

POSTER PRESENTATIONS

Poster Presentation I (November 23, 2017; 16:30-18:00) includes 2 sessions: Food and Agricultural Biotechnology; Bio-energy and Biomass

Poster Presentation II (November 24, 2017; 15:30-16:30) includes 4 sessions: Molecular Biology and Bioinformatics; Environmental Biotechnology; Medical and Pharmaceutical Biotechnology; Nanobiotechnology and other related areas

SESSION: Food & Agricultural Biotechnology

Poster Presentations	
SESSION	Food & Agricultural Biotechnology
FA-P-013	Antibacterial activity and phytochemical screening of leaf extract of torch ginger (<i>Etlingera elatior</i> L.) against <i>Pectobacterium carotovorum</i> and <i>Xanthomonas campestris</i> pv. <i>campestris</i> Saichai Kaew-on
FA-P-016	Isolation and host range test of bacteriophages specific to <i>Salmonella</i> spp. Napakhwan Imklin
FA-P-021	Production of Pickled Mustard by Freeze-Dried Starter Isolated from Fermented Vegetables and Fruit and Evaluation of Its Quality Palida Tanganurat
FA-P-023	<i>Bacillus amyloliquefaciens</i> to control of Potato Blackleg Caused by <i>Pectobacterium carotovorum</i> Athidtaya Kumvinit
FA-P-026	Impact of rice protein and prebiotics as protectants on the survival of freeze-dried probiotic <i>Lactobacillus plantarum</i> Wanticha Savedboworn
FA-P-027	Increased carotenoids accumulation in green microalga <i>Chlorococcum</i> sp. 8367RE under stress conditions Kantima Janchot
FA-P-028	Detection of Haram animals in processed food Products Using Real-Time PCR Monruedee Khemtham
FA-P-035	Screening and optimizing culture conditions for tannase production by wood-degrading fungi. Natthawadee Vajrobol
FA-P-040	Effect of temperature on levels of bitterness sesquiterpene lactones and nitrate in hydroponic Green Oak lettuce Suchanad Laokasemsukvong
FA-P-041	Monitoring the lactic acid bacterial diversity during Budu fermentation by culturing method and PCR-DGGE technique Chanika Saenge Chooklin
FA-P-042	Inhibition of <i>Aspergillus flavus</i> growth and aflatoxin contamination in corn silage using antagonistic yeasts and lactic acid bacteria Tassaporn Rungchaiwattanakul

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SESSION	Food & Agricultural Biotechnology
FA-P-045	Antimicrobial activity and sensory testing of kombucha tea Duangjai Ochaikul
FA-P-050	The effects of different combinations of cryoprotectants for vitrification of <i>in vitro</i> matured bovine oocytes Vajara Wipassa
FA-P-051	Development of gaur-bovine interspecies somatic cell nuclear transfer with different donor cell gender Sutatip Jirundorn
FA-P-052	Coenzyme q10 production by continuous cultivation of <i>Rhodospseudomonas</i> sp. 14 Somchai Krairak
FA-P-056	Innovative development of edible films for value added beverages. Chalisa Sabphon
FA-P-057	Phenolic-protein enriched matrix innovation: An alternative functional food for health from plum Tinnakorn Rosruen
FA-P-058	Effect of microwave heating on overall migration of polypropylene plastic container into food simulants Supanya Yomsriken
FA-P-060	Comparison of nutritive values of <i>Yarrowia lipolytica</i> TISTR 5621 cultivated with molasses and commercial shrimp feed Ratiya Charoensakdi
FA-P-064	β -glucan production by black yeast <i>Aureobasidium thailandense</i> NRRL 58543 and its prebiotic property Nuntuchpon Khayanna
FA-P-068	Selection of lactic acid bacteria from fermented vegetable for fermented food product application Phanwipa Pangsri
FA-P-086	Production of aureobasidin A from a Thai strain <i>Aureobasidium pullulans</i> NRRL 58536 Jiranuch Thiemboonsong
FA-P-089	Generation of monoclonal antibody against Heavy chain and light chain of <i>Nile Tilapia</i> immunoglobulin M Tanapon Soonthonsrima
FA-P-090	Detection of ToxA and ToxB of <i>Vibrio parahaemolyticus</i> that cause acute hepatopancreatic necrosis disease (AHPND) using specific monoclonal antibodies Siwaporn Longyant
FA-P-091	Optimization of inoculum size for maximum mannanase and xylanase productions from organic rice field bacteria Sudathip Chantorn
FA-P-098	The production of hydrolytic enzymes by <i>Bacillus subtilis</i> KL-007 utilizing polysaccharide from rice bran extracts Nattapon Kadkamsuk
FA-P-119	Improving the quality of okara with <i>Aspergillus oryzae</i> via solid-state fermentation Umarphorn Chadseesuwana

