Oct 19, 11:20 – 12:20	Crystal
Poster Session 2	

P2 – 51

Carbon Dioxide Supercritical Fluid Extraction of Panaxynol and Panaxydol from Panax Ginseng

Gem Stephen Raña and Jaehong Han*

Metalloenzyme Research Group and Department of Plant Science and Biotechnology, Chung-Ang University, Anseong 17546, Korea

P2 - 52

Aldose Reductase Inhibition by Rosa hybrida Petals

<u>Carlo A. Limbo</u>¹, Ju Sung Lee¹, Yeong-il Kim¹, Sung-Kwon Moon² and Sanghyun Lee^{1*} ¹Department of Integrative Plant Science, Chung-Ang University, Anseong 17546, Republic of Korea, ²Department of Food and Nutrition, Chung-Ang University, Anseong 17546, Republic of Korea

P2 - 53

Peroxyl Radical Scavenging Activity and DNA Damage Protection Effects of Flavonoids from *Flemingia* philippinensis

<u>Yeong Jun Ban</u>, Jeong Yoon Kim, Zuo Peng Li and Ki Hun Park* Division of Applied Life Science (BK21 plus), IALS, Gyeongsang National University, Jinju 52828, Republic of Korea

P2 - 54

X-Ray Structure of Silydianin from the Seeds of *Silybum marianum*, and Tyrosinase Inhibition <u>Jeong Hun Yun</u>, Ji-Yeong Kim, Baiseitova aizhamal and Ki Hun Park* Division of Applied Life Science (BK21 plus), IALS, Gyeongsang National University, Jinju 52828, Republic of Korea

P2 – 55

DPPH Scavenging Activities and Phytochemical Analysis of Some Thai Medicinal Plants <u>Pongtip Sithisarn</u>*, Punjaporn Sunthudlakhar and Narissara Darakai Department of Pharmacognosy, Faculty of Pharmacy, Mahidol University, Thailand

P2 - 56

Development of High Performance Liquid Chromatography Method for Determination of Caffeic Acid and Rosmarinic Acid in *Thunbergia laurifolia* Leaf Extract

Panida Phoprom¹, Sanhawat Promyothin¹, <u>Piyanuch Rojsanga</u>^{1*}, Chutima Petchkrajan¹ and Pongthip Sitthisarn² ¹Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Mahidol University, Thailand ²Department of Pharmacognosy, Faculty of Pharmacy, Mahidol University, Thailand

P2 - 57

Inhibitory Effects of Major Flavonoids from Oroxylum indicum Fruits against Clinical Isolated Bacteria <u>Patchima Sithisarn^{1*}</u>, Petcharat Nantateerapong², Piyanuch Rojsanga³ and Pongtip Sithisarn² ¹Department of Veterinary Public Health, Faculty of Veterinary Medicine, Kasetsart University, ²Department of Pharmacognosy, Faculty of Pharmacy, Mahidol University, ³Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Mahidol University

P2 - 58

Mechanistic Effects of Rice Bran Constituents on Cadmium-Exposed Human Breast Cancer Cells <u>Sucha Numkliang</u>¹, Kamonwan Jongsomchai² and Vijittra Leardkamolkarn^{3*}

¹Department of Applied Science, Faculty of Science and Technology, Nakhon Sawan Rajabhat University, Nakhon Sawan 60000, Thailand, ²Department of Anatomy, Faculty of Medical science, University of Phayao, Phayao 56000, Thailand, ³Department of Anatomy, Faculty of Science, Mahidol University 10400, Thailand

P2 - 59

HPLC Method Validation of Oxyresveratrol in Artocarpus lakoocha Roxb. Extract: Application for Skin

Permeation Study

Bunleu Sungthong* and Catheleeya Mekjaruskul

Pharmaceutical Chemistry and Natural Product Research Unit, Faculty of Pharmacy, Mahasarakham University, Kantharawichai District, Maha Sarakham Province, 44150, Thailand

P2 - 60

New Tetrahydroxyflavanones from the Flowers of *Coreopsis lanceolata* L. and their Antioxidant and Antinflammatory Activities.

