Oct 18, 13:00 – 14:00 **Crystal**

Poster Session 1	

P1 – 1

Seasonal Variation of Ginsenoside Contents in The Leaves of *Panax ginseng*

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P1 – 2

***In Vitro*, Inhibitory Effect on Nitric Oxide Production of Thai Traditional Benjakul and Mahapikud Soros Benjakul Remedies Used to be Adaptogenic Drug**

Pornthep Temrangsee[1], Sumalee Panthong[2,3], Chisanucha Sattaponpan[4] and Arunporn Itharat[2,3]*

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P1 – 3

Inhibition of Monoamine Oxidase A and B by *Rhinacanthus nasutus*

Khanistha Prakobsri[1], Supattra Boonruang[2], Pornpimol Rongnoparut[2], Songklod sarapusit[3]*

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P1 – 4

Alpha-Mangostin, an Active Compound in *Garcinia mangostana*, Increases Anoikis-Resistance in Human Hepatocellular Carcinoma Cells

Benjawan Wudtiwai, Pornsiri Pitchakarn, Ratana Banjerdpongchai*

Department of Biochemistry, Faculty of Medicine, Chiang Mai University, Chiang Mai 50200, Thailand

P1 – 5

Caspase-Independent Apoptosis of *Dioscorea membranacea* Rhizome Extract in Human Non-Small-Cell Lung Cancer NCI-H226 Cells and Its Phytochemical Constituents

Pintusorn Hansakul[1,4], Kalaya Aree[2], Nitra Nuengchamnong[5] and Arunporn Itharat[3,4]

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P1 – 6

Effects of Seed Rhizomes Sizes and Shading on Rhizome Yield and Dioscorealide B Content of *Dioscorea membranacea* Pierre ex Prain & Burkill

Panumart Rithichai[1], Yaowapha Jirakiattikul[1] and Arunporn Itharat[2]*

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P1 – 7

Antibacterial activity of the ethanolic extract of *Cassia garrettiana* heartwood

Sumalee Panthong, Arunporn Itharat*, Suchada Naknarin

Department of Applied Thai Traditional medicine, Thammasat University, Pathumthani, Thailand 12120

P1 – 8

Effects of Phenylalanine Concentrations on Antioxidant Contents of *Smilax corbularia* Kunth Shoots under Aseptic Conditions

Yaowapha Jirakiattikul[1], Panumart Rithichai[1], Jermaroon Autaijamsripon[1] and Arunporn Itharat[2]*

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P1 – 9

Anti-Tyrosinase Activity of Four Plant Extracts and Kinetic Study of *Alpinia galanga* Rhizomes Extract

Farah Jabbar Hashim[1, 2], Kanit Vichitphan[2, 3], Sukanda Vichitphan[2, 3]

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P1 – 10

Immunostimulatory Effects of *Alstonia scholaris* (Apocynaceae) Ehanolic Leaf Extract in Experimental Immunosuppressed Balb/C Mice

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P1 – 11

Inhibition of Human Monoamine Oxidases (MAOs) by *Atractylodes lancea* (Thunb.) DC. Medicinal Plant Extracts

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P1 – 12

Inhibition of Monoamine Oxidase A and B by *Pluchea indica*

Supattra Boonruang[1], Khanistha Prakobsri[1], Pornpimol Rongnoparut[2] and Songklod Sarapusit[3]*

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P1 – 13

The Effect of Lunasin from Soybean Extract to Decrease Expression of COX-2 in Mice Colon Induced Dextran Sodium Sulfate

Kusmardi Kusmardi[1]*, Nessa Nessa[2], Ari Estuningtyas[2], Aryo Tedjo[3] and Puspita Eka Wuyung[1]

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P1 – 14

Protective Effect Against Oxidative Stress-Induced Cytotoxicity and *in vitro* Antioxidant Activity of Thai Kam Muang Purple Rice

Kedsara Junmarkho[1] and Pintusorn Hansakul[1,2,3,*]

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P1 – 15

Protective Effect against Nitrosative Stress-Induced Cytotoxicity and *in vitro* Nitric Oxide Scavenging Activity of Hua-Khao-Yen Extract

Worawat Surarit[1] and Pintusorn Hansakul[1,2,3]*
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P1 – 16

Study on the Safety of *Garcinia mangostana* Linn. (Mangosteen) and Thai Medicinal Formula (Ha-Rak) Ethanolic Extracts in Thai Healthy Volunteers and Anti-Acne Inducing Bacteria Activity

Kalyarut Phumlek[1], Arunporn Itharat[2,3]*, Padcha Pongcharoen[4] and Panlop Chakkavittumrong[4]
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P1 – 17

Cytotoxicity of Three Edible Plants in Piperaceae against Breast and Ovarian Cancer Cells