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SESSION	Food & Agricultural Biotechnology
FA-P-120	Optimization of fermentable sugar production from cellulose-rich corncob residue, a solid waste from xylooligosaccharides production process Pinpanit Boonchuay
FA-P-124	Study on antioxidant activity of fish protein hydrolysate :Optimization using response surface methodology Sopa Klinchan
FA-P-130	Optimization of Extraction Process of Polysaccharides from Macro Algae <i>Ulva rigida</i> Using Response Surface Methodology Papassara Sangtanoo
FA-P-131	Development of immunochromatographic strip test for detection of nitrofuran metabolites (AMOZ) in shrimp Umaporn Pimpitak
FA-P-140	Environmental conditions for growth of selected probiotic lactic acid bacteria isolated from fermented tea leaf Wirunya Chaichana
FA-P-144	Solid-state fermentation of the oleaginous fungus for arachidonic acid production Sompot Antimanon
FA-P-149	Effect of the inoculated mushroom loaf containing a fermented spent coffee ground on the production of Phoenix oyster mushroom <i>Pleurotus sajor-caju</i> (Fr.) Singers Sirilux Chaijamrus
FA-P-155	Comparative physicochemical properties of rice flour, banana flour, and job's tears flour and applications in cookies Sirinapa Sasanam
FA-P-156	Species Diversity, Distribution, Hosts of Entomopathogenic Fungi, Genus <i>Ophiocordyceps</i> in Doi Inthanon National Park, Chiang Mai, Thailand Rungkiat Kawpet
FA-P-157	Study of genetic variation of indigenous rice in Suratthani province using seed morphological traits Kittima Kongton
FA-P-164	Biological activities and phenolic content of <i>Carissa carandas</i> Linn. and its application in emulgel Nont Thitilertdecha
FA-P-169	Leaf protein concentrate from duckweeds in Thailand Supaporn Garanee
FA-P-178	Comparative studies on cassava starch based film incorporated with jellyfish gelatin type B produced by extrusion and casting process Pornjitra Chancharern
FA-P-179	Quality of reduced sodium steamed mackerel during storage Benjawan Thumthanaruk

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SESSION	Food & Agricultural Biotechnology
FA-P-183	Investigation of phenolic antioxidants from Litchi chinensis Sonn. residues and their stabilities Sarita Sangthong
FA-P-184	Comparative study on phenolic antioxidants extraction from fresh and fermented <i>Camellia sinensis</i> var. <i>assamica</i> leaves Punyawatt Pintathong
FA-P-185	Effect of calcium hypochlorite, sodium hypochlorite and ozone on quality of pesticide residue free vegetables Kanwipha Klinchu
FA-P-186	Potential application of <i>Sansevieria trifasciata</i> powder in seafood packaging: Impact of polymer films on trimethylamine (TMA) adsorption Attaporn Roythin
FA-P-188	The production of isomalto-oligosaccharide from rice starch using two-step enzyme hydrolysis Premuda Saman
FA-P-189	Carboxylesterase activity of the legume seeds extracted Chiradet Nasuk

