

Program

PS-02-p-300 Biological control of apple grey mould by two yeast isolates in combination with ammonium molybdate for production of healthy fruit

Hassan Reza Etebarian¹, Maral Azadrooh², Heshmatollah Aminian²
¹Islamic Azad University, Iran, ²University of Tehran, Iran

PS-02-p-301 Safety of Nanoparticles Evaluated as the Level of ROS In Vitro

Vivek Raju, Guowu Wang, Liping Wang, Wang Jin-Ye
 Shanghai Jiao Tong University, China

May 17 (Sunday)

Poster Session 03

AM Nutritional Biochemistry 5

- PS-03-a-001 Excess intake of alpha-tocopherol decreases extrahepatic phyloquinone concentration without change in blood coagulation and bone morphology**
 Fumiaki Hanzawa¹, Saki Nomura¹, Tomono Uchida², Mariko Sonoda³, Hiroko Ikegami³, Yoko Fujiwara³, Saiko Ikeda¹
¹Nagoya University of Arts and Sciences, Japan, ²Aichi Gakusen University, Japan, ³Ochanomizu University, Japan
- PS-03-a-002 Association between Serotonin Levels and Body Weight Gains on C57BL/6 Mice fed with Low- or High-fat Diets**
 Yi-Hsiu Chen, Bi-Fong Lin
 National Taiwan University, Taiwan
- PS-03-a-003 Maternal choline deficiency affects offspring health**
 Yoshiko Tsukuda, Yukino Miyachi, Takao Hashimoto, Kato Norihisa, Yanaka Noriyuki
 Hiroshima University, Japan
- PS-03-a-004 Effects of stress on the urinary concentration of trace elements in Japanese young women**
 Yukiko Mita, Maho Tomikawa, Asuka Natsume, Chiho Oshima, Junko Tsudzuki
 Sugiyama Jogakuen University, Japan
- PS-03-a-005 Effects on lipid metabolism by folate-deficiency in rats**
 Rieko Nakata, Megumi Kawabata, Hiroyasu Inoue
 Nara Women's University, Japan
- PS-03-a-006 Benefits of nutritional guidance for dietary management in patients with cardiovascular diseases**
 Sasagawa Michiyo¹, Yamamoto Kayo¹, Nakagawa Akihiko¹, Kajinami Kouji²
¹Kanazawa Medical University Hospital, Japan, ²Kanazawa Medical University, Japan
- PS-03-a-007 The benefits of vitamin micronutrient beverage(VCRESC) in nutritional management in diabetes patients**
 Yamamoto Tise¹, Yamamoto Kayo¹, Nakagawa Akihiko¹, Nakano Sigeru², Koya Daisuke³
¹Kanazawa Medical University Hospital, Japan, ²SHiKa Clinic, Japan
- PS-03-a-008 The effects of vitamin micronutrient beverage(VCRESC) on ESKD patients vitamin and homocysteine values after long term consumption, it is a case report**
 Takeshita Kingo¹, Yamamoto Kayo¹, Nakagawa Akihiko¹, Nakano Sigeru², Koya Daisuke³, Yokoyama Hitoshi⁴
¹Kanazawa Medical University Hospital, Japan, ²Shika Clinic, Japan, ³Kanazawa Medical University, Japan
- PS-03-a-009 The effects of vitamin micronutrient beverage(VCRESC) on oxidation stress marker and values in healthy subjects**
 Nakagawa Akhiko¹, Takeshita Kingo¹, Yamamoto Kayo¹, Yamamoto Tise¹, Kawahara Mitiyo¹, Koya Daisuke²
¹Kanazawa Medical University Hospital, Japan, ²Kanazawa Medical University, Japan
- PS-03-a-010 Clinical use of cyclooxygenase inhibitors impairs vitamin B-6 metabolism**
 En-Pei Chiang¹, Shu-Yu Huang¹, Feng-Yao Tang², HY Chang¹, ST Huang¹, HD Cheng¹, DY Chen³, JL Lan³, HM Chih⁴
¹National Chung Hsing University, Taiwan, ²China Medical University, Taiwan, ³Division of Allergy Immunology Rheumatology, ⁴Department of Nursing and Pediatrics

