

AM Nutritional Biochemistry 1

- PS-01-a-001 Oleuropein supplementation increases urinary noradrenaline and testicular testosterone levels and decreases plasma corticosterone levels in rats fed high-protein diet**
Yuriko Kano¹, Teruo Kawada², Tatsuo Watanabe³, Fumihiko Koyama⁴, Kenichi Watanabe⁴, Kazuo Iwai¹
¹Kobe Women's University, Japan, ²Kyoto University, Japan, ³University of Shizuoka, Japan, ⁴J-Oil Mills Company, Japan
- PS-01-a-002 Development of a new *in vitro* skeletal muscle contraction system**
Yasuko Manabe, Akiko Inagaki, Kanoko Maruo, Kotaro Tamura, Yasuro Furuichi, Fujii L. Nobuharu
Tokyo Metropolitan University, Japan
- PS-01-a-003 Biochemical Composition in Leaf Protein Extracted Potato Leaves**
Jyoti Shanker
CSJM University, India
- PS-01-a-004 In vitro studies of the digestibility of lectin from black turtle bean (*Phaseolus vulgaris*)**
Shudong He¹, Benjamin Simpson², Michael Ngadi², Ying Ma¹
¹Harbin Institute of Technology, China, ²McGill University, Canada
- PS-01-a-005 Role of GLUT4 knockdown-dependent transcriptional control of the RBP4 gene**
Jun Yamauchi, Mariko Sekiguchi, Tomomi Shirai, Yoshiko Ishimi, Erina Inoue
National Institute of Health and Nutrition, Japan
- PS-01-a-006 Effect of Andrographolide on CoCl₂-Induced Expression of Hypoxia-Inducible Factor 1alpha and Endothelin 1 in EA.hy926 Cells**
Haw-Wen Chen, Chia-Yang Lu
China Medical University, Taiwan
- PS-01-a-007 Effect of Shikonin on Drug-Metabolizing System in Rat Primary Hepatocytes**
Chong-Kuei Lii, Hsien-Tsung Yao, Tzu-Yu Lin
China Medical University, Taiwan
- PS-01-a-008 Germinated Brown Rice Methanol Crude Extract Induced Satiety Hormones Release from Stc-1 and Nci-H716 Cell Lines**
Su Peng Loh, Wen Bin Kuan, Norhaizan Mohd Esa, Ooi Chuan Ng
Universiti Putra Malaysia, Malaysia
- PS-01-a-009 Inhibitory Activity of Angiotensin-converting Enzyme from *Gynura procumbens* Leaves under Different Extraction Conditions**
Triwoot Phanyotha, Warangkana Srichamnong, Nattapol Tangsuphoom, Chalath Santivarangkna, Uthaiwan Suttisansanee
Mahidol University, Thailand
- PS-01-a-010 The role of PPAR-alpha in the teratogenic effect of polar fraction in oxidized frying oil**
Ting Yu Lai, Ting-Yi Lin, Pei Min Chao
China Medical University, Taiwan
- PS-01-a-011 Plasma GLP-1 concentration is increased in non-operated rats fed fermentable dietary fiber, but not in cecectomized rats**
Ryoko Shimada, Yohko Sugawa-Katayama, Kazuyuki Oku, Kiyoshi Ebihara
Osaka Aoyama University, Japan
- PS-01-a-012 Modulation of adipocyte activity by the TGF-beta family**
Yuhang Qiao, Masashi Suenaga, Tohru Matsui, Masayuki Funaba
Kyoto University, Japan
- PS-01-a-013 Beta-carotene promotes hypertrophy and protein synthesis in soleus muscle in mice**
Tomoya Kitakaze¹, Naoki Harada¹, Yoshihisa Nakano², Ryoichi Yamaji¹
¹Osaka Prefecture University, Japan, ²Osaka Women's Junior College, Japan

Program

- PS-01-a-014 Isoferulic acid prevents methylglyoxal-induced glycation, oxidation-dependent damage to protein and oxidative DNA damage**
 Sirichai Adisakwattana¹, Aramsri Meeprom¹, Weerachat Sompong¹, Tanyawan Suantawee¹, Thavaree Thilavech¹, Catherine B Chan²
¹Chulalongkorn University, Thailand, ²University of Alberta, Canada
- PS-01-a-015 Sex-dependent relationship between omega-3 index and type 2 diabetes in older overweight and obese people**
 Manohar Garg, Kylie Abbott, Martin Veysey, Mark Lucock, Suzie Niblett, Katrina King, Tracy Burrows
 University of Newcastle, Australia
- PS-01-a-016 The effect of 1'-acetoxychavicol acetate on human skin wound healing**
 Atsuki Mori, Koji Sugawara, Daisuke Tsuruta, Isao Matsui-Yuasa, Akiko Kojima-Yuasa
 Osaka City University, Japan
- PS-01-a-017 Flavonoids affect circadian rhythm in PER2::LUC mouse embryonic fibroblast cells**
 Ayako Shinozaki, Aya Yokota, Atsushi Haraguchi, Mari Kuwahara, Yu Tahara, Shigenobu Shibata
 Waseda University, Japan
- PS-01-a-018 Carnosic acid prevents 6-hydroxydopamine-induced apoptosis through the activation of autophagy**
 Chia-Yuan Lin
 China Medical University, Taiwan
- PS-01-a-019 Anti-acetylcholinesterase, anti-butrylcholinesterase and anti-beta-secretases activities from crude extract of sweet peppers in different solvents**
 Kantamanee Thuphairo, Kalyarat Kruawan, Warangkana Srichamnong, Somsri Charoenkiatkul, Uthaiwan Suttisansanee
 Mahidol University, Thailand
- PS-01-a-020 The Nutritional Composition of the Most Effective Diet on Weight Loss in Obese Mice**
 Tomomi Yamazaki
 National Institute of Health and Nutrition, Japan
- PS-01-a-021 Mechanisms of lipogenic gene expression in postprandial liver**
 Yuri Nishimura, Tomoki Sato, Mizuki Inoue, Shinji Miura, Akihito Morita
 University of Shizuoka, Japan
- PS-01-a-022 Nutritional status of female prisoner of Nepal**
 Rishi Raj Ojha
 Nepal NGO Society, Nepal
- PS-01-a-023 Preventive Effects of *Anredera cordifolia* Leaf Extract on Hepatic and Renal Disorders in High Fat and High Fructose Diet-treated Mice**
 Kyoji Yoshino¹, Mizue Yamada¹, Koji Maruyama², Koji Kajima²
¹Numazu College, Japan, ²Sankyo Holdings Co., Ltd., Japan
- PS-01-a-024 Equol prevents cell apoptosis of A-beta treated SH-SY5Y by inhibiting cell cycle re-entry**
 Hsin-Nung Kao, Shyh Hsiang Lin
 Taipei Medical University, Taiwan
- PS-01-a-025 Involvement of factors derived from intestine and mesenteric adipose tissues in various disorders induced by cholic acid ingestion**
 Koji Tada, Takuma Nose, Misaki Tsuji, Reika Yoshitugu, Keidai Kikuchi, Hidehisa Shimizu, Hiroshi Hara, Satoshi Ishizuka
 Hokkaido University, Japan
- PS-01-a-026 Orphan receptor NR4A3 is oxidative stress responsible transcription factor and controls cyclin E**
 Yuzuru Otsuka, Motoko Yamada, Etsuko Ueta, Hiromi Fujita, Yuri Shimizu, Mitsuru Takahashi
 Ochanomizu University, Japan Tottori University, Japan Tokyo University of Agriculture, Japan
- PS-01-a-027 Protective effects of Sulforaphane on human bladder cancer both in vivo and in vitro**
 Canxia He, Yujuan Shan
 Harbin Institute of Technology, China
- PS-01-a-028 Omega-Hydroxy Fatty Acids in Edible Fats and Oils**
 Yuko Nishiyama, Syuko Ogura, Saya Sato, Yasushi Kikuta
 Fukuyama University, Japan

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- PS-01-a-029 Glucose metabolism and energy production in proliferating prostate cancer cells**
Sugaya Shun, Watanabe Kenta, Kiuchi Erina, Hirata Michiko, Miyaura Chisato, Inada Masaki
Tokyo University of Agriculture and Technology, Japan
- PS-01-a-030 Turkish Consumers Attitudes and Awareness Toward Novel Biotechnological Foods**
Iraz Haspolat Kaya¹, Eylem Temel Ozat², Ender Sinan Poyrazoglu³, Nevzat Artik¹
¹Ankara University, Turkey, ²Ozerisen Food Company, Turkey, ³Siirt University, Turkey
- PS-01-a-031 Derivative of caffeic acid phenethyl ester inhibits the growth of colon cancer in vitro and in vivo**
Feng-Yao Tang¹, Man-Hui Pai², En-Pei Isabel Chiang³
¹China Medical University, Taiwan, ²Taipei Medical University, Taiwan, ³National Chung Hsing University, Taiwan
- PS-01-a-032 Antioxidant and Anti-stress Activities of Aqueous Extract from Lotus Root (*Nelumbo nucifera Gaertn*)**
Sun Hee Cheong, Joo Seong Kang, Seon Gyeong Bak, Hyung-Sik Won, Jong Bo Kim, Seung-Hong Lee
Konkuk University, Korea
- PS-01-a-033 Phenolic Acid and Antioxidant Activity of Virgin Coconut Oil Produced by Centrifugation and Fermentation Methods**
Chitraporn Ngampeerapong^{1,2}, Visith Chavasit¹
¹Mahidol University, Thailand, ²Maejo University, Thailand
- PS-01-a-034 Taurine prevented cell cycle apoptosis via mitochondria and endothelia reticulum dependent pathway and restored neurotrophic gene expression in arsenite-treated SH-SY5Y cells**
Chien-Te Chou, Deng-Fwu Hwang
National Taiwan Ocean University, Taiwan
- PS-01-a-035 Glycine-N Methyltransferase Expression in HepG2 Cells and L02 Cells affects Transmethylation Kinetics in One Carbon Folate Metabolism**
Yee Ling Tan, Hsin-An Ko, Yu-Hsuan Huang, En-Pei Isabel Chiang
National Chung Hsing University, Taiwan
- PS-01-a-036 Disease modifying antirheumatoid drugs (DMARDs) Alter Cellular Kinetics in Folate mediated one carbon Metabolism**
Nga-Lai Sou, En-Pei Isabel Chiang, Hsin-An Ko, Yu-Hsuan Huang
National Chung Hsing University, Taiwan
- PS-01-a-037 Low GI sweetener rare sugar syrup and its reducing effect on the glycemic index of sugar**
Tomoya Shintani, Takako Yamada, Tomonori Kimura, Noriko Hayashi, Tetsuo Iida, Kazuhiro Okuma
Matsutani Chemical Industry Co., Ltd., Japan
- PS-01-a-038 Characteristic hydrolyzing of megalosaccharide by human salivary alpha-amylase and small intestinal enzymes, and its bioavailability in healthy subjects**
Tsuneyuki Oku¹, Kenichi Tanabe², Fumio Shimura¹, Sadako Nakamura¹
¹Jumonji University, Japan, ²University of Nagasaki Siebold, Japan
- PS-01-a-039 Production of prebiotic galacto- and hetero-oligosaccharides using beta-galactosidases from *Bifidobacterium breve* DSM 20213**
Thu-Ha Nguyen
BOKU University of Natural Resources and Life Sciences, Austria
- PS-01-a-040 Inhibitory effect of enzymatically synthesized glycogen against UVB irradiation-induced ROS accumulation and apoptosis in NHEKs**
Yoshioka Yasukiyo¹, Takakazu Mitani¹, Takashi Furuyashiki², Hitoshi Ashida¹
¹Kobe University, Japan, ²Ezaki Glico Co., Ltd, Japan
- PS-01-a-041 Effects of the spinach intake first on the postprandial hyperglycemia**
Harumi Ohno, Masaru Sonoda
Kyoritsu Women's University, Japan
- PS-01-a-042 Anti-obese and anti-inflammatory effects of soluble dietary fiber from adlay bran on high fat diet-induced obesity and acetaminophen-induced hepatitis**
Yukari Egashira, Shun Sato, Fumika Yoshinari, Shizuka Hirai
Chiba University, Japan