SESSION: Environmental Biotechnology

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EB-P-009	Transesterification reaction for palm olein based wax esters synthesis by immobilized lipase EQ3 isolated from wastewater of fish canning industry Pakpimol Ungcharoenwiwat
EB-P-015	Treatment of tertiary butyl alcohol by immobilized laccase through zinc oxide nanoparticles Jantiya Isanapong
EB-P-017	Kinetics of triclosan biodegradation by <i>Serratia marcescens</i> isolated from hospital wastewater Prapakorn Tantayotai
EB-P-018	Lead accumulation in indigenous plants of Kliti creek, Thong pha phum district, Kanchanaburi province Pathitta Chaisuk
EB-P-020	Natural sunscreen compound from marine extremophile: Production, purification and radical scavenging activity Supamate Tarasuntisuk
EB-P-032	Production and application of biosurfactants by new strains of <i>Bacillus subtilis</i> BS1 isolated from orchid farm soil Chanika Saenge Chooklin
EB-P-046	Enhanced succinic acid production from L-arabinose by <i>Corynebacterium glutamicum</i> CS176- Δ ldhA disruptant Pinnita Fueangbangluang
EB-P-076	Bioreactor for fish culture made of gapi and volcanic soil Haruhiko Toyohara

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SESSION	Environmental Biotechnology
EB-P-096	Microbial communities and hydrocarbon degradative genes in sediment samples of Gulf of Thailand as revealed by 16S rRNA amplicon sequencing Chanokporn Muangchinda
EB-P-103	Screening and isolation of thermostable alkaline keratinase producing bacteria from hot spring Tanyawat Keawsalud
EB-P-107	Removal of diesel oil-contaminated soil by co-culture of <i>Mycobacterium</i> sp. PO2 and <i>Bacillus</i> sp. FW1 mixed with sugarcane bagasse Thikumporn Petchsom
EB-P-108	Formulation of defined consortia from effective hydrocarbon-degrading and biosurfactant-producing bacteria for biodegradation of petroleum hydrocarbons Duangporn Polrit
EB-P-109	Efficiency of mixed bacterial inoculum on degrading linear alpha olefins in seawater Rattiya Padungpol
EB-P-123	Bioconversion of benzene waste to <i>cis-cis</i> muconic acid by a recombinant <i>Escherichia coli</i> Phatcharin Chotchuang
EB-P-125	Chlorinated paraffins biodegradation by <i>Acinetobacter baylyi</i> strain GFJ2 Saowaluk Krainara
EB-P-128	Structural analysis of NADPH-dependent acetoacetyl-CoA reductase in 1,3-butanediol production pathway by kinetic study and modeling Chariya Peeyatu
EB-P-138	Diversity of bacteria isolated from archeological site from Wat mahathat, Phranakhon si ayutthaya historical park, Phranakhon si ayutthaya province, Thailand Sujidkanlaya Maruekarajtinplaeng
EB-P-139	A novel polyhydroxyalkanoate producing bacteria <i>Asaia bogorensis</i> isolated from industrial wastewater Pradinunt Eiamsa-ard
EB-P-141	Removal of Cr (VI) from synthetic wastewater by adsorption on waste tea Wachiraphorn Cherdchoo
EB-P-142	Bioreduction of hexavalent chromium by <i>Bacillus megaterium</i> Jutamas Pantab
EB-P-158	The hydrogen sulfide removal in biogas by biological process in packed column reactor Chaiwat Waewsak

SESSION: Molecular Biology & Bioinformatics

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MB-P-019	Expression of the mycosporine-2-glycine gene cluster from a halotolerant cyanobacterium <i>Aphanothece halophytica</i> into a fresh water cyanobacterium <i>Synechococcus elongatus</i> PCC7942 Panwad Pingkhanont
MB-P-022	A preliminary study on differential gene expression in hemocyte of the mantis shrimp <i>harpiosquilla raphidea</i> by next generation sequencing technique Naiyasit Sodsee