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- PS-03-a-011 Milk Enhances In Vitro Accessibility and Fractional Absorption of Zinc (FAZ) from High Phytate Intrinsically Labelled Rice in Humans**
Ranske Dekker¹, Alida Melse-Boonstra², Elise Talsma², Aditia Fitri^{1,2}, Ellen van den Heuvel¹, Esther Boelsma², Sou Chheng Ly², Tjeerd Jan Stomph², Christophe Zeder³, Diego Moretti³
¹Friesland Campina, Netherlands, ²Wageningen University, Netherlands, ³Swiss Federal Institute of Technology, Switzerland
- PS-03-a-012 Pterostilbene inhibits vascular smooth muscle cells migration and matrix metalloproteinase-2 through down-regulation JNK phosphorylation**
Hsing-Chun Lin
Chung Shan Medical University, Taiwan
- PS-03-a-013 Hemicellulose levels and sugar composition in pigmented Thai rice varieties**
Chisanucha Sattaponpan, Nusiri Lerdvuthisophon
Thammasat University, Thailand
- PS-03-a-014 Relation of quercetin metabolism and lipid excretion into bile juice in rats**
Naoto Hashimoto^{1,2}, Kazunori Sasaki², Shigenori Okuno², Kyu-Ho Han³, Michihiro Fukushima³
¹NARO Hokkaido Agricultural Research Center, Japan, ²NARO Kyushu Okinawa Agricultural Research Center, Japan, ³Obihiro University of Agriculture and Veterinary Medicine, Japan
- PS-03-a-015 A novel myogenic functional residing in the 5' non-coding region of Insulin receptor substrate-1 (Irs-1) transcript**
Hikaru Nagano^{2,3}, Naoko Yamagishi¹, Chisato Tomida², Yuushi Okumura³, Takeshi Nikawa², Shigetada Teshima-Kondo²
¹National Agriculture and Food Research Organization, Japan, ²Tokushima University Graduate School, Japan, ³Sagami Women's University, Japan
- PS-03-a-016 Nonalcoholic steatohepatitis is developed by a diet high in fat, sucrose, and cholesterol without increasing hepatic iron concentration in rats**
Katsuko Takai, Tohru Matsui, Masayuki Funaba
Kyoto University, Japan
- PS-03-a-017 Hinokitiol attenuates LPS-induced inflammation and insulin resistance in 3T3-L1 adipocytes**
Yun-Ying Su, Kai-Li Liu, Whei-Ling Chiang
Chung Shan Medical University, Taiwan
- PS-03-a-018 Quercetin enhances the vorinostat-induced apoptosis in H1299 cells through upregulation of p300 protein expression**
Shu-Ting Chan², Cheng-Hung Chuang¹, Shu-Lan Yeh²
¹Hungkuang University, Taiwan, ²Chung Shan Medical University, Taiwan
- PS-03-a-019 Effect of 2,3-Diketo-L-gulonic acid on cell growth**
Yuriko Shiobara¹, Haruna Miyakawa^{1,2}, Noriko Miyake², Tadao Kurata³, Seiichi Homma¹, Emiko Suzuki¹
¹Ochanomizu University, Japan, ²Tokyo Kasei Gakuin University, Japan, ³Niigata University of Pharmacy and Applied Life Sciences, Japan
- PS-03-a-020 The serum Secoisolarisresinol was highest among dietary lignans in serum in Toon City, Ehime, Japan : The Toon Health Study**
Mako Fukuda, Midori Matsuki, Shuhei Kajiwara, Isao Saito, Eri Eguchi, Koutatsu Maruyama, Hisashi Nishiwaki, Satoshi Yamauchi, Takeshi Tanigawa, Takuya Sugahara, Koichi Akiyama, Taro Kishida
Ehime University, Japan
- PS-03-a-021 Chemopreventive effects of polyphenols on malignant phenotypes induced by chronic inhibition of VEGF in colorectal cancer cells**
Shigetada Teshima-Kondo, Yano Chiaki, Yamagishi Naoko, Tomida Chisato, Aibara Kana, Abe Tomoki, Ohno Ayako, Nikawa Takeshi
Tokushima University, Japan
- PS-03-a-022 Integral Fatigue Marker Analysis by Comparison Among Serum, Salivary, and Questionnaire Indicators**
Kai Li Hsu¹, Han-Hsin Chang¹, Hsiu-Li Liu², Ching-Ho Huang², Pei-Cheng Lin¹, Cheng-Li Lu¹
¹Chung Shan Medical University, Taiwan, ²National Taiwan University of Physical Education and Sport, Taiwan
- PS-03-a-023 The relation between food intake and hypothalamus gene expression were observed in female rats fed diet containing soy isoflavone**
Tomoaki Izumi, Mina Fujitani, Asami Iwahara, Taro Kishida
Ehime University, Japan

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- PS-03-a-024 Continuous administration of viscous solution of high molecular weight dietary fiber thicken a gastric mucosa of mice efficiently**
Fumiyo Takabayashi
University of Shizuoka, Japan
- PS-03-a-025 Dietary phytic acid prevents fatty liver and affects the colonic environment in rats fed a high- sucrose diet**
Tetsuyuki Katayama
Institution of Life Sciences and Nutrition, Japan
- PS-03-a-026 Effect of Water Intake Levels on Linier Growth the Offspring Rats (Sprague dawley)**
Afrinia Ekasari Saifuddin Rum, Hardinsyah Hardinsyah Hardinsyah, Ikeu Tanziha Tanziha
Bogor Agricultural University, Insonesia
- PS-03-a-027 Pattern of macro and micro-nutrient intake among Bangladeshi type-2 diabetic and non diabetic subjects**
Farida Jasmine, Sharmin Hossain, Kaniz Fatema, Liaquat Ali
Bangladesh University of Health Sciences, Bangladesh
- PS-03-a-028 Amelioration of Fatty Liver Induced by Vitamin B₆-deficiency in Rats by Choline or PC**
Erina Kitagawa^{1,2}, Tatsuya Yamamoto¹, Kohei Yamamoto¹, Tomoyuki Nakagawa¹, Takashi Hayakawa¹
¹Gifu University, Japan, ²Nagoya Bunri University, Japan

