHENOLIC CONTENTS AND ANTIOXIDANT ACTIVITY OF <i>Phyllanthus emblica</i> FRUIT EXTRACTS
SP13_041_PF	Patitta Choosub	CYTOTOXIC ACTIVITY SCREENING OF AERIAL PARTS EXTRACTS OF <i>Boesenbergia violacea</i> (K.Larsen & Triboun) Mood & L.M.Prince
SP13_042_PF	Jaranwit Srijun	MICROBIAL TRANSFORMATION OF HEXAHYDROCURCUMIN
SP13_043_PF	Nay Thwe Kyi	TAUNGTANGYI AND KARAMET AS NATURAL SKIN BEAUTIFIER THANAKA FROM TANINTHARYI TOWNSHIP
SP13_044_PF	Phyu Phyu Aung	A COMPARATIVE STUDY ON ANTIOXIDANT ACTIVITIES OF PAPAYA LEAVE, SEED AND FLOWER (<i>Carica Papaya</i> L.)

SYMPOSIUM 15: Science-based Sustainable Tourism

ID	Presenter	Title
SP15_002_PA	Sittiporn Pongsakun	THE RECOVERY POTENTIAL OF CORALS AT MU KO SICHANG, THE UPPER GULF OF THAILAND
SP15_003_PA	Wanlaya Klinthong	DIVERSITY OF CORAL RECRUITS FROM SETTLEMENT PLATE EXPERIMENTS FROM MU KO ANGTHONG, THE WESTERN GULF OF THAILAND
SP15_004_PA	Ploypailin Rangseethampanya	DISTRIBUTION OF <i>Chaetodon wiebeli</i> A COMMON ORNAMENTAL FISH IN MU KO CHUMPHON NATIONAL PARK

ID	Presenter	Title
SP15_005_PA	Charernmee Chamchoy	COMPOSITION AND ABUNDANCE OF JUVENILE CORALS ON SHALLOW REEF FLATS AND REEF SLOPES IN MU KO ANG THONG NATIONAL PARK
SP15_006_PA	Rattanawadee Neamsiri	ENVIRONMENT FACTORS CONTROLLING CORAL RECRUITMENT IN MU KO SAMET, THE EASTERN GULF OF THAILAND
SP15_008_PA	Siriluck Rongprakhon	DISTRIBUTION AND DENSITY OF MACRO-INVERTEBRATES ON SHALLOW REEF FLATS IN KO PHANGAN, SURAT THANI PROVINCE
SP15_009_PA	Wiphawan Aunkhongthong	SCLERACTINIAN CORAL COMMUNITIES ON SHALLOW REEF FLATS AT MU KO CHUMPHON, THE WESTREN GULF OF THAILAND
SP15_010_PA	Napaphach Luangkhamin	THE DISTRIBUTION OF THE FLUTED GIANT CLAM (<i>Tridacna squamosa</i>) IN SURAT THANI PROVINCE, THAILAND
SP15_011_PA	Sirirat Jaiharn	ABUNDANCE OF THE MAGNIFICENT SEA ANEMONE (<i>Heteractis magnifica</i>) AND ITS TOURISM POTENTIAL IN DIVE SITES AT MU KO CHUMPHON NATIONAL PARK
SP15_012_PA	Bancha Lawang	REEF FISH DIVERSTY IN THE ISLANDS OF CHUMPHON PROVINCE
SP15_013_PA	Pradchek Klangsin	THE ANEMONEFISH <i>Amphiprion perideraion</i> IN THE GULF OF THAILAND: IDENTIFYING TOURISM SITES WITH HIGH SIGHTING POTENTIAL
SP15_014_PA	Arirush Wongnutpranont	INCREASING IN DOLPHIN SIGHTINGS AFTER THE PEAK OF COVID-19 PANDEMIC AT HAD KHANOM–MU KO THALE TAI, THAILAND
SP15_015_PF	Vimoltip Singtuen	THE PROTOTYPE OF GEOMORPHOLOGICAL SITES FOR SUSTAINABLE GEOTOURISM IN THAILAND
SP15_017_PA	Makamas Sutthacheep	ACTIVE CORAL RESTORATION USING HIGH STRESS-TOLERANT FRAGMENTS FROM SHALLOW REEF FLATS IN THE WESTERN GULF OF THAILAND