<u>Hyoung-Geun Kim</u>¹, Hyun-Ji Oh¹, Jung-Hwan Ko¹, Hae Seong Song¹, Yeong-Geun Lee¹, Se-Chan Kang¹, Dae Young Lee^{2*} and Nam-In Baek^{1*}

¹Graduate School of Biotechnology and Department of Oriental Medicinal Biotechnology, Kyung Hee University, Yongin 17104, Republic of Korea, ² Department of Herbal Crop Research, National Institute of Horticultural and Herbal Science, RDA, Eumseong 27709, Republic of Korea

P2 – 61

Shikimate Metabolites from of *Forsythia koreana* Flowers (Oleaceae) and their Functionality as Pharmacological Agents

<u>Yeong-Geun Lee</u>, Jung Eun Gwag, Youn Hee Nam, Hyoung-Geun Kim, Tong Ho Kang, Se Chan Kang and Nam-In Baek*

Graduate School of Biotechnology & Dep<mark>artment of Oriental Medicine Biotechnology, Kyung Hee University,</mark> Yongin, 17104, Republic of Korea

P2 - 62

Constituents of Syringa Dilatata Flowers (Oleaceae)

Jung Eun Gwag, Yeong-Geun Lee and Nam-In Baek*

Graduate School of Biotechnology & Department of Oriental Medicine Biotechnology, Kyung Hee University, Yongin 17104, Republic of Korea

P2 - 63

Unusual β-Sitosterol Derivatives from the Young Shoots of Nypa fruticans <u>Sun-Woo Joo</u>, Jung-Hwan Ko, Hyoung-Geun Kim, Hyun-Ji Oh, Yeong-Geun Lee and Nam-In Beak* Graduate School of Biotechnology & Department of Oriental Medicine Biotechnology, Kyung-Hee University, Yongin 17104, Republic of Korea

P2 - 64

New Ursane-Type Triterpenoids from the Flowers of Rosa multiflora

<u>Hyun-Ji Oh</u>¹, Hyoung-Geun Kim¹, Sun-Woo Joo¹, Jung-Hwan Ko¹, Yeong-Geun Lee¹, Dae-Young Lee² and Nam-In Beak^{1*}

¹Graduate School of Biotechnology and Oriental Medicine Biotechnology, Kyung Hee University, Yongin 17104, Republic of Korea, ²Department of Herbal Crop Research, National Institute of Horticultural and Herbal Science, RDA, Eumseong 27709, Republic of Korea

P2 - 65

Annona squamosa L. Leaves Inhibits α -MSH-Stimulated Melanogenesis via P38 Pathway in B16F10 Melanoma Cells

Jeong Yong Moon¹, Gyeong-A Ko², Hye Rim Kang³ and Somi Kim Cho^{1,2,3*}

¹Subtropical Tropical Organism Gene Bank, Jeju National University, Jeju 63243, Republic of Korea, ²Faculty of Biotechnology, College of Applied Life Sciences, SARI, Jeju National University, Jeju 63243, Republic of Korea, ³Interdisciplinary Graduate Program in Advanced Convergence Technology and Science, Jeju National University, Jeju 63243, Korea

P2 - 66

Comparison of Total Phenolic Contents and Antioxidant Activities of Methanolic Extracts of Cacao Nibs, Flaxseed, Hempseed, Maca and Maqui Berries

<u>Le Van Manh Hung</u>¹, Hee Young Kim¹, Ji-yeon Ryu¹, Hyeon A Kim², Ji Hee Lim² and Somi Kim Cho^{1,3*} ¹School of Biomaterials Sciences and Technology, College of Applied Life Sciences, SARI, Jeju National University, Jeju 63243, Korea, ²Jekiss Co., Ltd., Research Institute, Jeju 63067, Korea, ³Subtropical/tropical organism gene bank, Jeju National University, Jeju 63243, Korea

P2 - 67

Improved Antioxidant Capacity of Gold Kiwifruit by Lactic Acid Bacteria Fermentation Yen Thi-Kim Nguyen¹, Ji-yeon Ryu², Hyun Jeong Park², So Yae Koh¹ and Somi Kim Cho^{1,2,3*}

¹Interdisciplinary Graduate Program in Advanced Convergence Technology and Science, Jeju National University, Jeju 63243, Korea, ²School of Biomaterials Sciences and Technology, College of Applied Life Sciences, SARI, Jeju National University, Jeju 63243, Korea, ³Subtropical/tropical organism gene bank, Jeju National University, Jeju 63243, Korea