AM **Nutritional Physiology 5**

- PS-03-a-029 Functional supplements containing ferulic acid and naturally-occurring antioxidants improve symptoms of not only cognitive dysfunctions but also swallowing difficulties**
Futoshi Ebara^{1,2}, Keiko Takagi¹, Yousuke Nagai², Hiroaki Murase⁴, Yuji Uzuhashi³, Kyoko Yoshida¹, Chidori Ebara¹, Kazunori Utsunomiya²
¹Takada Central Hospital, Japan, ²Tokyo Jikei University School of Medicine, Japan, ³Ina Food Industry Co., Ltd., Japan, ⁴Glovia CO., LTD., Japan
- PS-03-a-030 Microarray analysis of the functional RNAs in bovine milk whey-derived exosomes and their effects on human macrophages**
Hirohisa Izumi¹, Muneya Tsuda¹, Yohei Sato¹, Nobuyoshi Kosaka², Takahiro Ochiya², Hiroshi Iwamoto¹, Kazuyoshi Namba¹, Yasuhiro Takeda¹
¹Morinaga Milk Industry Co., Ltd., Japan, ²National Cancer Center Research Institute, Japan
- PS-03-a-031 Effects of parental folate deficiency on the folate content, global DNA methylation the postnatal rat liver**
Karen Kay R. Mejos¹, Hye Won Kim², Eun Mi Lim², Namsoo Chang²
¹Philippine Women's University, Philippines, ²Ewha Womans University, Korea
- PS-03-a-032 Relationship between long-term chlorella consumption and lipid metabolism in male adults: global gene expression analysis and findings from MTHFRC677T**
Masaki Fujishima¹, Onishi Masato¹, Kobayashi Michie², Nakamura Seiji², Takekoshi Hideo¹
¹Sun Chlorella Corp., Japan, ²DNA Chip Research inc.,
- PS-03-a-033 The long term intake of yogurt and postprandial blood glucose level are associated with diabetes related SNPs**
Daiki Watanabe, Sachi Kuranuki, Akiko Suntou, Kenji Toyama, Teiji Nakamura
Kanagawa University of Human Services, Japan
- PS-03-a-034 Analysis of genetic polymorphism of human bitter-taste receptor TAS2R and glutathione-S-transferases (GSTs) and bitter taste palatability**
Michiko Yamaki, Hiroki Saito, Kunio Isono, Hitoshi Shirakawa, Tomoko Goto, Michio Komai
Tohoku University, Japan
- PS-03-a-035 Cocoa polyphenols treatment can attenuate body weight gain and abdominal fat accumulation in high-fat diet induced obese rats**
Amin B. Ismail, Ali H.H Faisal, Norhaizan B. Mohd-Esa, Pei-Pei Chong
Universiti Putra Malaysia, Malaysia
- PS-03-a-036 Comprehensive proteome study of the effects of chlorogenic acid on energy metabolism in HepG2 cells**
Shoko Takahashi, Hisanori Kato
The University of Tokyo, Japan

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- PS-03-a-037 Genome-wide methylation analysis of transgenerational effects of maternal protein restriction on salt sensitivity in SHRSP rats**
Lila N Otani¹, Masayuki Sato¹, Kenji Saito¹, Fumihito Miura², Katsuhiko Shirahige¹, Takashi Ito², Hisanori Kato¹
¹The University of Tokyo, Japan, ²Kyushu University, Japan
- PS-03-a-038 Effects of dietary iron status on the gene expression profile in rat liver**
Asuka Kamei¹, Yuki Watanabe¹, Fumika Shinozaki¹, Soichi Arai², Keiko Abe³
¹Kanagawa Academy of Science and Technology, Japan, ²Tokyo University of Agriculture, Japan, ³The University of Tokyo, Japan
- PS-03-a-039 The Establishment of High-Throughput Analysis System of Multiple Enzyme Activities for the Promotion of Nutri-Omics Study**
Kenji Saito, Hisanori Kato
The University of Tokyo, Japan
- PS-03-a-040 Development of systems for measuring and analyzing electrocardiogram and heart rate variability using a system development software**
Yoshimitsu Okita¹, Kumiko Ohara^{2,3}, Kazuhiko Ishihara⁴, Yutaka Taira⁴, Motoko Takaoka², Motohiko Kimura¹, Toshifumi Sugiura¹, Harunobu Nakamura²
¹Shizuoka University, Japan, ²Kobe University, Japan, ³Research Fellow of Japan Society for the Promotion of Science, Japan, ⁴PERITEC Corp, Japan
- PS-03-a-041 Plasma Levels of Advanced Glycation End Products during Pathogenic Progress of Diabetes in Spontaneously Diabetic Torii Rats**
Sijing Chen, Toshiro Matsui, Mitsuru Tanaka, Chiwa Aikawa
Kyushu University, Japan
- PS-03-a-042 Circadian Rhythm Genes *CLOCK* and *PER3* Polymorphisms and Morning Gastric Motility in Humans**
Mitsue Yamaguchi¹, Kazuhiko Kotani², Kokoro Tsuzaki³, Maki Suzuki⁴, Ikuyo Hayashi⁴, Naoki Sakane³, Toshio Moritani⁵, Narumi Nagai⁴
¹Yamagata Prefectural Yonezawa University, Japan, ²Jichi Medical University, Japan, ³Kyoto Medical Center, Japan, ⁴University of Hyogo, Japan, ⁵Kyoto University, Japan
- PS-03-a-043 Guar gum-xanthan gum mixture reduces hepatic lipids in rats fed high fat-sucrose diet**
Yukiko Yamamoto, Yurika Tanaka, Kana Yamamoto
Tokai Gakuen University, Japan
- PS-03-a-044 Green tea beverage influences the spontaneous locomotor activity, intakes of food and water in juvenile mice loaded with isolation stress**
Takako Yamato, Tomomi Matsuoka, Atsuko Nishimori, Ryosuke Nigo, Masahiro Aomine
Nakamura Gakuen University, Japan
- PS-03-a-045 Effects of chronic exercise on the exocrine and endocrine pancreas in WBN/Kob-Fatty rats**
Kumiko Minato¹, Yoko Shiroya¹, Yuka Kurosaka¹, Hideki Yamauchi²
¹Wayo Women's University, Japan, ²The Jikei University School of Medicine, Japan
- PS-03-a-046 Oral administration of Sea buckthorn (*Hippophae rhamnoides*) pulp oils restores tear secretion capacity in a mouse dry eye model**
Nakamura Shigeru¹, Kimura Yuki², Daisuke Mori², Michiko Shibuya¹, Kazuo Tsubota¹
¹Keio University School of Medicine, Japan, ²Gifu Shellac Manufacturing Co., Ltd, Japan
- PS-03-a-047 An irregular feeding schedule affects daily rhythms of hepatic genes expression on lipid metabolism in rats**
Yuka Nishida¹, Kanae Ideguchi², Shiori Osaka³, Nahoko Nouzawa⁴, Asami Maeda⁵, Hideo Kato⁵
¹Prefectural University of Hiroshima, Japan, ²Kawasaki University of Medical Welfare, Japan, ³Mitoyo General Hospital, Japan, ⁴National Hospital Organization Yamaguchi-Ube Medical Center, Japan, ⁵Tohoku Women's College, Japan
- PS-03-a-048 The trial for amelioration of cold constitution using menopause-model rats**
Ryosuke Nigo, Atsuko Nishimori, Tomomi Matsuoka, Takako Yamato, Masahiro Aomine
Nakamura Gakuen University, Japan
- PS-03-a-049 Acceptability of measurement of resting energy expenditure using a new device with mouthpiece in young women**
Nozomi Morikawa, Yasue Nakagawa
Jissen Women's University, Japan