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PS-01-a-043 Comparative effects of resistant starch in the maintenance of large intestinal environment
Chen Bixiao, Ding Yue, Morioka Saaya, Nakagawa Tomoyuki, Hayakawa Takashi
Gifu University, Japan

PS-01-a-044 Pectin and Its Hydrolysates Stimulate Intestinal Mucin Secretion
Shingo Hino, Fumitaka Terasaki, Tatsuya Morita
Shizuoka University, Japan

PS-01-a-045 Oxidation of short chain fatty acids infused to the large intestine in rats using stable isotopes
Asami Wakasa, Yoshiaki Shirata, Kiyoshi Miura, Tomihiro Miyada
Kawasaki University of Medical Welfare, Japan

PS-01-a-046 Dietary glutamate and Aspartate regulate fructose preference in rat
Yoko Horikawa, Hitomi Ohata, Koich Matsuda, Shigecko Fujimoto Sakata, Yasuto Sasaki
Kobegakuin University, Japan

PS-01-a-047 Effects of repeated supplementation with alanine and proline and interval training on the post-exercise muscle glycogen accumulation
Maehara Chika^{1,2}
¹University of Tsukuba, Japan, ²Ajinomoto Co., Japan

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PS-01-a-048 Effects of exercise on DHA-induced lipid peroxidation
Kazuhiro Kubo¹, Takashi Baba², Morio Saito³
¹Gifu University, Japan, ²Maruha Nichiro Holdings, Inc., Japan, ³National Institute of Health and Nutrition, Japan

PS-01-a-049 Long-term feeding of trehalose effects on glucose tolerance level and the size of Langerhans islets in C57Bl/6 mice
Mikako Tsukada, Natsumi Amano, Nae Kodama, Yu Kagaya, Akie Matsuhashi, Yukie Yamamoto
Seirei Women's Junior College, Japan

PS-01-a-050 The effects of dietary Omega-3 polyunsaturated fatty acids on the prevention of coronary heart disease
Sabrina Zeghichi¹, Michel de Lorgeril², Patricia Salen³, Joel de Leiris²
¹Bejaia University, Algeria, ²Joseph Fourier University, France

PS-01-a-051 Effect of PGC-1alpha on exercise capacity in mice
Kimiko Minami¹, Ryoji Yoshimura^{1,2}, Yasutomi Kamei¹
¹Kyoto Prefectural University, Japan, ²Research Fellow of Japan Society for the Promotion of Science, Japan

PS-01-a-052 Putative PPAR target genes express highly in skeletal muscle of insulin-resistant MetS model SHR/NDmc-cp rats
Natsuyo Hariya¹, Kunio Miyake¹, Takeo Kubota¹, Toshinao Goda², Kazuki Mochizuki¹
¹University of Yamanashi, Japan, ²University of Shizuoka, Japan

PS-01-a-053 Hemolysis Induced by Intense Exercise leads to oxidative damage in Spleen and Liver leading to the development of sports anemia
Yukiko Kobayashi, Aki Nakatsuji, Wataru Aoi, Chisato Shintaku, Masashi Kuwahata, Yasuhiro Kido
Kyoto Prefectural University, Japan

PS-01-a-054 Effects of azuki bean (*Vigna angularis*) extract on AMP-activated protein kinase phosphorylation in HepG2 cells and liver of diabetic rats
Shin Sato¹, Saori Kataoka¹, Masaaki Kurasaki², Yuuka Mukai³
¹Aomori University of Health and Welfare, Japan, ²Hokkaido University, Japan, ³Kanagawa University of Human Services, Japan

PS-01-a-055 Chrono-nutritional effect of a-CD on serum triglyceride and glucose after injection at different circadian times in mice
Yuta Hattori, Mayo Kamagata, Yuko Ikeda, Sasaki Hiroyuki, Miku Tsubosaka, Mizuho Hirao, Shigenobu Shibata
Waseda University, Japan

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- PS-01-a-056 Oral Administration of L-Citrulline Acts as a Hypothermic Agent in Chicks**
Vishwajit S. Chowdhury, Asako Shigemura, Edi Erwan, Tran V. Phuong, Mohammad A. Bahry, Mitsuhiro Furuse
Kyushu University, Japan
- PS-01-a-057 Dietary flavonoid intake prevents muscle wasting in tumor-bearing mice**
Katsuya Hirasaka¹, Shinobu Saito¹, Saki Yamaguchi¹, Miyazaki Riho¹, Shigeto Taniyama¹, Takeshi Nikawa², Katsuyasu Tachibana¹
¹*Nagasaki University, Japan*, ²*The University of Tokushima Graduate School, Japan*
- PS-01-a-058 The preventive effect of fish oil on the development of abdominal aortic aneurysm**
Hirona Kugo¹, Youhei Mouri¹, Ken-ichi Yanagimoto³, Nobuhiro Zaima¹, Tatsuya Moriyama¹
¹*Kinki University, Japan*, ²*Nippon Suisan Kaisha, Ltd., Japan*
- PS-01-a-059 Caffeic acid decreased tBH-induced apoptosis in human neuroblastoma stable transfected with mutant ataxin-3**
Yu-Ling Wu, Kai-Li Liu, Yi-Chin Lin
Chung Shan Medical University, Taiwan
- PS-01-a-060 Effect of resistant maltodextrin and fructooligosaccharides on GLP-1 secretion and production in diet-induced obese rats**
Ryoya Suto¹, Tohru Hira¹, Yuka Kishimoto², Sumiko Kanahori², Hiroshi Hara¹
¹*Hokkaido University Japan*, ²*Matsutani Chemical Industry, Japan*
- PS-01-a-061 Milk casein hydrolysate alleviates muscle soreness and muscle fatigue after downhill walking exercise in middle-aged to elderly men**
Masayo Iwasa¹, Wataru Aoi¹, Airi Nakayama¹, Sayori Wada¹, Teppei Nakamura², Kohji Ohki², Akane Higashi¹
¹*Kyoto Prefectural University, Japan*, ²*CALPIS Co., Ltd., Japan*
- PS-01-a-062 Seasonal variation of body composition associated with food intake, physical activity, and resting energy metabolism**
Rie Shimonaka¹, Noriko Tanaka¹, Toyoko Okuda², Naomi Hirano⁸, Hisae Shinohara³, Yasuyo Asano⁵, Mami Umemoto², Jangmi Kang⁷, Yuko Higashine⁶, Ikue Hamaguchi⁴
¹*Kobe Women's University, Japan*, ²*Tezukayamagakuin University, Japan*, ³*University of Miyazaki, Japan*, ⁴*Konan Women's University, Japan*, ⁵*Kio University, Japan*, ⁶*Osaka Aoyama University, Japan*, ⁷*Hyogo NCC College, Japan*, ⁸*Kobe Women's Junior College, Japan*
- PS-01-a-063 Preventive effects of calcium and/or glucose supplementation on reducing bone fragility in a rat model of the female athlete triad**
Yuki Aikawa, Umon Agata, Yuya Kakutani, Syoyo Kato, Yuichi Noma, Satoshi Hattori, Hitomi Ogata, Naomi Omi
University of Tsukuba, Japan
- PS-01-a-064 A study of objective way of assessing psychological stress using salivary 3-Methoxy-4-Hydroxyphenylglycol (MHPG)**
Naoko Kaibara¹, Sakamoto Shigeo², Ohnishi Jyunji¹
¹*Tokyo Kasei University, Japan*, ²*Foundation for Advancement of International Science*
- PS-01-a-065 Preventive effects of astaxanthin on capillary regression during recovery from disuse-induced skeletal muscle atrophy in rats**
Toshiyuki Maezawa¹, Miho Kanazashi¹, Masayuki Tanaka¹, Noriaki Maeshige¹, Hiroyo Kondo², Akihiko Ishihara³, Hidemi Fujino¹
¹*Kobe University Graduate School of Health Sciences, Japan*, ²*Nagoya Women's University, Japan*, ³*Kyoto University Graduate School of Human and Environmental Studies, Japan*
- PS-01-a-066 Aronia melanocarpa extracts augments p70S6K phosphorylation in response to resistance exercise in rat skeletal muscle**
Yuhei Makanae¹, Satoru Ato¹, Yusuke Takamura¹, Kohei Kido¹, Naruhiro Shiozawa¹, Koichi Nakazato², Satoshi Fujita¹
¹*Ritsumeikan University, Japan*, ²*Nippon Sports Science University, Japan*
- PS-01-a-067 Effect of Dietary Education on Prevention to Lifestyle Related Disease**
Michie Moriyama, Shigeyoshi Kojima, Kiyoshi Shibata
Aichi Gakusen University, Japan