Poster Presentations	
SESSION	Molecular Biology & Bioinformatics
MB-P-062	<i>Plasmodium berghei</i> Genome Editing using the CRISPR/Cas9 System Pongpisid Koonyosying
MB-P-063	Multiple copies of GTP cyclohydrolase I support antifolate drug resistance in <i>Plasmodium falciparum</i> Jutharat Pengon
MB-P-073	Genome sequencing of biomass-degrading enzyme producer <i>Aspergillus aculeatus</i> strain BCC199 Wuttichai Mhuantong
MB-P-075	The role of TRPA1 for adaptation to hypoxic environment in marine annelid, <i>Capitella teleta</i> Tetsuya Ogino
MB-P-099	Antioxidant activity of bioactive compounds from pigmented <i>Oryza cultivar</i> extract Pitchapat Sunthonkun
MB-P-120	Functional characterization of IKK in <i>Penaeus monodon</i> antiviral signaling pathway Zittipong Nnhkorn
MB-P-122	ActSR is involved in the regulation of stress adaptation in <i>Agrobacterium tumefaciens</i> Chitrasak Kullapanich
MB-P-127	Identification of key amino acid residues of the oxygenase enzyme involved in 4-chloroaniline degradation in <i>Acinetobacter baylyi</i> GFJ2 Racha Tabtım
MB-P-135	An adaptive immune system of <i>Arthrospira platensis</i> C1 as revealed by its CRISPR spacers Sudarat Dulsawat
MB-P-137	Functional importance of surface exposed loop-Cry4Ba toxin domain II: A potential recognition region for specific receptors in <i>Aedes</i> Mosquitoes Natnaree Sangkeaw
MB-P-160	Cloning and characterization of Calmodulin from <i>Scoparia dulcis</i> Linn. Netnapa Chana
MB-P-181	Identification of amphipod species in Thailand using molecular techniques Theerawut Phusantisampan
MB-P-193	Development of 16S rRNA-targeted Coprococcus genus primers for quantification in fecal samples by real-time PCR Nantinee Moontan
MB-P-194	Validation of species-specific primers of <i>Streptococcus gallolyticus</i> and evaluation in Thai fecal samples by quantitative PCR Anintita Boonyawat
MB-P-195	Development of genus-specific primers for quantitative PCR analysis of <i>Streptococcus</i> in human feces Tawatchai Chumponsuk

SESSION: Bio-energy & Biomass

Poster Presentations	
SESSION	Bio-energy & Biomass
BB-P-025	Optimum Condition for Nitrate Content in <i>Scenedesmus armatus</i> Cultivation for Biodiesel Production Duangkamol Ruen-ngam
BB-P-029	Salt stress induced lipid accumulation in green microalga <i>Chlamydomonas reinhardtii</i> (137c) Thanapa Atikij
BB-P-033	Effect of chemical pretreatment and enzyme dosages on fed batch enzymatic hydrolysate and ethanol production from sugarcane leaves and shoots Teerapatr Srinorakutara
BB-P-065	Ethanol Production from Cellulosic Cassava Waste Phakamas Rawaengsungnoen
BB-P-094	Biohydrogen Production from Xylose by the newly isolated <i>Clostridium beijerinckii</i> PS-3 Pongsak Noparat
BB-P-101	Ethanol stress response in <i>Saccharomyces cerevisiae</i> under control of transcription factor Znf1 Wiwat Samakkarn
BB-P-104	Bioethanol production from cellulose-rich corncob residue using a thermotolerant yeast <i>Candida glabrata</i> KY618710 via the simultaneous saccharification and fermentation process Siraprapa Srisupa
BB-P-150	Characterization and pretreatment of Nypa fruit fiber for reducing sugar production Kanokrat Saisa-ard
BB-P-166	Isolation and selection of thermotolerant yeast for bioethanol production from sugarcane molasses Kanlayani Charoensopharat
BB-P-192	Efficient bioethanol production from water hyacinth (<i>Eichhornia crassipes</i>) by SHF and SSF using cellulose enzyme (Ctec-2) Monrodee Chaowarat
BB-P-198	Production of stereocomplex poly (lactic acid) from isolated microorganisms in Thailand Phatthanon Prasitchoke