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- PS-03-a-050 Effective Suppression of Adipose Tissue Weight Gain in Rats by Awa Indigo Plant (Awa-ai) Consumption**
Maki Kondo, Hiroko Tsuji, Miyuki Iwata, Mayuka Kunimatsu
Shikoku University, Japan
- PS-03-a-051 Usefulness of breakfast intake for the change of cerebral blood flow dynamics and stress index**
Satoko Abe, Amane Otaki, Eiichi Geshi
Showa University, Japan
- PS-03-a-052 Effects of aspirin on inflammation, muscle damage and histopathological changes of the liver after exhaustive exercise in rats**
Kuo-Chin Huang¹, Tsai-Jung Ho², Tai-Ger Hsu³, Yi-Han Chiu⁴
¹Mackay Medical College, Taiwan, ²Ming Chuan University, Taiwan, ³University of Taipei, Taiwan, ⁴National Taiwan Ocean University, Taiwan
- PS-03-a-053 Effect of Casein on Toxicity of Arsenic in Rats**
Deng-Fwu Hwang, Chien-Te Chou
National Taiwan Ocean University, Taiwan
- PS-03-a-054 Skipping breakfast affects diurnal rhythm of salivary biomarkers in Japanese university students**
Izumi Sakaban¹, Tayamoto Tomoko¹, Ichida Shiori¹, Wakamura Tomoko², Komenami Naoko¹
¹Kyoto Women's University, Japan, ²Kyoto University, Japan
- PS-03-a-055 Effects of Japanese dietary pattern on defecation and metabolic gene expression in young Japanese women**
Rieko Mitamura¹, Aki Ueda¹, Koji Hasegawa², Akio Obata²
¹Fuji Women's University, Japan, ²Kikkoman Corporation, Japan
- PS-03-a-056 Transcriptomic and metabolomic analyses depicted distinct characteristics between slow-twitch and fast-twitch muscles in mice**
Shoko Sawano¹, Yuri Tajima¹, Johan Rung², Mako Nakamura¹, Ryuichi Tatsumi¹, Yoshihide Ikeuchi¹, Wataru Mizunoya¹
¹Kyushu University, Japan, ²Uppsala University, Sweden

AM Food Science 5

- PS-03-a-057 Use of low and moderate high hydrostatic pressure at subzero temperatures for inactivation of Escherichia coli in milk**
Sami Bulut, Ceren Pekgirtine
Trakya University, Turkey
- PS-03-a-058 Influence of Dietary Propolis Residue on Bacterial Flora in the Cecum of Barred Plymouth Rock**
Ken R. Ito¹, Chinami Akamine², Wataru Kawada³, Yoichiro Shimura³, Tamio Inamoto³, Kazumi Kita^{1,2}
¹Iwate University, Japan, ²Akita Prefectural University, Japan
- PS-03-a-059 Impact of Synergistic food-gums system on yield and quality properties of Low fat pickled Domiati cheese**
Ahmed Helal¹, Alnemr M Tareq²
¹Damanhour University, Egypt, ²Alexandria University, Egypt
- PS-03-a-060 Effect of Synergized filler as protein base substitution on technological properties of Low-Fat Spreadable processed cheese analogue**
Tareq M Alnemr
Alexandria University, Egypt
- PS-03-a-061 Iron and zinc biofortified rice by the introduction of various genes involved in iron and zinc homeostasis in plants**
Hiroshi Masuda¹, May Sann Aung¹, Takanori Kobayashi¹, Hiromi Nakanishi², Naoko K. Nishizawa¹, Naoko K. Nishizawa²
¹Ishikawa Prefectural University, Japan, ²The University of Tokyo, Japan