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- PS-01-a-068 Distribution and reactivity of the novel fruit allergen Gibberellin Regulated Protein**
 Fumiko Okazaki¹, Yukie Yamaguchi-Murakami², Atsuko Adachi³, Hiroshi Narita¹
¹Kyoto Women's University, Japan, ²Kyoto College of Nutritional and Medical Sciences, Japan, ³Hyogo Prefectural Kakogawa Medical Center, Japan
- PS-01-a-069 Seasonal variation in food intake, physical activity and change in body composition in female college students**
 Noriko Tanaka⁵, Toyoko Okuda¹, Naomi Hirano⁴, Hisae Shinohara², Yasuyo Asano³, Mami Umemoto¹, Jangmi Kang⁶, Yuko Higashine⁷, Ikue Hamaguchi⁸, Rie Shimonaka⁵
¹Tezukayamagakuin University, Japan, ²University of Miyazaki, Japan, ³Kio University, Japan, ⁴Kobe Women's Junior College, Japan, ⁵Kobe Women's University, Japan, ⁶Hyogo NCC College, Japan, ⁷Osaka Aoyama University, Japan, ⁸Konan Women's University, Japan
- PS-01-a-070 Intake of Melinjo (*Gnetum gnemon*) seed extract during lactation stimulates hepatic and hypothalamic AMPK in offspring of fructose-fed pregnant rats**
 Saori Kataoka¹, Mihoko Takebayashi¹, Megumi Kudo¹, Yuuka Mukai², Shin Sato¹
¹Aomori University of Health and Welfare, Japan, ²Kanagawa University of Human Services, Japan
- PS-01-a-071 An apoptosis relating factor Apop-1 affect the regulation of blood glucose**
 Nami Ueda¹, Natsuko Iyoda¹, Miho Yao², Hikari Maeda², Keisuke Fukuo³, Kentaro Yomogida⁴
¹Mukogawa Women's University Graduate School, Japan, ²Mukogawa Women's University, Japan, ³Research Institute for Nutrition Sciences, ⁴Institute for Biosciences
- PS-01-a-072 Tomato-Rice Bran and Rice Bran Oil Beverage Intervention Maintain Blood Glucose Level and Modulate Lymphocyte Subsets in Overweight-Obese Subjects**
 Evy Damayanthi, Cesilia Meti Dwiriani, Lilik Kustiyah, Mira Dewi, Deni Alamsah
 Bogor Agricultural University, Indonesia
- PS-01-a-073 Acceptable daily intake levels of sucralose consumption reduces fecal Clostridium cluster 4 in mouse**
 Takashi Uebanso, Ohnishi Ai, Takaaki Shimohata, Mutsumi Nakahashi, Kazuaki Mawatari, Akira Takahashi
 The University of Tokushima, Japan
- PS-01-a-074 Low dose antibiotics treatment in the prenatal period affect newborns health in later life**
 Ayumi Yoshimoto, Takashi Uebanso, Kazuaki Mawatari, Mutsumi Nakahashi, Takaaki Shimohata, Akira Takahashi
 The University of Tokushima, Japan
- PS-01-a-075 Wheat alkylresorcinols suppress the high-fat high-sucrose diet-induced of circadian rhythm disruption and the features of metabolic syndrome**
 Yosuke Kikuchi², Saori Yamamoto¹, Reiko Nakao¹, Yuki Yasumoto¹, Kazumasa Horikawa¹, Kimiko Okita³, Shin-ichi Fukudome², Katsutaka Oishi¹
¹National Institute of Advanced Industrial Science and Technology (AIST), Japan, ²Nisshin Seifun Group Inc., Japan, ³Oriental Yeast Co., Ltd., Japan
- PS-01-a-076 The expression of taste receptor hTAS2Rs during pregnancy, after delivery and in suckling infants**
 Tetsuya Takao¹, Chieko Kogomori¹, Iwao Maekawa², Mieko Aoki³, Fumihiko Koike⁴, Kyoichi Takao⁴, Seigo Shiga¹
¹Showa Women's University, Japan, ²Gyne. Clinic, Japan, ³Sanyo Gakuen College, Japan, ⁴Nihon University, Japan
- PS-01-a-077 The construction of insulin resistance model of 3T3-L1**
 Takuya Kase, Isao Matsui-Yuasa, Akiko Kojima-Yuasa
 Osaka City University, Japan
- PS-01-a-078 Oil palm phenolics reduce cardiometabolic risk via multiple mechanisms**
 Mahinda Yapa Abeywardena¹, Ravigadevi Sambanthamurthi², Kalyana Sundram³, Yew-Ai Tan²
¹CSIRO - Food & Nutrition Flagship, Australia, ²Malaysian Palm Oil Board, Malaysia, ³Malaysian Palm Oil Council, Malaysia
- PS-01-a-079 Efficacy of Habitual Exercise for Improving Lipid Profiles Depends on the PPAR-gamma Genotype in Japanese Males**
 Yasuko Sone¹, Kaori Morito¹, Takeshi Narita¹, Shigenobu Egawa², Kazuo Kawahara³, Yuzuru Otsuka⁴, Yoko Fujiwara⁵
¹Takasaki University of Health and Welfare, Japan, ²Fukuoka Institute of Occupational Health, Japan, ³Tokyo Medical and Dental University, Japan, ⁴Toita Women's College, Japan, ⁵Ochanomizu University, Japan

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- PS-01-a-080 Herbal medicine Kamishimotsuto augments resistance exercise-induced mTORC1 signaling in rat skeletal muscle**
Kohei Kido¹, Yuhei Makanae¹, Satoru Ato¹, Tadahiro Hayashi², Satoshi Fujita¹
¹Ritsumeikan University, Japan, ²Kobayashi Pharmaceutical Co., Ltd., Japan
- PS-01-a-081 Milk casein hydrolysate lowered heart rate during downhill walking exercise and muscle damage after that in middle-aged to elderly men**
Hidetoshi Miyazaki¹, Chihiro Suzuki¹, Teppei Nakamura¹, Kohji Ohki¹, Masayo Iwasa², Wataru Aoi², Masafumi Kitakaze³
¹CALPIS Co., Ltd, Japan, ²Kyoto Prefectural University, Japan, ³National Cerebral and Cardiovascular Center, Japan
- PS-01-a-082 Effects of Medium Chain Triglycerides on Gluconeogenesis and Ureagenesis in Weaned Rats Fed a High Fat Diet**
Chitose Sugiyama, Akter K. Nahar, Saho Morishita, Ayako Miura, Sachiko Takase
Hamamastu University, Japan
- PS-01-a-083 Physical inactivity induces disrupted circadian rhythm and atrophy of muscle in rats**
Hitomi Miki¹, Fumiaki Hanzawa², Mijoo Ahn¹, Satoshi Mochizuki³, Saiko Ikeda², Hiroaki Oda¹
¹Nagoya University, Japan, ²Nagoya University of Arts and Sciences, Japan, ³Oita University, Japan
- PS-01-a-084 The effect of liquid food injection to stomach on intestinal fermentation and electrophysiological parameters of the cecum in rats**
Takaharu Kozakai¹, Masafumi Kadosaki¹, Yoshie Kamo¹, Yuka Tomizawa^{1,2}, Atsukazu Kuwahara²
¹Yamagata University, Japan, ²University of Shizuoka, Japan
- PS-01-a-085 Electrophysiological analysis of brain reward system activity during fat consumption**
Mizuki Goto, Tohru Fushiki, Kazuo Inoue, Satoshi Tsuzuki, Shigenobu Matsumura, Miho Yamada, Kazutaka Mizuki, Nobuhide Kitabayashi
Kyoto University, Japan
- PS-01-a-086 Influence of gut microbiota of the rat by combination of stress load and dietary fat content**
Kenji Otsuka, Saya Hirano, Risa Shimizu, Yuko Kikuchi, Hiromi Matsusaki, Hisanori Minami
Prefectural University of Kumamoto, Japan
- PS-01-a-087 Evaluation of the state of Crohn's disease using plasma alpha-1 acid glycoprotein**
Yuko Kikuchi¹, Sanae Murakami¹, Mana Sugiyama¹, Kanako Sonoda¹, Kenji Otsuka¹, Natsuko Sakaida², Tomoko Irie², Ryoichi Nozaki², Kazutaka Yamada², Hisanori Minami¹
¹Prefectural University of Kumamoto, Japan, ²Takano Hospital, Japan
- PS-01-a-088 Absorption of glucose in the intestine depend on free water level in the intestinal contents**
Toru Takahashi¹, Masami Niwa², Noriko Takaki¹, Miki Tokunaga¹, Kin-ya Kubo³, Makoto Machida⁴
¹Fukuoka Women's University, Japan, ²Ibi Kosei Hospital, Japan, ³Seijoh University, Japan, ⁴Nippon Paper Industries Co., Ltd., Japan
- PS-01-a-089 Preventive effects of nucleoprotein supplementation combined with intermittent loading on disuse-induced capillary regression in rats**
Yusuke Hirayama, Ryosuke Nakanishi, Masayuki Tanaka, Toshiyuki Maezawa, Miho Kanazashi, Noriaki Maeshige, Hidemi Fujino
Kobe University, Japan
- PS-01-a-090 Rare sugars induce expression of genes related to digest/absorb nutrients in intestinal sugar perfusion model of rats**
Takuji Suzuki, Yuki Sato, Sumire Kadoya, Mutsumi Takahashi
Yamagata University, Japan

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- PS-01-a-091 Greek-Style Yogurt as a Cream Cheese Supplement in Cheesecake Products**
Chanokphat Phadungath
Muban Chombueng Rajabhat University, Thailand
- PS-01-a-092 Nutritional Status of Balut, a Boiled Incubated Fertilized Duck Egg, And Sensory Acceptability of a Newly Introduced Cuisine**
Norlita Sanceda¹, Harumi Tsuchiya¹, Takehisa Matsukawa², Kazuhito Yokoyama², Emiko Suzuki¹, Kikue Kubota³, Midori Kasai¹
¹Ochanomizu University, Japan, ²Juntendo University, Japan, ³Tokyo University of Agriculture, Japan

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- PS-01-a-093 Effect of *Lactobacillus paracasei* NFRI 7415 on the intestinal immune system and intestinal microflora of mice**
 Noriko Komatsuzaki¹, Ukihide Ueki¹, Ayako Aoki-yoshida², Jun Shima³
¹Seitoku University, Japan, ²National Agriculture and Food Research Organization, Japan, ³Ryukoku University, Japan
- PS-01-a-094 The Effect of Sweet Mayonnaise on Beta-carotene Absorption**
 Chaochao Li¹, Yasunobu Masuda², Mamoru Kimura², Mika Usuda², Wei Wang², Wenbin Xu¹, Yinci Xi¹
¹Shanghai Ocean University, China, ²Kewpie Corporation, Japan
- PS-01-a-095 Effect of diets containing antioxidants on mouse hyperglycemia caused by alloxan administration**
 Noriyoshi Masuoka¹, Wakana Doi¹, Kazunori Takemoto², Takayuki Murakami³, Junji Inoue³, Kohji Ishihara¹
¹Okayama University of Science, Japan, ²Keio Medical Science Education Center, Japan, ³Ahjikan Co., Ltd.
- PS-01-a-096 Characterization concerning nutrition and palatability of buckwheat as an Asian traditional food**
 Yuya Asami¹, Ayumi Nishihana², Sayoko Ikeda², Kiyokazu Ikeda²
¹Minami Kyushu University, Japan, ²Kobe Gakuin University, Japan
- PS-01-a-097 The effects of freeze-denatured soy protein (kori tofu-like) and soy pulp (okara) on lipid metabolism in rats**
 Yoko Takahashi¹, Takahiro Ishiguro², Kohji Yamaki¹
¹National Food Research Institute, NARO, Japan, ²Asahimatsu Foods Co., Ltd., Japan
- PS-01-a-098 Effects of chronic intake of Japanese sake on radiation-induced metabolic alteration**
 Tetsuo Nakajima, Guillaume Vares, Bing Wang, Mitsuru Neno
 National Institute of Radiological Sciences, Japan
- PS-01-a-099 Eating Characteristics of Cooked Rice from Partially Abraded Brown Rice by Mastication Electromyography**
 Kaoru Kohyama, Zhihong Gao, Mitsue Takaoka, Tomoko Sasaki, Tomoya Okunishi, Hiroshi Okadome
 National Food Research Institute, National Agriculture and Food Research Organization, Japan
- PS-01-a-100 Physical, chemical and functional properties of whole grain, corn grit and nixtamalized product from high anthocyanin corn hybrid (KPSC 903)**
 Nipat Limsangouan, Waraporn Prasert, Ngamjit Lowithun, Chulaluck Charunuch
 Kasetsart University, Thailand
- PS-01-a-101 The safety assessment method of the various sweeteners using a rat sperm function test**
 Hiroshi Ichikawa¹, Akira Tao¹, Masaki Iwamoto¹, Kazuhiro Misumi², Yukiko Minamiyama², Mayuko Oka², Yuji Naito³, Toshikazu Yoshikawa³
¹Doshisha University, Japan, ²Kyoto Prefectural University, Japan, ³Kyoto Prefectural University of Medicine, Japan
- PS-01-a-102 Analysis of carotenoids in cultivars of *Setaria italica* and *Panicum miliaceum*: tissue specific localization of nutrients in the millet grains**
 Akira Yano¹, Hirofumi Iwama¹, Masato Takakusagi², Yui Chida¹, Yoshinori Takahashi²
¹Iwate Biotechnology Research Center, Japan, ²Iwate Agricultural Research Center, Japan
- PS-01-a-103 Effects of roasting on pigment components and antioxidant activity in colored rice**
 Miki Hiemori-Kondo, Yuki Uehara
 Tokushima Bunri University, Japan
- PS-01-a-104 Effect of chitosan on physical and chemical properties of meatball**
 Suveena Jantapirak, Nipat Limsangouan, Supakchon Klongdee
 Kasetsart University, Thailand
- PS-01-a-105 Application of hybrid purple corn flour compared with yellow corn flour to substitute wheat flour in salted noodle**
 Ngamjit Lowithun, Waraporn Parsert, Nipat Limsangouan, Sompoch Yai-eiam
 Kasetsart University, Thailand
- PS-01-a-106 Effect of Jerusalem artichoke powder as oil replacement on the particle size and rheological properties of emulsion**
 Supakchon Klongdee, Waraporn Prasert, Nednapis Vatanasuchart
 Kasetsart University, Thailand