P2 - 68

HPLC Isolate from *Voacanga* sp. Bark Extract Exhibited Cytotoxicity against Selected Cancer Cell Lines <u>Rachelle Anne S. Dante</u>^{1*} and Sonia D. Jacinto *Institute of Biology, University of the Philippines, Diliman, Quezon City, Philippines*

P2 - 69

Anti-HIV-1 Activities and Chemical Constituents from Leaves and Twigs of Santisukia pagetii (Bignoniaceae) Suphitcha Limjiasahapong¹, <u>Patoomratana Tuchinda</u>^{1*}, Vichai Reutrakul¹, Manat Pohmakotr¹, Radeekorn Akkarawongsapat², Jitra Limthongkul², Chanita Napaswad² and Narong Nuntasaen³

¹Department of Chemistry and Center of Excellence for Innovation in Chemistry, Faculty of Science, Mahidol University, Rama 6 Rd, Bangkok 10400, Thailand, ²Department of Microbiology, Faculty of Science, Mahidol University, Rama 6 Rd, Bangkok 10400, Thailand, ³The Forest Herbarium, Department of National Parks, Wildlife and Plant Conservation, Ministry of Natural Resources and Environment, Bangkok 10220, Thailand

P2 - 70

A Metabolomic Study: Effect of Curcuma comosa Roxb. in Ovariectomized Rats

Jetjamnong Sueajai¹, Nawaporn Vinayavekhin², Apichart Suksamrarn³ and <u>Pawinee Piyachaturawat⁴</u>*

¹Toxicology Graduate Program, Faculty of Science, Mahidol University, Bangkok Thailand, ²Department of Chemistry, Faculty of Science, Chulalongkorn University, Bangkok Thailand, ³Department of Chemistry, Faculty of Science, Ramkhamhaeng University, Bangkok, Thailand, ⁴Department of Physiology, Faculty of Science, Mahidol University, Bangkok Thailand

P2 – 71

Bark Extract and Fractions from an Endemic *Aglaia* Species (Meliaceae) Inhibits Proliferation of Selected Human Cancer Cell Lines

Norielyn N. Abalos^{1,2} and Sonia D. Jacinto^{1*}

¹Institute of Biology, University of the Philippines Diliman, 1101, Quezon City, Philippines, ²Department of Biology, University of San Carlos - Talamban Campus, Cebu City, Philippines

P2 - 72

Herbal Medicine Use by Cancer Patients: A Cross-Sectional Survey

Monthaka Teerachaisakul^{1*}, Rossukon Klinhom¹, <u>Kamonwan Bancheun</u>¹, Thananchanok Chamyenura², Nuchlada Rotchanaprapapan² and Amporn Krobthong³

¹Thai Traditional Medicine Research Institute, Department of Thai Traditional and Alternative Medicine, Ministry of Public Health, Thailand, ²Prachin Buri Provincial Health Office, Prachin Buri, Thailand, ³ Pathumvech Hospital, Pathumthani, Thailand

P2 - 73

Antispasmodic Activity of GCC Sub-Fractions from the Hexane Fraction of *Tabernaemontana pandacaqui* Poir. Leaves in ICR Mice

Charmaine R. Peredas and Elena S. Catap*

Institute of Biology, National Science Complex, University of the Philippines Diliman, Quezon City, Philippines

P2-74

Effect of Rhodomyrtone on Streptococcus suis Cell Division Checkpoint

<u>Apichaya Traithan</u>¹, Pongsri Tongtawe¹, Jeeraphong Thanongsaksrikul¹, Supayang P. Voravuthikunchai² and Potjanee Srimanote^{1*}

¹Graduate Study, Faculty of Allied Health Sciences, Thammasat University, Pathumtanee, Thailand, ²Department of Microbiology, Faculty of Science and Natural Products Research Center, Prince of Songkla University, Songkla, Thailand

P2 - 75

Chemical Constituents from *Crinum amabile* <u>Kanda Panthong</u>^{1,2*}

¹Department of Chemistry and Center of Excellence for Innovation in Chemistry, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand. ²Natural Product Research Center of Excellence, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand.

P2 - 76

Chemical Constituents from the Leave of Eucalyptus camaldulensis

Mareena Daus and Suda Chakthong*

Department of Chemistry, Faculty of Science and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand.