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- PS-03-a-062 Impact Of Intervention Strategies On Anaemic Adolescent Girls** Anooja Thomas K and Ramya R
Anooja Thomas Anooja, Ramya R Ramya
CMS College Mahatma Gandhi University, India
- PS-03-a-063 Oral tributyrin attenuates lipopolysaccharide-induced intestinal injury especially in jejunum and ileum via down regulation of toll like receptor 4**
Makoto Miyoshi¹, Mayu Fujiwara¹, Motoki Kai¹, Yuya Nishiyama¹, Michiko Aoyama-Ishikawa¹, Noriaki Maeshige¹, Hayato Yamashita¹, Yuka Koga¹, Makoto Usami^{1,2}
¹Kobe University, Japan, ²Kobe University Hospital, Japan
- PS-03-a-064 Fortification Effects of FeSO₄ and ZnCl₂ on Iron and Zinc Contents of Symbiotic Goat Milk Yogurt**
Binar B Panunggal, Andri Widarta Wong
Diponegoro University, Indonesia
- PS-03-a-065 Study on the effect of an amino acids-containing beverage on psychological stress reduction in healthy adult women**
Motoko Takaoka¹, Kyoko Suzuki¹, Masaru Ohtani², Taizo Seki³, Takahito Tetsui³, Seiji Kurita³, Masahiko Ooe⁴
¹Kobe College, Japan, ²The University of Tokyo, Japan, ³Noevir Co., Ltd., Japan, ⁴TOKIWA Pharmaceutical Co., Ltd., Japan
- PS-03-a-066 The addition of beeswax elevates the absorption of triglycerides with EPA and DHA**
Nakamichi Watanabe¹, Satomi Oshino¹, Yu Ikeda¹, Kono Takayuki²
¹Showa Women's University, Japan, ²Yamada Bee Company, Inc., Japan
- PS-03-a-067 Chronic chlorella administration increases plasma nitrite/nitrate level in obese type 2 diabetic rats**
Shumpei Fujie¹, Koji Sato¹, Natsuki Hasegawa¹, Naoki Horii¹, Toru Mizoguchi², Masato Onishi², Motoyuki Iemitsu¹
¹Ritsumeikan University, Japan, ²Sun Chlorella Corp., Japan
- PS-03-a-068 Growth Maintenance after Discontinuation of an Assigned Treatment with either Oral Nutritional Supplementation or Dietary Counseling in Nutritionally at-Risk Children**
Dieu TT Huynh¹, Apurba Ghosh², Bala Kishore³, Yen Ling Low¹
¹Abbott Nutrition Research and Development, Singapore, ²Institute of Child Health, ³St Theresas Hospital
- PS-03-a-069 Soy protein diet prevents eccentric contraction-induced calpain activation and force depression**
Keita Kanzaki¹, Daiki Watanabe², Yuya Ishii², Katsutoshi Hirano², Masanobu Wada²
¹Kurashiki Sakuyo University, Japan, ²Hiroshima University, Japan
- PS-03-a-070 The disposition of dietary-derived flavonoids after consuming the flavonoid-enriched meals in humans**
Ryo Mannen, Michiko Yasuda, Takahiro Hosoya, Ayami Sano, Sigenori Kumazawa, Toshinao Goda, Kayoko Shimoi, Yoko Ichikawa
University of Shizuoka, Japan
- PS-03-a-071 Nutritional factors associated with improved growth in nutritionally at-risk children who received long-term oral nutritional supplementation**
Yen Ling Low¹, Dieu TT Huynh¹, Elvira Estorninos², Rosario Capeding², Jeffery S. Oliver³, Francisco J. Rosales³
¹Abbott Laboratories, Singapore, ²Asian Hospital and Medical Center, Philippines, ³Abbott Nutrition, Abbott Laboratories, USA
- PS-03-a-072 Absorption and distribution of water-soluble formulation of lutein into human blood**
Junya Kobayashi¹, Etsuko Tominaga¹, Satoko Miyazaki¹, Masahiro Kurono¹, Makoto Ozeki¹, Tsutomu Okubo¹, Kiyotaka Nakagawa², Teruo Miyazawa²
¹Taiyo Kagaku Co. Ltd., Japan, ²Tohoku University, Japan
- PS-03-a-073 Impact of Iron Fortified Rice on the micronutrient status of reproductive age Vietnamese women**
Thuy Van Pham², Nga Thuy Tran², Yukiko Nakanishi¹
¹ILSI Japan CHP, Japan, ²National Institute of Nutrition, Viet Nam