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- PS-01-a-107 Effect of Heat Treatment on Properties during *in vitro* Digestion and Lipid Digestibility of Coconut Milk**
Nattapol Tangsuphoom¹, Chitraporn Ngampeerapong^{1,2}, Visith Chavasit¹
¹Mahidol University, Thailand, ²Maejo University, Thailand
- PS-01-a-108 Isolation of bisacurone from turmeric extract which shows protective effect against ethanol-induced hepatocyte injury**
Chiaki Megumi¹, Koutarou Muroyama², Hiroshi Sasako¹, Nobuaki Tsuge¹
¹House Foods Group Inc., Japan, ²House Wellness Foods Corporation, Japan
- PS-01-a-109 Property of a UDP-glucose:glucosyltransferase for caffeic acid in tomato fruits**
Ayaka Sakakibara¹, Hideyuki Suzuki², Daisuke Shibata², Koh Aoki², Yoko Iijima¹
¹Kanagawa Institute of Technology, Japan, ²Kazusa DNA Research Institute, Japan
- PS-01-a-110 Vitamin C degradation products induce nonenzymatic protein glycation**
Haruna Miyakawa¹, Yuriko Shiobara¹, 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, ⁴Tokyo University of Agriculture, Japan
- PS-01-a-111 Changes in nutritional elements and taste ingredients associated with the boiling time of Kandara jiru**
Azumi Yamagishi¹, Takaharu Kozakai¹, Motoko Takaoka², Asako Tamura³
¹Yamagata University, Japan, ²Kobe College, Japan, ³Niigata Prefecture University, Japan
- PS-01-a-112 Increasing the proportion of Thai herbs flavor in low sodium recipes enhance saltiness, overall balance flavor and consumer acceptability**
Mekhora Chusana¹, Nednapi Wattanasusart², Wassana Narasri³
Kasetsart University, Thailand
- PS-01-a-113 Luteolin exerts anti-inflammatory effects through regulating functional diversity of macrophage phenotypes**
Minako Ishii¹, Mayuko Osada-Oka¹, Akari Fujiwara¹, Kazuhiro Misumi¹, Hiroshi Ichikawa², Yukiko Minamiyama¹
¹Kyoto Prefectural University, Japan, ²Doshisha University, Japan
- PS-01-a-114 Immunologically regulatory function of the extracellular domain of butyrophilin1a1 (Bt1a1)**
Yuki Kuwana^{1,2}, Fumito Tani^{1,2}, Tetsuya Masuda^{1,2}
¹Food environment Laboratory, ²Kyoto University, Japan
- PS-01-a-115 Formulation of a low glycaemic index health snack, with no added sugar or sweeteners**
Udeshi Kulasoorya¹, Maduka de Lanerolle-Dias¹, Usha Hettiarachchi², Sharmila Jayasena¹
¹University of Colombo, Sri Lanka, ²University of Sri Jayewardenepura, Sri Lanka
- PS-01-a-116 Silkworm pupae (*Bombyx mori*) are new sources of high quality protein, lipid, and alpha-glucosidase inhibitor**
Hiroyuki Tomotake¹, Toshiyuki Kohri²
¹Iida Women's Junior College, Japan, ²Kinki University, Japan
- PS-01-a-117 Optimum preparation condition and antioxidant activity of miso made from *Mucuna* bean**
Kumiko Iijima¹, Fumiko Konishi³, Yoko Sato², Takako Koriyama², Midori Kasai²
¹Toyo University, Japan, ²Ochanomizu University, Japan, ³Kagawa Nutrition University, Japan
- PS-01-a-118 Purification and Identification of 20kDa Dehydrin Protein from Buckwheat Seed (*Fagopyrum esculentum* cv. Kitawase)**
Momma Michiko
National Food Research Institute, Japan
- PS-01-a-119 Contents of physiologically active substances and non-volatile components of *Cordyceps militaris* mycelia with various doses gamma irradiation**
Shih-Jeng Huang¹, Tsai Shu-Yao², Zih-Cyun Lin²
¹Chung-Chou University of Science and Technology, Taiwan, ²Asia University, Taiwan
- PS-01-a-120 Suppression of Blood Glucose Level by Polyphenols in Water Chestnut (*Trapa japonica*) Husk**
Yasuda Midori¹, Masaru Ishimatsu¹, Madoka Saiki¹, Keiko Nakata¹, Nozomi Ohmagari¹, Teruyoshi Yanagita¹, Kenichiro Yasutake²
¹Nishikyushu University, Japan, ²Nakamura Gakuen University, Japan

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- PS-01-a-121 Research on the factor which influences the taste of a sweet adzuki-bean paste**
Kumiko Akiyama
Showa Women's University, Japan
- PS-01-a-122 Intragastric administration of allyl isothiocyanate increases carbohydrate oxidation via TRPV1 but not TRPA1 in mice**
Noriyuki Mori¹, Fuminori Kawabata², Matsumura Shigenobu², Inoue Kazuo², Fushiki Tohru²
¹The University of Shiga Prefecture, Japan, ²Kyoto University, Japan
- PS-01-a-123 Intragastric administration of allyl isothiocyanate reduces hyperglycemia in intraperitoneal glucose tolerance test (IPGTT) by enhancing blood glucose consumption in mice**
Tomomi Urata¹, Noriyuki Mori¹, Hanae Yamazaki², Kazuo Inoue², Tohru Fushiki²
¹The University of Shiga Prefecture, Japan, ²Kyoto University, Japan
- PS-01-a-124 To make processed foods from sword bean**
Kaho Nishizawa¹, Aya Sakai¹, Yasuyuki Takenaka², Hironori Masui¹, Yasuhiro Aarii¹
¹Mukogawa Women's University, Japan, ²Kobe Shoin Women's University, Japan
- PS-01-a-125 Involvement of Sirtuin 1 in Polyphenol Functions**
Mayo Hadano, Mayuko Osa, Tsubasa Ikeya, Che Wei Wu, Osamu Negishi, Miyazaki Hitoshi
University of Tsukuba, Japan
- PS-01-a-126 The effects of HINE E-gel on the intestinal microbiota in rats**
Fumiyo Yamada, Shinya Miki, Ippei Yamaoka, Naoyuki Endo, Goro Ebisu, Hiroshi Iwakiri
Otsuka Pharmaceutical Factory, Inc., Japan
- PS-01-a-127 Trans Fatty Acid Content Of Fats/Oils Being Used For Frying: Experimental Study Among Halwais In An Urban Slum Of Delhi**
Jain Akanksha¹, Passi Jain Santosh^{1,2,3,4}, Pant Kant Kamal⁴
¹University of Delhi, India, ²Nutrition Foundation of India, India, ³LS Tech Ventures Pvt. Ltd, India, ⁴Indian Institute of Technology (IIT), India
- PS-01-a-128 Combined effect of miso and exercise for diet-induced obesity in mice**
Yasuna Kitano¹, Yasutomo Kamei², Tsuyoshi Tsuduki²
¹Tohoku University, Japan, ²Kyoto prefecture University, Japan
- PS-01-a-129 Taste thresholds and 6-n-propylthiouracil (PROP) taster status in Chinese and Indians**
Siew Ling Tey, Claudia Leong, Jeyakumar Henry
*A*STAR, Singapore*
- PS-01-a-130 Effects of Dioscin, a steroidal saponin in fenugreek with reduced bitterness, at elevated doses on ovariectomized mice**
Hiroshige Chiba¹, Shouhei Hoshino², Keiko Taketani², Etsuko Muraki³, Hamasaki Masanori², Nobuaki Tsuge²
¹Kanagawa Institute of Technology, Japan, ²House Foods Group Inc., Japan, ³Kio University, Japan
- PS-01-a-131 Pharmacokinetics of 4-methylimidazole and analysis of 4-methylimidazole in rat with LC / MS / MS**
Misato Shigemori¹, Yuko Hashimoto¹, Mizuki Murata¹, Miwako Koizumi¹, Yuri Nomi², Naoko Ando³, Yuzuru Otsuka⁴, Tadao Kurata², Seiichi Homma¹, Emiko Suzuki¹
¹Ochanomizu University, Japan, ²Niigata University of Pharmacy and Applied Life Science, Japan, ³Toyo University, Japan, ⁴Toita Women's College, Japan
- PS-01-a-132 Albizia lebbeck L. Benth as promising sources of nutrients and bioactive components**
Parunya Thiyajai, Somsri Charoenkiatkul, Kunchit Judprasong, Chanika Chimkert
Mahidol University, Thailand
- PS-01-a-133 Effect Of Different Bleaching Temperatures On Quality And Fatty Acid Profile Of Refined Catfish (*Clarias Gariepinus*) Oil**
Mia Srimati
Bogor Agricultural University, Indonesia
- PS-01-a-134 The mechanism of inhibitory effect of plant-derived polyphenols on staphylococcal enterotoxin A activities**
Chikako Hirai, Yuko Shimamura, Yuka Sugiyama, Shuichi Masuda
University of Shizuoka, Japan