SESSION: Medical & Pharmaceutical Biotechnology

Poster Presentations	
SESSION	Medical & Pharmaceutical Biotechnology
MP-P-008	Screening of natural compounds with melanogenesis inhibition activity for whitening agent application Orrarat Sangkaew
MP-P-031	Development of an ELISA assay for quantification of non-tagged rCRM197 Nawanit Tanapatkunnathorn
MP-P-038	Expression and purification of recombinant heparin-binding protein from <i>Escherichia coli</i> Preeyaporn Thabcharoen
MP-P-039	Periplasmic expression of the small molecular peptide in <i>Escherichia coli</i> Thanaporn Nakwijit
MP-P-049	Anticancer activity of <i>Piper cubeba</i> extract against breast cancer, colon cancer and cholangiocarcinoma cell lines Saowanee Maungchanburi
MP-P-061	Microbiota from mosquito rearing environment secrete effectors with selective antimalarial and anti- <i>Trypanosome</i> activities Ratchanu Bunyong
MP-P-081	Effect of terrein (a secondary metabolite produced from <i>Aspergillus terreus</i> on neutrophil phagocytosis and ROS production Siriwal Suwanpitak
MP-P-083	Enhancing the effect of stapled α -helical mastermind-like 1 (SAHM1) by conjugation with gold nanoparticle against T cell leukemia cell line, Jurkat Chonnicha Subkod
MP-P-087	Antiproliferative activity of gold nanoparticleSAHM1 peptide conjugate against Jurkat cells Mukthida Thippayamonta
MP-P-088	Anti-inflammatory bioactivity of a phytosterol isolated from <i>Antrodia cinnamomea</i> Ju-Ching Chou
MP-P-111	Transformation of artemisinin to deoxyartemisinin by <i>Aspergillus terricola</i> TISTR 3019 Wannipa Pipatsamut
MP-P-113	The role of SmlEP efflux pump on resistance against antibiotics and disinfectants of <i>Stenotrophomonas maltophilia</i> Jurairat Chittrakanwong
MP-P-116	Antifungal activity of <i>Xylaria</i> sp. BCC1067 against the model yeast <i>Saccharomyces cerevisiae</i> expressing Candida drug resistant genes Kwanrutai Watchaputi
MP-P-136	The inhibition of α -amylase and α -glucosidase by <i>Ficus lacor</i> Buch-Ham. Plaipol Dedvisitsakul
MP-P-153	Phytochemical and antioxidant activities of 4 Thai medicinal plant extracts Benjamas Nupan
MP-P-159	Anti-aging efficacy of Thai red rice callus cosmetic product Wannisa Vichit

SESSION: Medical & Pharmaceutical Biotechnology

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MP-P-161	Antioxidant effect of the standardized extract of <i>Centella asiatica</i> (ECa233) on the liver of rotenone-treated rat. Thidarat Intararuchikul
MP-P-167	Citrate transport protein inhibitor inhibits <i>de novo</i> lipogenesis and induces apoptosis through activating ceramide synthesis in HCT116 xenograft nude mice models Narinthorn Phakdeeto
MP-P-174	Simultaneous extraction of oil and protein from perilla seed by threephase partitioning and the application in serum Phanuphong Chaiwut
MP-P-187	Comparison of bioactive compounds and bioactivities in Robusta and Arabica coffee extracts and their cosmetic application Natthawut Thitipramote

SESSION: Nanobiotechnology & other related areas

Poster Presentations	
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NO-P-044	Antimicrobial activity of plant extracts from the wild flowers in Chiangrai Province, Thailand Sarote Nitsawang
NO-P-132	Activity of solvent-rinsed <i>Carica papaya</i> lipase Ninnapat Tiensri
NO-P-162	Optimum conditions for laccase immobilization on porous titanium dioxide nanostructure Jantiya Isanapong