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- PS-03-a-074 Impact of Vitamin D Fortified Milk Supplementation on Vitamin D Status of Healthy School Children Aged 10-14 Years**
Manfred Eggersdorfer
DSM Nutritional Products, Switzerland
- PS-03-a-075 Biotin and carnitine contents of infant formulas manufactured in China and Japan**
Wanti Shen¹, Masahiro Yuasa¹, Hiromi Sawamura¹, Fumihito Nozaki², Toshiaki Watanabe¹
¹University of Hyogo, Japan, ²Shiga Medical Center for Children, Japan
- PS-03-a-076 Analysis of the Factors of Taking Supplements on the College Students**
Masamichi Yamashita¹, Junko Ito²
¹Nihon University Junior College, Japan, ²Yokohama College of Pharmacy, Japan
- PS-03-a-077 Amorphous Curcumin Dispersions Has a High Absorption Potency in Human-A Double Blind, Randomized, 4-Way Crossover Study-**
Nobuko Okamura¹, Yoichi Sunagawa^{1,2}, Yasufumi Katanasaka^{1,2}, Hiromichi Wada², Atsushi Imaizumi⁴, Tadashi Hashimoto⁴, Akira Shimatsu², Hideaki Kakeya⁵, Koji Hasegawa², Tatsuya Morimoto^{1,3}
¹University of Shizuoka, Japan, ²Kyoto Medical Center, Japan, ³Shizuoka General Hospital, Japan, ⁴Theravalues Corporation, Japan, ⁵Kyoto University, Japan
- PS-03-a-078 Effect of soy isoflavone supplementation on climacteric symptoms, bone turnover markers, and quality of the life in Korean postmenopausal women**
Hansongyi Lee, Ryowon Choue, Hyunjung Lim
Kyung Hee University, Korea
- PS-03-a-079 Toxicity Test of Copper- Chlorophyll Derivative Powder (Cu-Chlorophyllin) from Mulberry Leaf (Morus Alba L.) as Prototype Material for Food Supplement**
Clara M. Kusharto¹, Risti Rosmiati¹, Nunuk M. Januwati²
¹Bogor Agricultural University, Indonesia, ²Balai Penelitian Tanaman Rempah dan Obat, Indonesia
- PS-03-a-080 An Analysis of Allergen Contamination of Non-Allergen Food Preparation in a Home Setting**
Naoko Okishima, Minami Aoyama, Miho Ogura, Yuki Miyazawa, Mari Endoh, Nao Mochizuki, Matsushita Satomi, Shin-ya Mezaki
Matsumoto University, Japan
- PS-03-a-081 A Chemical Engineering Perspective Towards Food and Nutrition Research**
Kok Ping Chan
Institute of Chemical and Engineering Sciences, Singapore
- PS-03-a-082 Enterotoxin A production by *Staphylococcus aureus* in a liquid medium and cooked rice**
Satomi Tsutsuura, Masatsune Murata
Ochanomizu University, Japan
- PS-03-a-083 Search of putative compounds that induce hepatic cytochrome P450 and fatty liver in *Coleus forskohlii* extract**
Kaori Yokotani, Tsuyoshi Chiba, Sachina Suzuki, Keizo Umegaki
Information Center, National Institute of Health and Nutrition, Japan
- PS-03-a-084 Microbiological Evaluation Of Food Premises Contact Surfaces In Kota Kinabalu Based On Grading System**
Maslinah Dullah^{1,2}, Sharifudin Md Shaarani^{1,2}
¹Faculty of Food Science And Nutrition, ²University Malaysia Sabah, Malaysia
- PS-03-a-085 Effects of Germination Conditions on Gamma-Aminobutyric Acid and Glutamate Contents of Germinated Brown Rice**
Shirao Mika, Kana Sakaida, Makoto Tajima
Jissen Women's University, Japan
- PS-03-a-086 The effect of exercise on digestibility and absorbability**
Hidehiko Izumi, Chikako Yamada
Nagoya University of Arts and Sciences, Japan
- PS-03-a-087 The potential applicability of MALDI-MS to metabolic profiling of diverse green tea extracts with antioxidant activity**
Yoshinori Fujimura, Asako Nakamura, Daichi Yukihira, Rie Nishimuta, Tomomi Ichinose, Eisuke Hayakawa, Daisuke Miura, Hiroyuki Wariishi, Hirofumi Tachibana
Kyushu University, Japan