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- PS-01-a-135 Factors reflecting taste property of Mango (*Mangifera indica* L.) harvested in Japan**
Ayumi Yahada¹, Kumi Yamamoto¹, Yuko Ibaraki¹, Atsuko Funakoshi¹, Goki Maeda², Naoto Hirose², Hideaki Ohta¹
¹Nakamura Gakuen University, Japan, ²Okinawa Prefectural Agricultural Research Center, Japan
- PS-01-a-136 Evaluation of Antioxidant activity and phenolic contents in selected cereals**
Ayane Orita², Atsuko Funakoshi¹, Ayumi Yahada², Kumi Yamamoto¹, Yuko Ibaraki², Hideaki Ohta²
¹Nakamura Gakuen College, Japan, ²Nakamura Gakuen University, Japan
- PS-01-a-137 The differences of nutrition components among various dessert banana cultivars**
Makiko Kawaguchi¹, Kohei Maruyama², Makoto Yamada², Hisashi Osada²
¹Koshien University, Japan, ²Dole Japan, Ltd, Japan
- PS-01-a-138 Characterization of chemical components and sensory evaluation in bitter melon (*Momordica charantia* L.) harvest in Japan**
Kumi Yamamoto¹, Ayumi Yahada², Yuko Ibaraki², Kenta Yamamoto², Atsuko Funakoshi¹, Goki Maeda³, Naoto Hirose³, Hideaki Ohta²
¹Nakamura Gakuen University Junior College, Japan, ²Nakamura Gakuen University, Japan, ³Okinawa Prefectural Agricultural Research Center, Japan
- PS-01-a-139 Various food stuffs interact with umami substances -a human sensory test-**
Kayoko Ueji, Takashi Yamamoto
Kio University, Japan
- PS-01-a-140 Antioxidant capacity of the Korean diet using ORAC (oxygen radical absorbance capacity) assay**
Min-Young Lee, Jeong-Hwa Han, Hyun-A Kim, Myung-Hee Kang
Hannam University, Korea
- PS-01-a-141 Effect of Dairy and Non-Dairy Breeds on Quality of Raw Milk Used for Cheese Production**
Sumeyye Memkeze, Murat Cimen, Rahime Kamer Onoglu
Tunceli University, Turkey
- PS-01-a-142 The Effect of Protein/Fat Ratio in Raw Milk of Native Cow for Making Different Cheese Varieties**
Rahime Kamer Onoglu, Murat Cimen, Sumeyye Memkeze
Tunceli University, Turkey
- PS-01-a-143 Effect of Jerusalem artichoke (*Helianthus tuberosus*) Flour on Quality of Bread**
Jittra Singthong
Ubon Ratchathani University, Thailand
- PS-01-a-144 Analysis of *Artemisia princeps*. var. *orientalis* (Pampan) Hara essential oil and the variation of major terpene compounds by harvest year**
Hyang-Sook Choi
Kyungin Women's University, Korea
- PS-01-a-145 Physical and morphological characteristics of bread supplemented with betaine**
Daisuke Kasai^{1,2}, Mina Koshimizu², Kiyoshi Ohba², Hiroaki Yamauchi³, Kyu-Ho Han³, Ken-ichiro Shimada³, Michihiro Fukushima³
¹Iwate University, Japan, ²Tokachi Foundation, Japan, ³Obihiro University of Agriculture and Veterinary Medicine, Japan
- PS-01-a-146 Suitability of Adlai in Complementing Rice as Staple Food**
Henry F. Mamucod
Philippine Rice Research Institute, Philippines
- PS-01-a-147 Characteristic of bitter melon (*Momordica charantia* L.) produced in Japan by Heavy Element Isotope and Multielement Analyses**
Yuko Ibaraki¹, Kumi Yamamoto¹, Ayumi Yahada¹, Ayane Orita¹, Kaoru Ariyama², Hideaki Ohta¹
¹Nakamura Gakuen University, Japan, ²Japan Grain Inspection Association, Japan
- PS-01-a-148 Antioxidant Properties and Polyphenol Profile of *Piper sarmentosum* Roxb. Leaf Extracts**
Pattanan Kasemweerasan, Lisa J. Marshall, Joanne Maycock
University of Leeds, UK
- PS-01-a-149 Color Properties of Sappanwood (*Caesalpinia sappan* L.) Water Extract**
Valeeratana K. Sinsawasdi^{1,2}, Amarat Simonne¹, Wei Yea Hsu¹, Karunee Kwanbunjan²
¹University of Florida, U.S.A, ²Mahidol University, Thailand

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- PS-01-a-150 Effect of pretreatment on the quality of soup stock prepared from deer-bone**
Toru Kikuchi^{1,2}, Hiroshi Ishii¹, Kyu-Ho Han², Fukushima Michihiro², Toru Hayakawa², Kenichiro Shimada²
¹Obihiro Otani Junior College, Japan, ²Obihiro University of Agriculture and Veterinary Medicine, Japan
- PS-01-a-151 Effect of a hydrothermally treated polysaccharide mixtures on the properties of a rice dough**
Yunyun Xu¹, Jingwen Cai¹, Kelvin K. T. Goh², Lin Kiat Saw¹, Yi Pei Marilyn Tan¹
¹Singapore Polytechnic, Singapore, ²Massey University, New Zealand
- PS-01-a-152 Emulsion stability and antioxidant activity of gluten maillard reaction products of gluten hydrolysate with different sugars**
Yu Hirasawa¹, Eun Young Park¹, Yasushi Nakamura¹, Kenji Sato²
¹Kyoto Prefectural University, Japan, ²Kyoto University, Japan
- PS-01-a-153 Effects of fat for WASHOKU (Japanese cuisine)**
Motokazu Nakamura^{1,2}, Kumiko Nakano¹, Nozomi Moritaki¹, Tohru Fushiki¹
¹Kyoto University, Japan, ²Souden Nakamura Kyoto cuisine, Japan
- PS-01-a-154 Pregelatinized brown rice ameliorates hepatic disorder and pancreatitis in obese model rats**
Ayano Yamagishi², Yukie Maeda¹, Arisa Ito², Chiharu Yamada², Yoshimasa Tsujii², Tsukasa Suzuki², Ken-ichi Kobayashi², Katsumi Takano², Yuji Yamamoto²
¹Alpha-foods Co., Ltd, Japan, ²Tokyo University of Agriculture, Japan
- PS-01-a-155 The mineral content of tap water in Japan**
Ayaho Suzuki, Tomoko Watabene
Chiba Prefectural University of Health Sciences, Japan
- PS-01-a-156 A Comparison of the Organic and Conventional Agricultural Practice on the Internal Quality of Lettuce**
Gun-Hee Kim¹, Min-Sun Chang¹, Jin Lee¹, Nan Zun Hlaing Phyu¹, Moon-Cheol Jeong², Dongman Kim²
¹DukSung Women's University, Korea, ²Korea Food Research Institute, Korea
- PS-01-a-157 Walnut lipid extracts suppress colon cancer stemness in vitro**
Jisoo Lee¹, Joo-Yeon Chung¹, Yoo-Sun Kim¹, Sang-Woon Choi², Yuri Kim¹
¹Ewha Womans University, Korea, ²CHA University, Korea
- PS-01-a-158 Antioxidant Activity and Total Flavonoid of Carica Papaya Leaf with Different Varian, Age and Extraction Solvent**
Fatma Z Nisa
Gadjah Mada University, Indonesia
- PS-01-a-159 Aloe vera gel powder and extract inhibit intestinal carcinogenesis in Min and wild-type mice fed a high-fat diet**
Takeshi Chihara¹, Kan Shimpō¹, Hidehiko Beppu¹, Takaaki Kaneko¹, Takashi Higashiguchi¹, Shigeru Sonoda¹, Miyuki Tanaka², Muneo Yamada², Fumiaki Abe²
¹Fujita Health University, Japan, ²Morinaga Milk Industry Co., Ltd., Japan
- PS-01-a-160 Degradation of Maillard reaction products and related compounds**
Seiichi Homma³, Yoshimitsu Matsui¹, Yuuji Yamamoto¹, Naoko Ando², Yasuyuki Nakanishi¹, Yuzuru Otsuka³
¹Tokyo University of Agriculture, Japan, ²Toyo University, Japan, ³Ochanomizu University, Japan
- PS-01-a-161 Association between food frequency and Iron Deficiency with and without Anemia in young Japanese women**
Takako Sawada¹, Aki Konomi², Katsuhiko Yokoi³
¹Toyo University, Japan, ²Teikyo Heisei University, Japan, ³Seitoku University, Japan
- PS-01-a-162 Nutritional Value of Immature Growth-stage Rice from common Rice Cultivars in Lower Northern Region**
Pitchayanin Petlomtong, Sajee Suwansri, Parita Thanasukarn, Puntarika Ratanatriwong
Naresuan University, Thailand
- PS-01-a-163 Effects of aged black garlic extract and exercise intervention improve cardiovascular disease risk factors in postmenopausal women**
Shu-lin Lee¹, Kuei-Yu Chien², Cheng-Sze Fu³, Ying-Chi Ho⁴, Wen-Chyuan Chen¹
¹Chung Chou University of Science and Technology, Taiwan, ²National Taiwan Sport University, Taiwan, ³National Taitung University, Taiwan, ⁴Nanhua University, Taiwan