Saovapak Poomirat[1], Nuanjan Jaiarree[2,3], Srisopa Ruangnoo[2,3] and Arunporn Itharat[2,3]*
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P1 – 18

Antibacterial and Cytotoxic Activities against Woman Cancer Cells of *Asparagus racemosus* Extract

Sasikarn Aukkanibut[1] Arunporn Itharat[2,*] Sumalee Panthong[2] and Thammarat Toyon[2]
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P1 – 19

Development of Dietary Supplement Products in Spherical Beads Form Containing Herbs

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P1 – 20

Potential of *Lactobacillus plantarum* TISTR 1465 and *Lactobacillus plantarum* 5C2-14 for Synbiotic Production with Jerusalem Artichoke Powder

Nontaporn Rattanajug[1,2], Siriwan Nawong[3] and Khanittha Fiala[4,5,*]
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P1 – 21

Antioxidant and Anti-Inflammatory Effects of Thai Traditional Hemorrhoids-Treatment Recipe

Kanyarat Peng-ngummuang, Subhaphorn Wanna, Bungorn Sripanidkulchai and Jintana Junlatat*
Faculty of Thai Traditional and Alternative Medicine, Ubon Ratchathani Rajabhat University, Thailand

P1 – 22

Tetrahydrocurcumin Attenuates High-Fat Diet-Induced Kidney Injury through Suppression Intrarenal ACE and AT1R Expression in Mice

Weerapon Sangartit[1, 2], Eun Soo Lee[1], Hong Min Kim[1], Sun Hee Lee[1], Ha-Kyung Bong[1], Lee Hui Jo[1], Eun Young Lee[3] and Choon Hee Chung[1]*

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P1 – 23

Characterization of Alkaline Protease Producing Bacteria and Its Application as a Laundry Detergent Additive

Jutaporn Sawaengkaew*, Polson Mahakhan, Suwimon Boorana and Sureeporn Witthayakhow

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P1 – 24

Effects of 6-Week Oral Administration of *Kaempferia parviflora* Rhizome Dichloromethane Extract Formula on Body Fat and Vascular Function in Middle-Aged Male Rats

Pilaipan Chairuk[1], Jomkarn Naphatthalung[1], Yotsanan Weerapol[2] and Chaweewan Jansakul[1]*

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P1 – 25

Effects of 6 Weeks Oral Administration of Palm Oil on Lipid Profile and Vascular Function in Young Male Rats

Jomkarn Naphatthalung[1], LianSuan Cing[1], Kanyanatt Kanokwiroon[2,4], Nisaudah Radenahmad[3] and Chaweewan Jansakul[1,*]

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P1 – 26

Anti-Metastatic Effect of Rice Bran Hydrolysates on Cholangiocarcinoma Cells through Suppression of FAK/PI3K/Akt Pathway

Suphanthip Phusrisom[1], Auemduan Prawan[1], Laddawan Senggunprai[1], Sarinya Kongpetch[1], Upa Kukongviriyapan[2] and Veerapol Kukongviriyapan[1]*

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P1 – 27

Effects of Pepsin-educed Soy Protein Hydrolysates on Degranulation in IgE-Antigen Complex-Stimulated RBL-2H3 Cells

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P1 – 28

Sung Yod Rice Bran Hydrolysates Reduce Blood Pressure and Oxidative Stress in Nitric Oxide Deficient Hypertensive Rats

Upa Kukongviriyapan[1,2,*], Gulladawan Jan-on[1,2], Weerapon Sangartit[1,2], Ketmanee Senaphan[2,3], Veerapol Kukongviriyapan[4] and Chakree Thongraung[5]

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P1 – 29

Antihypertensive and Antioxidative Effects of Asiatic Acid in Rats Chronically Exposed to Lead

Akarachai Tubsakul[1,2], Weerapon Sangartit[1,2], Poungrat Pakdeechote[1,2], Veerapol Kukongviriyapan[3] and Upa Kukongviriyapan[1,2]

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P1 – 30

Plant Proliferation and Callus Induction of a Medicinal Plant *Celosia argentea*

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P1 – 31

Selection of β-glucosidase producing lactic acid bacteria to use as starter culture for soy yogurt production

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P1 – 32

Glucosyloxybenzyl *R*-2-benzylmalate derivatives from *Arundina graminifolia* (D.Don) Hochr.