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- PS-03-a-088 Nutritional components in Voi: traditional tea in Vietnam**
Yuki Motoo, Tetsuya Takao
Showa Woman's University, Japan
- PS-03-a-089 Effects of soybean *Monascus* koji on the bread physical properties**
Mami Takahashi, Takashi Mastumoto
Showa Women's University, Japan
- PS-03-a-090 Exploration of novel herb seed oil containing conjugated linolenic acid**
Taro Honma, Yuki Banno, Tsutomu Takayanagi
Tokyo University of Technology, Japan
- PS-03-a-091 Nutrient Claims on Indian Packaged Foods: Do They Meet the Substantiation Criteria of Codex Alimentarius?**
Meenu Singh, Suneeta Chandorkar
The M.S. University of Baroda, India
- PS-03-a-092 Effects of protein functionalities on mimicing the gluten structure in gluten-free crackers**
Natthakarn Nammakuna¹, Puntarika Ratanatriwong¹, Sheryl Barringer², Parita Thanasukarn¹
¹Naresuan University, Thailand, ²The Ohio State University, USA
- PS-03-a-093 Oral administration of bovine colostrum whey protein attenuates UVB-irradiated skin damage in hairless mice**
Hitomi Kakita¹, Shumpei Okubo¹, Mai Murata², Yoshihiro Nomura¹, Mutsuto Watanabe¹
¹Tokyo University of Agriculture & Technology, Japan, ²Morinaga Milk Industry Co., Ltd., Japan
- PS-03-a-094 Novel application of Katsura-uri fruit (*Cucumis melo* var. *conomon*) in differentiation-inducing, antimutagenic, and antioxidative effects of sulfur-containing fragrant ingredients**
Yasushi Nakamura^{1,2}, Azusa Sasaki¹, Tomoaki Matsuo¹, Koji Shirota², Noboru Suetome², Eun Young Park¹, Kenji Sato³, Shigehisa Okamoto⁴
¹Kyoto Prefectural University, Japan, ²Kyoto Prefectural Agricultural Research Institute, Japan, ³Kyoto University, Japan, ⁴Kagoshima University, Japan
- PS-03-a-095 Satiety and Glycemic Indexes of Unpolished Philippine Modern Rice Varieties**
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- PS-03-a-144 Protection of Sulforaphane on LPC Induced Injury of Vascular Endothelial Cell by Regulating Endogenous Antioxidants and Phase 2 Enzymes**
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- PS-03-a-096 Comparative study of clinical data and nutrient intakes by abdominal visceral fat area classification in rugby football players**
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- PS-03-a-097 Characteristics of oral allergy syndrome (OAS) patients by citrus fruit and allergenic cross-reactivity with pollen in Japan**
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- PS-03-a-098 Investigating the Possibility of Tocotrienol-Rich Fraction in the Maintenance of Bone Quality - A Preliminary Study**
Kakeru Kono, Masako Ota, Tomohiro Yano
Toyo University, Japan
- PS-03-a-099 Effect of dietary citric acid on hypoxia-induced alterations in carbohydrate metabolism**
Yurie Hara, Nakamichi Watanabe
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- PS-03-a-100 The effect of soy yoghurt with synbiotics and plant stanol on postprandial glycemia and satiety in healthy subjects**
Suphannee Insorn, Chatrapa Hudthagosol
Mahidol University, Thailand
- PS-03-a-101 The Effect of Different Types of Sugar and Sweetener on Postprandial Glycemic Response**
Pachsiree Lhaothong, Chatrapa Hudthagoso, Promluck Somboonpanyakul, Sirichai Adisakwattana
Mahidol University, Thailand
- PS-03-a-102 Beneficial effects of consuming a well-balanced breakfast with an egg on daily nutritional intakes and blood parameters in young females**
Chie Taguchi¹, Yoshimi Kishimoto¹, Norie Suzuki-Sugihara¹, Emi Saita¹, Mika Usuda², Yui Ou², Kazuo Kondo¹
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- PS-03-a-103 Nutritional Predictors of Immune Status for People living with HIV receiving Antiretroviral Therapy (ARV) in Malaysia**
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- PS-03-a-104 Associations of serum homocysteine concentrations with biological and nutritional markers in pre-and postmenopausal Japanese women**
Hitomi Miyazaki, Hiromi Ueno, Katsumi Imai, Shimako Abe, Takashi Masuda, Ririko Moriguchi, Hiroko Tsuda, Masako Iwamoto, Eri Nakazono, Misaki Ono, Masayo Obe, Emi Omuta, Kana Iwamoto, Ryoko Goromaru, Shuji Nakano
Nakamura Gakuen University, Japan
- PS-03-a-105 Association between consumption of a supplement containing HMB and the rate of collagen in tissue in pressure ulcer patients**
Shizu Higasa¹, Shoichi Ishikawa², Masataka Saito¹, Yukiko Suda², Shigeru Ichioka²
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- PS-03-a-106 Skatole, an intestinal bacteria-derived dietary protein metabolite, increases concentration of fecal deoxycholic acid-related bile acids and ileal taurocholic acid**
Takuma Nose¹, Hidehisa Shimizu¹, Masahito Hagio², Ja-Young Lee¹, Nanako Baba¹, Satoru Fukiya¹, Atsushi Yokota¹, Hiroshi Hara¹, Satoshi Ishizuka¹
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- PS-03-a-107 Status of food and nutrient intake assessment using visual estimation method in hospitals: A qualitative study**
Yui Kawasaki (nee Anasako), Yui Kojima, Rie Akamatsu
Ochanomizu University, Japan
- PS-03-a-108 Pterostilbene attenuated the hexavalent chromium-induced allergic contact dermatitis through suppression of inflammation and skin cells cytotoxicity**
Hsiu-Min Chen¹, Yu-Hsuan Lee¹, Yung-Lin Li¹, Ying-Jan Wang¹, Bour-Jr Wang^{2,3}
¹National Cheng Kung University, Taiwan, ²National Cheng Kung University Hospital, Taiwan, ³Chia Nan University of Pharmacy and Science, Taiwan
- PS-03-a-109 Influence of the new removable partial dentures on the nutritional intakes**
Hiroyuki Suzuki¹, Manabu Kanazawa¹, Yuriko Komagamine¹, Noriko Amagai¹, Akemi Hosoda², Shunsuke Minakuchi¹
¹Tokyo Medical and Dental University, Japan, ²Tokyo Healthcare University, Japan
- PS-03-a-110 The influence of the periodontal status on dietary intake and in young females**
Akemi Hosoda^{1,2}, Manabu Kanazawa², Yohei Hama², Yuriko Komagamine², Akiko Kojo¹, Shunsuke Minakuchi²
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- PS-03-a-111 Dietary intake and its potential role in comorbidities in patients with rheumatoid arthritis**
Kayo Masuko¹, Yuki Mizukami¹, Mayu Okuhara¹, Nozomi Okubo¹, Shigeto Tohma², Toshihiro Matsui²
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- PS-03-a-112 Effect of breakfast on cerebral blood flow in the temporal region during a facial memory task**
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- PS-03-a-113 The nutritional care in patient with Anti-NMDA receptor encephalitis :A case report**
Wen-Tzu Yun, Shu-Ling Tsai, Chao-Liang Chou
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- PS-03-a-114 Nutritional Assessment and Dietary Intake of Home Care Patients**
Taeko Tsuji¹, Kazuyo Yamasaki², Kumiko Kato¹, Daiki Habu¹