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- PS-01-a-164 Dissolution of liver fibrosis by S-allyl cysteine, an aged-garlic extract, in CC₁₄-treated rats**
 Yukiko Minamiyama¹, Shigekazu Takemura², Shintaro Kodai², Shoji Kubo², Hideki Azuma²,
 Mayuko Osada-Oka¹, Kazuhiro Misumi¹, Junji Terao⁴, Hiroshi Ichikawa³
¹Kyoto Prefectural University, Japan, ²Osaka City University, Japan, ³Doshisha University, Japan, ⁴Tokushima University, Japan
- PS-01-a-165 Effect of fish oil on glomerular hyperfiltration in rats with a high protein intake**
 Shunsuke Morita, Eri Kokubo, Hirofumi Sonoki, Hirohiko Nakamura, Kazuyoshi Namba, Yasuhiro Takeda
 Morinaga Milk Industry Co., LTD, Japan
- PS-01-a-166 Dietary practice to delay initiation of dialysis due to chronic renal disease**
 Hiromi I. Katsuragi
 Nihon University, Japan
- PS-01-a-167 Effects of Benjakul Supplementation on Lipid Metabolism-related to Genes Expression in Rats Fed with High-fat Diet**
 Achiraya Kamchansupasin, Narongsuk Munkong, Kevalin Vongthoung, Pornthep Temrangsee,
 Nusiri Lerdvuthisophon
 Thammasat University, Thailand
- PS-01-a-168 Hematological changes by zinc deficiency in rats**
 Aki Konomi¹, Katsuhiko Yokoi²
¹Teikyo Heisei University, Japan, ²Seitoku University, Japan
- PS-01-a-169 Food composition analysis of the menu of Chronic Kidney Disease Diet**
 Masaki Taga¹, Kaori Sato², Reiko Inai³, Takehiko Kaneko¹
¹Wayo Women's University, Japan, ²Tsukuba International University, Japan, ³Tokushima Bunri University, Japan
- PS-01-a-170 Study on cooking properties of low-protein rice for dietary management of patients with chronic renal failure**
 Naoko Shiota, Yoshie Kanazawa, Machiko Mineki
 Tokyo Kasei-Gakuin University, Japan
- PS-01-a-171 Two Case Series On Superior Mesenteric Artery Syndrome -Management dilemma on the implementation of the nutrition and surgical approach**
 Rokayah Julaihi¹, Aminnur Hafiz², Nik Azim Nik Abdullah¹, Adibah Ali¹, Suzita Suhara¹
¹Sarawak General Hospital, Malaysia, ²Universiti Kebangsaan Malaysia, Malaysia
- PS-01-a-172 Anti-inflammatory and antifibrogenic effects of butyrate/DHA on lipopolysaccharide stimulated dermal fibroblasts**
 Yuka Koga, Noriaki Maeshige, Michiko Aoyama-Ishikawa, Akane Ochi, Mikiko Uemura, Motoki Kai,
 Yuya Nishiyama, Makoto Miyoshi, Michiko Takahashi, Hiroto Terashi, Makoto Usami
 Kobe University, Japan
- PS-01-a-173 Di-O-demethylcurcumin suppressed neuroinflammation induced by amyloid-beta**
 Jiraporn Tocharus¹, Decha Pinkaew¹, Chatchawan Changtam², Apichart Suksamrarn³
¹Chiang Mai University, Thailand, ²Huachiew Chalermprakiet University, Thailand, ³Ramkhamhaeng University, Thailand
- PS-01-a-174 Beneficial Effect on Stress of Monosodium Glutamate in Low Sodium Diet**
 Tamami Iwamoto¹, Andrea Wakita², Hideki Matsumoto², Hisayuki Uneyama², Shigeru Yamamoto¹
¹Jumonji University, Japan, ²Ajinomoto Co., Inc., Japan
- PS-01-a-175 The effects of butyrate/DHA on apoptosis and apoptosis related factors in keloid fibroblasts**
 Noriaki Maeshige¹, Akane Ochi¹, Yuka Koga¹, Mikiko Uemura¹, Michiko Aoyama-Ishikawa¹,
 Hayato Yamashita¹, Makoto Miyoshi¹, Taketo Inoue¹, Mayu Fujiwara¹, Motoki Kai¹, Yuya Nishikayama¹,
 Hiroto Terashi¹, Makoto Usami^{1,2}
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- PS-01-a-176 Relationship between nutritional intake and bone resorption among female high school track and field athletes**
 Aoi Ikedo, Aya Ishibashi, Saori Matsumiya, Aya Kaizaki, Koji Sato, Satoshi Fujita, Kumiko Ebi
 Ritsumeikan University, Japan

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- PS-01-a-177 Relationship between pulmonary function and nutritional status in community residents who receive nutrition counseling at a clinical nutrition center**
Yuki Tomikawa¹, Mariko Hayakawa¹, Kazuo Wakabayashi¹, Takako Tosa¹, Satoko Kawashima²
¹Nagoya Keizai University, Japan, ²Chibaken Saiseikai Narashino Hospital, Japan
- PS-01-a-178 Excessive Ultrafiltration is Paradoxically Related to Better Nutritional Status in Hemodialysis Patients**
Chien-Chun Wang, Wei-Shun Yang, Chung-Mei Ouyang, Hsin-Mei Fu, Hsiao-Chi Chang
National Taiwan University Hospital, Taiwan
- PS-01-a-179 Nutritional Factors Determine Outcome in Maintenance Hemodialysis Patients**
Hsin-Mei Fu, Hsiao-Chi Chang, Chien-Chun Wang, Chung-Mei Ouyang, Wei-Shun Yang
National Taiwan University Hospital, Taiwan
- PS-01-a-180 High Protein Low Phosphorus Snacks and Nutritional Status among Thai Children on Peritoneal Dialysis**
Korakot Weratean
Mahidol University, Thailand
- PS-01-a-181 Is insulin resistance a good indicator in chronic diabetes? A case-control study between chronic diabetic subjects and non-diabetic subjects**
Usha P.K. Hettiaratchi, Kasuni N.W. Walatara, Lohini V. Athiththan, Pradeep R. Perera, Yamuna M. Dissanayake
University of Sri Jayewardenepura, Sri Lanka
- PS-01-a-182 Influencing Factors on Nutritional Status among Patients with Hemodialysis**
Chung-Mei Ouyang¹, Yu-Ru Lin¹, Hsin-Mei Fu¹, Wei-Shun Yang²
National Taiwan University Hospital Hsin-Chu Branch
- PS-01-a-183 Obesity and its associated health problems among Indian adult Population**
Ravinder Kumar Soni
Dayanand Medical College and Hospital, India
- PS-01-a-184 Nutritional Assessment of Alcoholic Liver Disease Patients with Compensated Cirrhosis**
Rajoo Singh Chhina, Amit Berry, Dinesh Gupta, Navjot Bajwa, Deepinder Kaur Chhina
Dayanand Medical College and Hospital, India
- PS-01-a-185 Efficacy of GCE Supplemented Juice Drink, Diet and Exercise on Anthropometrics, Body Composition and Metabolics among Filipino and Vietnamese Adults**
Dave Clark D Sison¹, Rommel Jason Limos², Leonora N Panlasigui¹, Erniel B Barrios²
¹Philippine Women's University, Philippines, ²Del Monte Philippines Incorporated, Philippines
- PS-01-a-186 Prediction of four-year risk of developing diabetes, dyslipidemia, hypertension and metabolic syndrome by plasma free amino acid profiles**
Yoko Kageyama¹, Kenji Nagao¹, Akira Imaizumi¹, Mizuki Tani², Akiko Toda², Takayuki Tanaka¹, Hiroko Jinzu¹, Hiroshi Miyano¹, Hiroshi Yamamoto¹, Yuko Ishizaka², Minoru Yamakado²
¹Ajinomoto Co., Inc., Japan, ²Mitsui Memorial Hospital, Japan
- PS-01-a-187 School-Based Nutrition Education Intervention among Overweight/Obese Children**
Phyllis Addo
Sichuan University, China, University of Ghana, Ghana, University of Georgia, USA
- PS-01-a-188 The influence of exosome secreted by macrophage phagocytizing probiotics on adipocyte differentiation**
Takeshi Tsuruta², Ayako Aoki-Yoshida¹, Kei Sonoyama²
¹National Agriculture and Food Research Organization, Japan, ²Hokkaido University, Japan
- PS-01-a-189 A profiling of food selection of patients of lifestyle related disease**
Masami Shigenaga¹, Seiichi Chiba¹, Keisuke Ina¹, Fujikura Yoshihisa¹, Shibata Hirotaka²
Oita University, Japan
- PS-01-a-190 Association between body fat percentage and sleep disorders in Japanese female university students**
Eiko Ishikawa^{1,2}, Sumihisa Honda³, Hukuhiro Ueda¹, Jahng Doosub²
¹Hagoromo University of International Studies, Japan, ²Kyushu Institute of Technology Graduate School, Japan, ³Nagasaki University, Japan

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- PS-01-a-191 The association of body mass index with adipokines and aryl hydrocarbon receptor associated factors of severe obese subjects in Taiwan**
Yue-Hwa Chen¹, Yi-Chen Liao Liao¹, Weu Wang², I-Chi Cheng², Shu-Cheng Wei²
¹Taipei Medical University, Taiwan, ²Taipei Medical University Hospital, Taiwan
- PS-01-a-192 A Twelve-Week Calorie Restriction Combined with N-3 Polyunsaturated Fatty Acid Reduces Metabolic Syndrome Severity in Middle-Aged Obese MetS Subjects**
Hsiu-Chuan Lee, Chun-Jung Kao, Shih-Yi Huang
Taipei Medical University, Taiwan
- PS-01-a-193 Petasites japonicas(Meowi) improves obesity and metabolic syndrome related inflammation in obese diabetic KK-Ay mice**
Min-Sook Kang¹, Eun-Mi Ahn^{1,2}, Young Kim¹
¹NAAS, Korea, ²Chonbuk National University, Korea
- PS-01-a-194 Stress as the main predictor of disordered eating behaviors in Malaysian university students**
Wan Ying Gan, Mohd Nasir Mohd Taib
Universiti Putra Malaysia, Malaysia
- PS-01-a-195 The Effects of Respiration on the Weights of Seven Body-regions measured with a Body-region Separately Weighing System**
Noriko Kurata¹, Sumiko Kurata², Tadao Kurata³
¹Chuo University, Japan, ²Tokyo Kasei Gakuin University, Japan, ³Niigata University of Pharmacy and Applied Life Sciences, Japan
- PS-01-a-196 Energy compensation in a meal preceded by low-calorie sweetener- and sugar-containing preload**
Wan Fathin Fariza Wan Mahmood, Nik Mazlan Mamat, Wan Azdie Mohd Abu Bakar, Nor Azwani Mohd Shukri
International Islamic University Malaysia, Malaysia
- PS-01-a-197 Tomato juice supplementation in young women reduces inflammatory adipokine levels independently of body fat reduction**
Ya-Yuan Chang, Pei-Min Chao
China Medical University, Taiwan
- PS-01-a-198 Sedentary behavior on the weekend increase risk of being obese in school age children: a comparison between rural and urban**
Imam A. Arundhana¹, Hamam Hadi²
¹Universitas Hasanuddin, Indonesia, ²Acheaf, Indonesia
- PS-01-a-199 Anti-obesity effects of fucoxanthin supplementation on middle-aged men**
Hitoshi Kamiya¹, Hiroyuki Akita¹, Ongyoku Ou², Masayuki Isono³, Yoshinobu Watanabe⁴, Aiko Sakai¹
¹FUJIMOTO HOLDINGS Co., Ltd., Japan, ²ORIENTAL INDUSTRIAL HEALTH ASSOCIATES Inc., ³WADA CALCIUM Pharmaceutical Co., Ltd., Japan, ⁴PIP Co., Ltd., Japan
- PS-01-a-200 Blood Bio-Chemical Parameters, Anthropometric Indices and Macronutrient Intake in Obese Malaysian Adults**
Soma R Mitra, Pui Yee Tan
University of Nottingham in Malaysia, Malaysia
- PS-01-a-201 Application of Health Belief Model in the development of Health Care Service For Young Obese Patients**
BenyaPanya Pakjira, Raungkhajon Ponpis
Songklanagarin Hospital, Thailand
- PS-01-a-202 A Community - Based Intervention Study to Reduced Overweight in Thai Children**
Mayurachat Kanyamee¹, Panadda Netprapai², Pongoon Jungam³
¹Srinakharinwirot University, Thailand, ²The Royal Thai Navy College of Nursing, Thailand, ³Wang Nuang Kindergarten School, Thailand
- PS-01-a-203 Effectiveness of School-Based Intervention Program to Control Obesity and Cardiovascular Risk Factors Among**
Chutima Leelittam Sirikulchayanonta, Penmat Sukhonthachit, Wichai Aekplakorn, Chatrapa Hudthagosol
Mahidol University, Thailand