Opeyemi Joshua Olatunji[1], Pierre Waffo-Teguo[2], Jean-Michel Mérillon[2] and Florence Auberon[3*]

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P1 – 33

Production of Hybrid Catfish Patties with *Aloe vera*

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P1 – 34

Formulation and Process Development of Crispy Rice Coated with Riceberry Sweet Solution

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P1 – 35

***Etlingera pavieana* Extract Inhibits TNF-α-Induced Vascular Adhesion Molecule Expression and ROS Production in Human Endothelial Cells through JNK and Akt Pathways**

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P1 – 36

Compounds from Black Rice Bran Extract Reduce Prostatic Tumor Progression by Inhibiting the Cells

Proliferation and Altering the Cytoskeletal Organization

Kamonwan Jongsomchai[1], Sucha Numkliang[2] and Vijittra Leardkamolkarn[3]*

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P1 – 37

Effects of Patawee Apo Wayo Extract on Cognitive Impairment in Streptozotocin-Induced Diabetic Rats

Nutchareeporn nillert[1], Wanassanan Pannangrong[1,2], Jenjiralai Phanphak[1], Jariya Umka Welbat[1,3] Niramai Fangkrathok[4], Monthaka Teerachaisakul[5], Kamonwan Banchuen[5] and Bungorn Sripanidkulchai [2]*

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P1 – 38

Effects of Patavee Apo Wayo Extract on Body Weight and Blood Glucose in Streptozotocin-Induced Rats

Wanassanun Pannangrong[1,2], Nutchareeporn Nillert[1], Komsun Bunreungthong[1], Jariya Umka Welbat[1,3], Niramai Fangkrathok[4], Monthaka Teerachaisakul[5], Kamonwan Banchuen[5] and Bungorn Sripanidkulchai[2]*

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P1 – 39

***Carissa Carandas* Extract for Green Synthesis of Gold Nanoparticles**

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P1 – 40

Phytochemistry and Cytotoxicity of Marine Macroalgae *Sargassum polycystum* Against Cervical HeLa and Breast MCF-7 Cancer Cells

Ade Arsianti[1,2,]*, Fadilah Fadilah[1,2,3], Anton Bahtiar[4], Daniel Martin Simadibrata[5], Zoya Marie Adyasa[5], Daniel Amartya[5], Norma Nur Azizah[2] and Rista Putrianingsih[1]

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P1 – 41

Differential Scanning Calorimeter Profiling for Determination of Nanoparticle Extract of Clove *Syzygium aromaticum* L. Toward MCF-7 Human Breast Cancer Cell lines

Hadin Abdurrohman[1], Ericko Ongko Joyo[1], Vallas Aditiar Widodo[1], Fadilah Fadilah[2, 3]*, Fatmawaty[2], Ade Arsianti[2,3] and Rafika Indah Paramita[2]

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P1 – 42

Antibacterial Against *Bacillus subtilis* and *Staphylococcus aureus* and Antioxidant Activities of Fractions from *Garcinia latissima* Miq. Stem Bark Methanol Extract

Neneng Siti Silfi Ambarwati[1,2], Berna Elya[2]*, Amarila Malik[2], Muhammad Hanafi[3,4], Khairinisa Lestari[2], Nuraini Puspitasari[2], Apriantika Sari[2], Rut Juliany Tarigan[2] and Hanita Omar[5]

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P1 – 43

Arginase Inhibition and Antioxidant Activity of *Sterculia stipulata* Korth. Leaves Extract

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P1 – 44

Potency of *Rubus fraxinifolius* Berry as Anti-Elastase and Anti-Oxidant

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P1 – 45

Anti-Collagenase and Anti-Elastase Activity Test of Seagrass (*Thalassia hemprichii*) Cosmetic Cream

Kiki Zakiah[1], Effionora Anwar[1]* and Tati Nurhayati[2]

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P1 – 46

Jambolan Plum (*Syzygium cumini* (L.) Skeels) Juice Exerts Healthy Anti-Oxidant Status and Extends Lifespan in *Drosophila melanogaster*

Ananya Dechakhamphu[1]*, Nattapong Wongchum[2], Saran Chaweerak[1] and Suthida Rueanngoen[3]

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P1 – 47

Effect of Variety, UV-light, and pH on Phytochemical and Bioactive Compounds Synthesis of Sunflower Sprouts

Saran Chaweerak[1]*, Ananya Dechakhamphu[1], Nattapong Wongchum[2] and Suthida Rueanngoen[3]

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P1 – 48

Herb-Drug Pharmacokinetic Interaction of a Traditional Chinese Medicine with Lamivudine in Rats

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P1 – 49

Bisphenol A-Metabolizing Enzymatic Activity in an Endophytic Ascomycete Isolated from the Mayana Plant

Jobriell C. Baluyot[1], Santiago Emil A. Joson[1], Leela B. Ghimire[2], Eizadora T. Yu[3] and Michael C. Velarde[1]*

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P1 – 50

Cirsimaritin: Validation of Flavonoids from *Cirsium japonicum* var. *maackii* by HPLC/UV

Ju Sung Lee[1], Carlo A. Limbo[1], Yeong-il Kim[1], Ki Sung Kang[2], Dae-Hyun Hahm[3], Yu-Jin Choi[4], Sang Cheon Lee[4] and Sanghyun Lee[1]*

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