¹Osaka City University, Japan, ²Nishinomiya Social Welfare Corporation, Japan
- PS-03-a-115 Body Mass Index as the Predictor of High Sensitivity C-Reactive Protein: A Risk Marker of Cardiovascular Disease**
Rosita Jamaluddin, Norshafawati Abd Azimi, Norhaizan Mohd Esa
Universiti Putra Malaysia, Malaysia
- PS-03-a-145 Kersen and Cincau Jelly as an Alternative Food for Patients with Diabetes Mellitus**
Indana Bintan Dzakiyyah, Qonitah Azzahra, Alfu Nikmatul Laily, Ajeng Mustika
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- PS-03-a-116 Measurement of body composition on university American football players**
Hideki Shiba, Yuya Kakutani, Naomi Omi
University of Tsukuba, Japan
- PS-03-a-117 Waist to Height Ratio: A Better Predictor of Cardiometabolic Risk in an Apparently Healthy Population from University Campus of Vadodara**
Suneeta S. Chandorkar, Asmi Shah
The M.S. University of Baroda, India
- PS-03-a-118 Association between daily salt intake estimated from spot urine and the brief-type self-administered diet history questionnaire**
Yae Iriyama, Osamu Kushida, Nobuko Murayama, Toshiko Saitou, Hitomi Koito, Rie Sakai, Haruka Takidera, Masatomo Tomono
Niigata University of Health and Welfare, Japan
- PS-03-a-119 The comparison of nutrient density score and nutrient-to-price between fruits as snack and usual Indonesian snack**
Nia Novita Wirawan, Widya Rahmawati, Ilmia Fahmi, Anggun Rindang Cempaka
University of Brawijaya, Indonesia
- PS-03-a-120 Nutritive cost-effectiveness of Japanese food based on the National Retail Price Survey supplemented by data collected from supermarkets**
Yuko Hasegawa
Kurashiki Sakuyo University, Japan
- PS-03-a-121 Nutritional and Physical Activity Status among Adults in Selected Neighbourhoods in Kota Bharu, Malaysia: Sitting Time and Steps Achieved**
Lee Yi Yi, Wan Abdul Manan Wan Muda
Universiti Sains Malaysia, Malaysia
- PS-03-a-122 Diabetes-friendly foods to enhance the convenience of eating out**
Wenfeng Li, Shihui Lo
Taoyuan general hospital, Ministry of Health and Welfare, Taiwan
- PS-03-a-123 Predictors of reducing low-density lipoprotein cholesterol (LDL-C) among Thai HIV-infected adults receiving antiretroviral regimen for at least 3 months**
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- PS-03-a-124 Spatial Distribution of Obesity in Brazilian Urban Area**
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- PS-03-a-125 An Investigation Study on Exercise, Sleep, and Dietary Habits in Junior High-School Students**
Noriko Takahashi
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- PS-03-a-126 Associations Among Daily Breakfast Intake, Risk Of The Metabolic Syndrome, And Academic Performance In Taiwanese Children**
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- PS-03-a-127 Comparison of bone quality with Quantitative Ultrasound and Dual Energy X-ray Absorptiometry in Thai children**
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- PS-03-a-128 Association of the frequency of meals combined "Shushoku," "Shusai," and "Hokusai" with dietary intake among Japanese young adults**
Yuya Kakutani, Saori Kamiya, Naomi Omi
University of Tsukuba, Japan
- PS-03-a-129 Maternal-Paternal Pre-Pregnancy Obesity Associated with Offspring Obesity in Long Term**
Nurzalinda Zalbahar¹, Abdullah Mamun¹, Jake Najman², David Harold Mcintyre³
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- PS-03-a-130 Temporal changes in body mass index and the prevalence of overweight in Japanese adults from 1976 to 2010**
Makiko Nakade, Eri Imai, Shino Imai, Hisako Tanaka, Hidemi Takimoto
National Institute of Health and Nutrition, Japan
- PS-03-a-131 Trend of the Prevalence of Diabetes Mellitus in Japanese Adults: an analysis of the National Health and Nutrition Surveys, 2002-2012**
Eri Imai, Makiko Nakade, Hisako Tanaka, Shino Imai, Hidemi Takimoto
National Institute of Health and Nutrition, Japan
- PS-03-a-132 Relationships between glycemic index, glycemic load and metabolic syndrome in community-dwelling Japanese: the Hisayama study**
Kazuhiro Uchida¹, Tomoko Shiota¹, Toshiharu Ninomiya², Yutaka Kiyohara²
¹Nakamura Gakuen University, Japan, ²Kyushu University, Japan
- PS-03-a-133 Is pancreatic cancer risk associated with consumption of fruits, vegetables and seaweeds (sea vegetables)?: Ohsaki Cohort Study**
Michiko Shigihara¹, Taku Obara¹, Masato Nagai¹, Yumi Sugawara¹, Takashi Watanabe¹, Masako Kakizaki¹, Yoshikazu Nishino², Shinichi Kuriyama¹, Ichiro Tsuji²
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- PS-03-a-134 Relationship between skipping breakfast and staying up late, pre-bedtime snacking in schoolchildren**
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¹Nagoya Keizai University, Japan, ²Japan Ground Self Defense Force Camp Itami, Japan
- PS-03-a-135 The relationship between n-3 PUFA intake and exposure to PCB and methylmercury from seafood in a POPs reduction intervention study**
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- PS-03-a-136 Eicosapentaenoic acid intake may reduce the risk of posttraumatic stress disorder after the Great East Japan Earthquake and Tsunami**
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- PS-03-a-137 Food craving frequency of Eating Disorder prone in Japanese women**
Mikiko Sekiya, Yasuo Kagawa
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- PS-03-a-138 Effect of protein intervention on nutritional status in patients**
Yi-Chen Huang, Hsiang Cheng Chiu, Hui Shan Tung, Pey Yuh Lai, Mei Ya Hsu, Chin Hua Liu, Ching Chuan Hsieh
Chiayi Chang Gung Memorial Hospital, Taiwan
- PS-03-a-139 Association of dietary intake with lipodystrophy in HIV-infected patients**
Kulwara Meksawan, Suyanee Pongthananikorn, Linna Tongyonk, Panida Kotcharat, Wongsathorn Padoongsupalai, Sansanee Chansathapornkul
Chulalongkorn University, Thailand
- PS-03-a-140 Prevalence and risk factors of metabolic syndrome in HIV-infected patients receiving the highly active antiretroviral therapy**
Suyanee Pongthananikorn, Kulwara Meksawan, Rossarin Tansawat, Kittiya Jantarathaneewat, Pondsarun Somnikha, Sirirat Jaturapullarp
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- PS-03-a-141 Intra- and Inter-individual Variation of Urinary Isoflavone Concentrations in Healthy Young Japanese Adults**
Ayako Miura¹, Marina Suzuki¹, Chitose Sugiyama¹, Toshinao Goda²
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- PS-03-a-142 Food Taboo among Batak Ethnic in Indonesia**
Katrinn Roosita, Martopuro S Rimbawan, Anna V.R. Mauludyani
Bogor Agricultural University, Indonesia
- PS-03-a-143 Concurrent stunting and obesity in children aged 2.0 to 4.9 years in Indonesia: the double burden of malnutrition**
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