P2 - 77

In vivo Anti-Inflammatory Activity of Ethanolic wood Extract from Albizia myriophylla

<u>Nazneen Bakasatae</u>¹, Nongluk Kunworarath¹, Supayang P. Voravuthikunchai^{2,3} and Nantiya Joycharat^{1,2*}

¹Faculty of Traditional Thai Medicine, Prince of Songkla University, Songkhla, Thailand, ²Excellent Research Laboratory on Natural Products, Faculty of Science and Natural Product Research Center of Excellence, Prince of Songkla University, Songkhla, Thailand, ³Department of Microbiology, Faculty of Science, Prince of Songkla University, Songkhla, Thailand.

P2 - 78

Endotracheal Tube Embedded with Silver Nanoparticles Synthesized Using *Eucalyptus citriodora* Leave Extract Inhibits Bacterial Growth and Biofilm Formation

<u>Sakkarin Lethongkam¹</u>, Chalongrat Daengngam², Panuwat Srisamran², Supakit Paosen¹, Ratchaneewan Siri², Bodin Anantravanit³, Veerapong Vattanavanit³ and Supayang P. Voravuthikunchai^{1*}

¹Excellence Research Laboratory on Natural Products, Department of Microbiology, Faculty of Science and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand, ²Department of Physics, Faculty of Science, Prince of Songkla University, Songkhla 90110, Thailand, ³Department of Internal Medicine, Faculty of Medicine, Prince of Songkla University, Songkhla 90110, Thailand

P2 - 79

Effects of *Eleuterine americana* Bulb on Adhesion and Invasion of *Campylobacter* spp. in Cultured Caco-2 Cells Treechada Sirirak¹, Khadar Syed Musthafa², <u>Sakkarin Lethongkam</u>², Supreeya Yuenyongsawad³ and Supayang P. Voravuthikunchai^{1,2*}

¹Department of Microbiology, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand, ²Excellent Research Laboratory on Natural Products, Faculty of Science, and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand, ³Department of Pharmacognosy and Pharmaceutical Botany, Faculty of Pharmaceutical Sciences, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand

P2 - 80

Use of *Eleuterine americana* Bulb Extract as a Biocontrol Agent to Prevent *Campylobacter jejuni* Contamination in Broiler Products

Treechada Sirirak¹, Khadar Syed Musthafa², <u>Sakkarin Lethongkam</u>² and Supayang P. Voravuthikunchai^{1,2*} ¹Department of Microbiology, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand, ²Excellent Research Laboratory on Natural Products, Faculty of Science, and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand.

P2 - 81

Development and Analysis of Physical and Chemical Properties of Functional Food, Nata de Coco with Gac Fruit Filling

Nutjakan Rattanacharun¹, Singhaneit Phanaphitakkul¹ and <u>Somporn Tanskul^{1*}</u>

¹Department of Molecular Biotechnology, Faculty of Science, Prince of Songkla University, Hat Yai 90112 Thailand

P2 - 82

Biosynthesized Silver Nanoparticles Using Waste Materials from Industry against Foodborne Pathogens <u>Supakit Paosen</u> and Supayang P. Voravuthikunchai*

Excellence Research Laboratory on Natural Products, Department of Microbiology, Faculty of Science and Natural Product Research Center of Excellence, Prince of Songkla University, Hat yai, Songkhla, 90112, Thailand

P2 - 83

Safety Assessment of Rhodomyrtone on Human Erythrocytes, Invertebrate, and Vertebrate Animal Models for Industrial Applications

Thanyaluck Siriyong^{1,2}, Julalak Chorachoo², <u>Supakit Paosen²</u>, Sukanlaya Leejae³ and Supayang P Voravuthikunchai^{2,3*}

¹Faculty of Traditional Thai Medicine, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand, ²Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand,³Excellence Research Laboratory on Natural Products, Department of Microbiology, Faculty of Science, and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand

P2 - 84

In vivo Toxicological Evaluation of Rhodomyrtus tomentosa Leaf Extract to Assure Potential Applications in Health Care

Goodla Lavanya¹ and <u>Supayang P. Voravuthikunchai^{1,2*}</u>

¹Department of Microbiology, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand, ²Excellent Research Laboratory on Natural Products, Faculty of Science, and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla, 90112, Thailand

P2 - 85

Rhodomyrtus tomentosa (Aitton) Hassk. Leaf Extract and Rhodomyrtone: Potential Anti-Virulence Agents against *Streptococcus pneumoniae*

Watcharapong Mitsuwan and Supayang P. Voravuthikunchai*

Excellent Research Laboratory on Natural Products, Department of Microbiology, Faculty of Science and Natural Products and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand.