Program

- PS-01-a-204 The Effects of Deep Respiration on the Weights of Seven Body-regions measured with a Body-region Separately Weighing System**
Tadao Kurata¹, Noriko Kurata², Sumiko Kurata³
¹Niigata University of Pharmacy and Applied Life Sciences, Japan, ²Chuo University, Japan, ³Tokyo Kasei Gakuin University, Japan
- PS-01-a-205 Calorie Restricted Low Glycemic Index Diet and Caloried Restricted Diet to Achieve Healthy Weight Loss: A Comparative Study**
Rosario R. Acosta¹, Trinidad Trinidad², Leonora Panlasigue³
¹De La Salle Health Science Institute, Philippines, ²Food and Nutrition Research Institute - Department of Science and Technology, Philippines, ³Philippine Women's University, Philippines

AM Nutritional Epidemiology 1

- PS-01-a-206 Questionnaire survey on the adherence to diet therapy for the maintenance of remission in patients with inflammatory bowel diseases**
Hiroko Aiki¹, Kan Uchiyama², Kanako Saruta², Shunichi Odahara², Zensho Ito², Kazuhiro Watanabe², Susumu Hayashi², Toshifumi Ohkusa², Hiroshi Yoshida²
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- PS-01-a-207 Urinary iodine excretion of Japanese adults from a nationwide survey and dietary sources of iodine excretion assessed with diet records**
Ryoko Katagiri¹, Keiko Asakura¹, Shizuko Masayasu², Satoshi Sasaki¹
¹The University of Tokyo, Japan, ²Ikurien-naka, Japan
- PS-01-a-208 Assessment of nutritional status of under five year tribal children in the districts of Meghalaya state**
Amruth Rao Parveda, Mallikarjuna Rao K, Meshram Indrapal, Laxmaiah Avula
National Institute of Nutrition, ICMR, India
- PS-01-a-209 Validity of a Food Frequency Questionnaire to assess Long-chain Polyunsaturated Fatty Acid Intake in pregnant Japanese women**
Minatsu Kobayashi¹, Eri Nakayama¹, Katsunori Jwe², Kohei Ogawa², Takeo Fujiwara²
¹Otsuma Women's University, Japan, ²National Research Institute for Child Health and Development, Japan
- PS-01-a-210 Prevalence of Vitamin D deficiency Among Iranian Women Employees in Rafsanjan University of Medical Sciences**
Zinat Salem
Rafsanjan University of Medical Sciences, Iran
- PS-01-a-211 Effect of macronutrient, fiber and micronutrient intakes on anthropometric measurements among children aged 10 and 11 years in Malaysia**
Ruzita Abd Talib, Bee Koon Poh, Hui Chin Koo
Universiti Kebangsaan Malaysia, Malaysia
- PS-01-a-212 Assessment of nutritional status of preschool children in the Bangang rural community, Cameroon**
Nicolas Policarpe Nolla¹, Marie Modestine Kanasop¹, Marlyne Josephine Mananga^{1,2}, Tetanye Ekoue³, Innocent Gouado¹
¹University of Douala, Cameroon, ²University of Yaounde I, Cameroon
- PS-01-a-213 A population intake model of Vitamin B2 and potassium in adults in China**
Carlos Lara, Patrick Detzel
Nestle Research Center Switzerland, Switzerland
- PS-01-a-214 Food variety, dietary diversity, nutrient adequacy and their associations with demographic factors and nutritional status in Thai school-aged children: SEANUTS-study**
Nipa Rojroongwasinkul¹, Atitada Boonpradern¹, Wanphen Wimonpeerapattana¹, Ilse Khouw²
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- PS-01-a-215 The contributing foods for Se intake among Korean adults based 5th Korean National Health and Examination Study**
Okhee Lee
Yongin University, Korea

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- PS-01-a-216 Parental versus child reporting of the child's food group intake**
Saori Kamiya, Yuya Kakutani, Naomi Omi
University of Tsukuba, Japan
- PS-01-a-217 Diet quality is related to obesity among older Chinese people**
Xiaoyue Xu¹, John Hall¹, Julie Byles¹, Shi Zumin²
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- PS-01-a-218 Environment factors and body mass index in SEANUTS study: a structural equation modeling approach**
Wanphen Wimonpeerapattana¹, Nipa Rojroongwasinkul¹, Atitada Boonpradern¹, Wiyada Thasanasuwan¹, Paul Deurenberg², Marjolijn Bragt³
¹*Mahidol University, Thailand,* ²*Nutrition Consultant, Malaysia,* ³*FrieslandCampina Development Centre AMEA, Singapore*
- PS-01-a-219 Food Consumption, Nutritional Quality of the Diet and Body Mass Index of Indonesian Females**
Khoirul Anwar, Hardinsyah Hardinsyah, Nazhif Gifari
Bogor Agricultural University, Indonesia
- PS-01-a-220 Body mass index in Japanese children and adolescents: A 12-year longitudinal study**
Sanae Ito¹, Rieko Tomimatsu¹, Momoko Kodama², Kazuhiro Uenishi¹, Masako Kobayashi¹, Hiromi Ishida¹
¹*Kagawa Nutrition University, Japan,* ²*Tekyo Heisei University, Japan*
- PS-01-a-221 Sign and symptoms of sodium restriction and dietary salt (sodium) requirement obtained from the metabolic studies in young Japanese females**
Mamoru Nishimuta^{1,2}, Naoko Kodama^{1,3}, Yutaka Yoshitake^{1,4}, Mieko Shimada^{1,5}, Naho Serizawa³
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- PS-01-a-222 The influence of breakfast skipping on nutrient adequacy in Thai children aged 3-12.9 years old: the SEANUTS study**
Sasiumphai Purttiponthanee¹, Nipa Rojroongwasinkul¹, Atitada Boonpradern¹, Wanphen Wimonpeerapattana¹, Ilse Khouw²
¹*Mahidol University, Thailand,* ²*FrieslandCampina Development Centre AMEA, Singapore*
- PS-01-a-223 Prevalence of Anemia in the Philippines is Declining**
Leah A. Perlas, Juanita M. Marcos, Josefina A. Desnacido, Imelda A. Agdeppa
Food and Nutrition Research Institute, Philippines
- PS-01-a-224 Dietary patterns are differentially associated with inflammatory variables in adults**
Jane C-J Chao¹, Pei-Ling Tsai¹, Chien-Yeh Hsu², Hsiao-Hsien Rau¹, Chwen-Keng Tsao³, Bo-Ying Li¹
¹*Taipei Medical University, Taiwan,* ²*National Taipei University of Nursing and Health Sciences, Taiwan,* ³*MJ Health Management Institution*
- PS-01-a-225 Reduction of food intake and body weight by the odor of Osmanthus fragrans**
Takashi Yamamoto, Kayoko Ueji, Yuji Minematsu
Kio University, Japan
- PS-01-a-226 Dietary Habits And Sedentary Behaviors Of Adolescents In Qatar : The Effect Of Gender And Nationality**
Kerkadi Abdelhamid¹, Sadeg Hassan Abdelmoneim¹, Al Chetachi Walaa², Al Abdi Tamara¹, Al Thani A;I Anoud², Ali Al Malki Badria²
¹*Qatar University, Japan,* ²*Supreme Council of Health, Japan*
- PS-01-a-227 Food intakes and the food portion size in healthy free-living Japanese elderly**
Kanakano Muramatsu¹, Reiko Watanabe¹, Satoshi Sasaki², Akihiro Yoshihara³, Hideo Miyazaki³
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- PS-01-a-228 Study of trans fatty acids intake from processed food by food frequency questionnaire**
Yuki Sakakura
Ibaraki Christian University, Japan
- PS-01-a-229 Estimating the prevalence of child malnutrition and mortality among the pastoral community of Tonj North County, South Sudan**
Cyprian Ouma
World Vision, Kenya

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- PS-01-a-230 Assessment of nutrient intake and urinary sodium excretion among UAE University female staff and student: cross-sectional study**
Amjad Hasan Jarrar, Ayesha Salem Al Dhaheri, Nada Jaber, Huda Al Hourani, Fatima Al Meqbaali
United Arab Emirates University, United Arab Emirates
- PS-01-a-231 NCD monitoring system in the Asia-Pacific countries; current availability and constraints of the data from nationwide health and nutrition surveys**
Miki Miyoshi¹, Nobuo Yoshiike²
¹National Institute of Health and Nutrition, Japan, ²Aomori University of Health and Welfare, Japan
- PS-01-a-232 Validity of a Data-Based Semi-Quantitative Food Frequency Questionnaire Developed for the Eastern Rural Area of Rwanda**
Ayumi Yanagisawa¹, Noriko Sudo¹, Yukiko Amitani¹, Caballero Yuko¹, Makiko Sekiyama², Nael Aoun², Christine Mukamugema³, Simeon Runesha³, Takuya Matsuoka⁴, Hiroaki Imanishi⁴, Takayo Sasaki⁴, Hirotaka Matsuda²
¹Ochanomizu University, Japan, ²The University of Tokyo, Japan, ³World Vision Rwanda, Rwanda, ⁴World Vision Japan, Japan
- PS-01-a-233 Anthropometric profiles and body composition among university athletes in University Malaya**
Norafifah Ahmad Shabri¹, Nik Shanita Safii¹, Sareena Hanim Hamzah²
¹National University of Malaysia, Malaysia, ²University Malaya, Malaysia
- PS-01-a-234 Influence of the Dietary Fat Ratio on Food Groups Intakes and Metabolic Syndrome between Northern and Southern Chinese Adults(CHNS 2009)**
Fangfang Song, Mi Sook Cho
Ewha Womans University, Korea
- PS-01-a-235 MyBreakfast Study: A Nationwide Survey on Breakfast Habits among School Children in Malaysia**
Norimah A. Karim¹, Hamid Jan Jan Mohamed², E. Siong Tee³, Mohd Nasir Mohd Taib⁴, Sue Yee Tan⁵, Mahenderan Appukutty⁶, Nurliyana Abdul Razak⁴, Frank Thielecke⁷, Sinead Hopkins⁷, Moi Kim Ong⁸, Celia Ning⁸
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- PS-01-a-236 Utilization of Iron Fortified Rice by Preschoolers in Davao City, Philippines**
Nelca Stephany M Umblero
University of the Immaculate Conception, Philippines
- PS-01-a-237 Nutritional Status, Energy and BCAA intakes of school children in East Java, Indonesia**
Idrus Jus'at, Lilis Komariah, Mury Kuswary, Erry Yudhya Mulyani, Rachmanida Nuzrina
Esa Unggul University, Indonesia
- PS-01-a-238 Gender difference in consumption pattern of taking dietary supplements using 2007-2009 Korea National Health and Nutrition Examination Survey**
Yun Jeong Lee¹, Minji Kang¹, Hee Young Paik¹, YoonJu Song²
¹Seoul National University, Korea, ²The Catholic University of Korea, Korea
- PS-01-a-239 Gender-specific FFQs could improve precision of risk estimation in the study of diet-colorectal cancer relationship**
Hanna Lee¹, Jae Eun Shim², Hee Young Paik¹
¹Seoul National University, Korea, ²Daejeon University, Korea
- PS-01-a-240 Development of nutrition quotients for South Korean adolescents**
Jung-Sug Lee¹, Myung-Hee Kang², Tong-Kyung Kwak³, Hae R. Chung⁴, Sehyug Kwon², Hye-Young Kim⁵, Ji-Yun Hwang⁶, Young-Sun Choi⁷
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- PS-01-a-241 Consumption of Vegetables and Fruits, and Energy-Dense Snacks of Adolescent Students in the Northeast of Thailand**
Benja Muktabhant, Krich Ruangchai
Khon Kaen University, Thailand