P2 - 86

Biological Activities of *Eucalyptus camaldulensis* Ethanolic Leaf Extract, an Alternative Potential Bio-Preservative Agent against *Listeria monocytogenes*

Ozioma Forstinus Nwabor¹, Kitiya Vongkamjan² and Supayang P. Voravuthikunchai^{1*}

¹Excellence Research Laboratory on Natural Products, Department of Microbiology, Faculty of Science and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand, ²Department of Food Technology, Faculty of Agro-Industry, Prince of Songkla University, Songkhla, Thailand.

P2 - 87

Clinical Evidence on the Efficacy and Safety of Formulation Containing Rhodomyrtone, a Novel Antibacterial Agent Isolated from *Rhodomyrtus tomentosa*: a Randomized, Double-Blind, and Placebo-Controlled Study

<u>Suttiwan Wunnoo</u>¹, Thanaporn Amnuaikit^{2,4}, Julalak Chorachoo¹, Sauvarat Auepemkiate³ and Supayang P. Voravuthikunchai^{1, *}

¹Excellence Research Laboratory on Natural Products, Department of Microbiology, Faculty of Science and Natural Product Research Center of Excellence, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand, ²Department of Pharmaceutical Technology, Faculty of Pharmaceutical Sciences, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand, ³Department of Pathology, Faculty of Medicine, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand.

P2 - 88

Ginsenosides Rg3 and Rh2 Regulate Lipid Accumulation in 3T3-L1 Adipocytes via Discrete Mechanisms Hyeona Ko, Hyun Ju Park and <u>Inhae Kang</u>* Department of Food Science and Nutrition, Jeju National University, Jeju, South Korea

P2 - 89

Antioxidant Property of Microencapsulation of Marigold (*Tagetes erecta* L.) Extract <u>Nakanyapatthara Jinda</u>* and Thidarat Maneerat

King Mongkut's Institute of Technology Ladkrabang, Prince of Chumphon Campus 17/1 Chumko District, Pathio, Chuphon 86160, Thailand

P2 - 90

Antioxidant Properties of Virgin Coconut Oil Microencapsulated by Spray Drying with Supercritical Carbon Dioxide

Nakanyapatthara Jinda* and Rutthairat Cheungjit

King Mongkut's Institute of Technology Ladkrabang, Prince of Chumphon Campus 17/1 Chumko District, Pathio, Chuphon 86160, Thailand

P2 - 91

Dual Effect of Blossoming Energy™ on Anti-Oxidant and Skin Moisturizing <u>Jeong Ah Hwang</u>, Yujin Oh, Nok Hyun Park, Tae Ryong Lee and Yongjin Jay Kim* Basic Research & Innovation Division, Amorepacific R&D Center, 1920 Yonggu-daero, Giheung-gu, Yongin-si, Gyeonggi-do, South Korea

P2 – 92

Catechol Inhibits Epithelial to Mesenchymal Transition and Enhances the Cytotoxic Effects of Gemcitabine in Pancreatic Cancer Cells

Ji-yeon Ryu¹, Jeong Yong Moon², Hee Young Kim¹ and Somi Kim Cho^{1,2,3*}

¹School of Biomaterials Sciences and Technology, College of Applied Life Sciences, SARI, Jeju National University, Jeju 63243, Korea, ²Subtropical Tropical Organism Gene Bank, Jeju National University, Jeju 63243, Republic of Korea, ³Faculty of Biotechnology, College of Applied Life Sciences, SARI, Jeju National University, Jeju 63243, Republic of Korea

P2 - 93

Enhancing Immunomodulatory Function of Red Ginseng through Fermentation Using *Bifidobacterium animalis* subsp. lactis LT 19-2 from Infant Feces

Jae Hwan Kim^{1,+}, Eun-Hee Doo^{2,+}, Minju Jeong¹, Seungil Kim³, Ki Won Lee¹, Chul Sung Huh^{2,3*} and Sanguine Byun^{4,*}

¹WCU Biomodulation Major, Dept. of Agricultural Biotechnology, Seoul National. University., Seoul, 08826, Republic of Korea, ²Research Institute of Eco-friendly Livestock Science, Institute of Green-Bio Science and Technology, Seoul National University, Pyeongchang 25354, Republic of Korea, ³Graduate School of International Agricultural Technology, Seoul National University, Pyeongchang 25354, Republic of Korea, ⁴Division of Bioengineering, Incheon National University, Incheon 22012, Korea

P2 - 94

Dihydrocapsaicin Inhibits Malignant Cell Transformation through Targeting Amino Acid Signaling and c-Fos

Expression

Ji Su Lee¹, Yeong A Kim^{2,3}, Young Jin Jang⁴ and <u>Sanguine Byun</u>^{1*}

¹Division of Bioengineering, Incheon National University, Incheon, Republic of Korea, ²NONGSHIM Co., Ltd, 112, Yeouidaebang-ro, Dongjak-gu, Seoul, Republic of Korea, ³Department of Agricultural Biotechnology, College of Agriculture and Life Sciences, Seoul National University, Seoul, Republic of Korea, ⁴Korea Food Research Institute, Wanju-gun, Jeollabuk-do 55365, Republic of Korea

P2 – 95

Variations of Fatty Acid Composition in 137 Accessions of Korean Rice Core Set Jae Ung Yang¹, Bin Ha¹, <u>Kanphassorn Wimonmuang</u>¹, Kyu-won Kim², Yong-Jin Park² and Young-Sang Lee^{1*} ¹Dept. of Medical Biotechnology, Soonchunhyang University, Asan 31538, Korea, ²Dept. of Plant Resources, Kongju National University, Yesan 32439, Korea

P2 - 96

Plant-Based, Multivitamin/Mineral, and Phytonutrient Supplementation Scavenges Reactive Oxygen Species in Healthy Subjects

Ji Yeon Kim¹, Seunghee Kang², Hye Yun Jeong², Yeni Lim² and Oran Kwon^{2*}

¹Department of Food Science and Technology, Seoul National University of Science and Technology, Seoul 139-743, Korea, ²Department of Nutritional Science and Food Management, Ewha Womans University, Seoul 03760, Republic of Korea

P2 - 97

The Yak-Kong Soybean (*Glycine max*) Extract Fermented by a Novel *Pediococcus pentosaceus* Inhibits the Oxidative Stress-Induced Monocyte-Endothelial Cell Adhesion

<u>Ji Seung Kim</u>¹, Sasikumar Arunachalam Palaniyandi², Charles C. Lee³, Ji Woo You¹, Hee Yang⁴, Jung Han Yoon Park^{4,6}, Jong Hun Kim^{4,6}*, Seung Hwan Yang^{5*} and Ki Won Lee^{1,4,7*}

¹Major in Biomodulation, Department of Agricultural Biotechnology, Seoul National University, Seoul, 08826, Republic of Korea, ²Department of Biotechnology, Mepco Schlenk Engineering College, Mepco Nagar, Mepco Engineering College Post-626005, Sivakasi, Tamilnadu, India, ³Department of Food Science, Cornell University, Ithaca, NY, 14853, USA, ⁴Research Institute of Agriculture and Life Sciences, Seoul National University, Seoul, 08826, Republic of Korea, ⁵Department of Biotechnology, Chonnam National University, Yeosu, Chonnam, 59626, Republic of Korea, ⁶Department of Food Science and Biotechnology, Sungshin University, Seoul, 01133, Republic of Korea, ⁷Advanced Institutes of Convergence Technology, Seoul National University, Suwon, 16229, Republic of Korea

P2 - 98

Bioactivity of Metabolites in Ginseng-Based Functional Foods

Jae Hwan Kim^{1,†}, Sanguine Byun^{2,†} and <u>Ki Won Lee^{1,*}</u>

¹WCU Biomodulation Major, Dept. of Agricultural Biotechnology, Seoul National. University., Seoul, 08826, Republic of Korea.; ²Division of Bioengineering, Incheon National University, Incheon 22012, Korea

P2 – 99

Dual Effect of Artemisia argyi Leaf Water on Anti-Inflammation and Skin Moisturizing <u>Eun Jung Lee</u>, Jin Sup Shim, Nok Hyun Park, Tae Ryong Lee and Yongjin Jay Kim* Basic Research & Innovation Division, Amorepacific R&D Center, 1920 Yonggu-daero, Giheung-gu, Yongin-si, Gyeonggi-do, South Korea