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- PS-01-a-242 Development of nutrition quotients for healthy dietary life of Korean children**
 Hye-Young Kim¹, Hae Rang Chung², Sehyug Kwon³, Tong-Kyung Kwak⁴, Myung-Hee Kang³,
 Ji-Yun Hwang⁵, Jung-Sug Lee⁶, Young-Sun Choi⁷
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- PS-01-a-243 Development of nutrition quotients for South Korean preschoolers**
 Ji-Yun Hwang¹, Myung-Hee Kang², Tong-Kyung Kwak³, Hae R. Chung⁴, Sehyug Kwon⁵, Hye-Young Kim⁶,
 Jung-Sug Lee⁷, Young-Sun Choi⁸
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- PS-01-a-244 Waist-Height Ratio (WHR) : A Potential Obesity Index for Filipinos?**
 Consuelo L. Orense
Food and Nutrition Research Institute, Philippines

AM Nutrition Education/Community Nutrition 1

- PS-01-a-245 Evaluation of the developed dietary menu booklet for pregnant women in Sri Lanka**
 Thakshila Adikari¹, Ramaiya Sivakanesan², Chandrani Liyanage³, Nihal Wijesinghe²
¹Wayamba University of Sri Lanka, Sri Lanka, ²University of Peradeniya, Sri Lanka, ³University of Ruhuna, Sri Lanka
- PS-01-a-246 Influences of parents' awareness on nutrition education at home for preschoolers**
 Eiko Sakai, Tikara Kitagawa, Ayu Morioka, Kaori Sueda
Aichi Gakuin University, Japan
- PS-01-a-247 The Necessary item of the Questionnaire of Nutrition Knowledge for Young Children**
 Mai Matsumoto, Chiaki Murayama, Shinji Ikemoto
Seitoku University, Japan
- PS-01-a-248 Effects of Nutritional Education to Improve One' s Chewing behavior toward Nursery School Children**
 Yukari Ueda, Yukari Muramoto, Motoko Matsui, Kimiko Ohtani
Kyoto Prefectural University, Japan
- PS-01-a-249 Development of nutrition education program for kindergarten children ~ become close to vegetables~**
 Chiho Myojin¹, Satsuki Kawamura¹, Yukako Sato¹, Akiko Jyokoden², Masako Kawanishi¹
¹Kinki University, Japan, ²Kinki University Kindergarten, Japan
- PS-01-a-250 Development of effective nutrition education program for nursery school children aged 4-5**
 Masako Kawanishi¹, Chiho Myojin¹, Satsuki Kawamura¹, Yukako Sato¹, Noriko Oita²
¹Kinki University, Japan, ²Gokurakubo Nursery School, Japan
- PS-01-a-251 Effects on behavioral changes of dietary assessments that kindergarten children can make themselves**
 Ayane Makino¹, Mariko Hayakawa¹, Kazuo Wakabayashi¹, Aimi Moriya¹, Marina Hayashi¹, Narumi Higa¹,
 Maya Uenobe¹, Sinsaku Ueno¹, Yuki Tomikawa¹, Hiroyuki Horio¹, Saya Nakamura¹, Fumio Suzuki²
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- PS-01-a-252 The status of nutrition education using the three-color classification system for food groups for nutrition education for schoolchildren**
 Yui Kojima, Rie Akamatsu
Ochanomizu University, Japan
- PS-01-a-253 Community Participation and Nutritional Status of Children in Early Child Development Services in Sinjai District, South Sulawesi Indonesia**
 Endang Ruswiyani¹, Sitti Patimah², Abdul R. Thaha³
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- PS-01-a-254 Effectiveness of Obesity Control Program among Elementary School Children in Bogor Indonesia**
Siti Madanijah, Naufal M Nurdin, Ai Kustiani, Besti Verawati, Lutfi F Purwandani
Bogor Agricultural University, Indonesia
- PS-01-a-255 Parental feeding practices influence children's weight status and their eating behaviors: a systematic review of longitudinal studies**
Wannachanok Boonchoo, Yukari Takemi
Kagawa Nutrition University, Japan
- PS-01-a-256 The effect of pre-meal nutrition education on nutrition knowledge, attitudes, and dietary intake in fifth grade students of Taiwan**
Shyuan Hsieh¹, Wunsin Guo¹, Yu-Jhen Chang¹, Yueching Wong^{1,2}
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- PS-01-a-257 Association of dietary behaviors and quality of life among fifth-grade students**
Tatsuaki Sakamoto¹, Kouhei Hosoda²
¹*Jin-ai University, Japan, ²University of Niigata Prefecture, Japan*
- PS-01-a-258 Development and implementation of K-Notes or Kuaderno Para sa Kalusugan in selected private schools in Bacoor, Cavite, Philippines**
Idelia Garcia Glorioso, Milflor S Gonzales
Food and Nutrition Research Institute, Philippines
- PS-01-a-259 Association between culinary diversity of breakfast or evening meal and daily nutrient intake among junior high school students of Japan**
Naoko Hirota
Matsumoto University, Japan
- PS-01-a-260 Food Purchasing Behaviours, Perceived Weight Status, Nutrition Knowledge As Food Label Use Determinants Among Adolescents In India**
Snehasree Saha¹, Sudershan Rao Vemula², Vishnu Vardhana Rao Mendu², Maruthi Subbarao Gavaravarapu²
¹*University Of Calcutta, India, ²Indian Council Of Medical Research, India*
- PS-01-a-262 A cluster randomized controlled trial to assess effectiveness of dietary lifestyle education program for adolescent in Kumamoto, Japan: baseline characteristics**
Junko Watanabe¹, Mariko Watanabe², Kazue Yamaoka³, Asuka Nemoto³, Misa Adachi⁴, Masako Yokotsuka¹, Toshiro Tango⁵
¹*Prefectural University of Kumamoto, Japan, ²Showa Women's University, Japan, ³Teikyo University, Japan, ⁴Nutrition Support Network LLC, Japan, ⁵Center for Medical Statistics, Japan*
- PS-01-a-263 Relationships between shokuiku opportunities, knowledge, attitudes and behaviors about eating and dietary social support among Japanese junior high school students**
Naomi Chisuwa, Toshi Haruki
Osaka city university, Japan
- PS-01-a-264 Constraints and Overcoming of Malnutrition in Urban Slum Women and Adolescent Girls**
Md. Ruhul Amin
University of South Asia, Bangladesh
- PS-01-a-265 Development of the educational material and method for understanding nutritional balance**
Yuko Sunami, Jun Oka
Tokyo Kasei University, Japan
- PS-01-a-266 Frequent family dinner and voluntary mealtime communication are associated with better dietary intake among adolescent girls**
Kumi Eto, Akemi Nakanishi, Yukari Takemi
Kagawa Nutrition University, Japan
- PS-01-a-267 Effect of school lunch on eating habits of junior high school students**
Yumiko Odashima¹, Tomoko Watanabe², Ayuho Suzuki²
¹*Aikoku Gakuen Junior College, Japan, ²Chiba Prefectural University of Health Sciences, Japan*
- PS-01-a-268 An Exploration of Over Nutrition-related Eating Behavior among Adolescents in Makassar City, South Sulawesi Province, Indonesia**
Healthy Hidayanty¹, Saptawati Bardosono², Helda Khusun³, Rita Damayanty², Rahayu Indriasari¹, Suriah Suriah¹
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PS-01-a-269 Dietary habits and folate intake of female students

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PS-01-a-270 The effects of the educational farm on Japanese university students

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AM Public Health Nutrition 1

PS-01-a-272 A review of previous efforts to monitor and evaluate the implementation of healthy food environment policies by governments

Sirinya Phulkerd¹, Mark Andrew Lawrence¹, Stefanie Vandevijvere², Tony Worsley¹, Gary Sacks¹

¹Deakin University, Australia, ²University of Auckland, New Zealand

PS-01-a-273 Promotion and utilization of breast-milk substitutes in Phnom Penh, Cambodia and Kathmandu, Nepal

Indu Adhikary¹, Alissa Pries², Khin Mengkheang³, Senendra Raj Upreti⁴, Shrid Dhungel¹, Sandra L. Huffman⁵

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PS-01-a-274 Changes in Glucose and Lipid Profile after Consumption of Moringa oleifera Leaves Products in Humans with Raised Glucose and Cholesterol

Rosario S. Sagum, Aida C. Mallillin, Trinidad P. Trinidad, Marco P. de Leon, Melissa P. Borlagdan, Kristine Bernadette B. Cid, James David S. Alcantara

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PS-01-a-275 Development of a numerical method for estimating nutritional requirements

Katsuhiko Yokoi

Seitoku University, Japan

PS-01-a-276 The development of the 2012 Nutritional Guidelines for Filipinos (NGF)

Robby Carlo A. Tan¹, Celeste C. Tanchoco^{2,3}, Arsenia J. Cruz², Mina Garce C. Aquino², Mario V. Capanzana¹

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PS-01-a-277 Community Kitchen Center for Feeding Children in Child Development Center (CDC) by Local Administration and Community, Thailand

Waralak Kongnoo¹, Surasak Singsarn², Saipin Chotivichien¹, Narong Saiwongse¹, Sa-nga Damapong¹

¹Ministry of Public Health, Thailand, ²Muang Kae Municipality, Thailand

PS-01-a-278 Using nutrition labels among Thai adults: sociodemographic factors and motivations

Wimalin Rimpeekool¹, Sam-ang Seubsman^{1,2}, Cathy Banwell¹, Martyn Kirk¹, Vasoontara Yiengprugsawan¹, Adrian Sleight¹

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PS-01-a-279 Effect of Multi Micronutrient Sprinkle on Hemoglobin Concentration, Growth, and Development of Children 6-24 months in Indonesia

Yustianti Monoarfa², Dwi Kusumawati⁴, A Sesca Uno^{3,4}, Abdul Salam¹, Abdul Razak Thaha¹, Anang Otoluwa¹

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PS-01-a-280 The Dynamic Role of Civil Society Organizations (CSOs) in Shaping Food Fortification Policy

Mary Christine R. Castro, Juan Antonio A. Solon, Cherry C. Maramag, Eusebeia Joy B. Mendoza

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- PS-01-a-281 Effect of current subsidy policy and socio-demographic components on milk consumption in west Azarbayejan, Iran, 2014**
Fatemeh Esfarjani, Fatemeh Mohammadi, Roshanak Roustae, Marjan Khalafi, Haleh Alikhanian, Arash Rashidi
Shahid Beheshti University of Medical Sciences, Iran
- PS-01-a-282 Menu Labeling and Food Choices**
Clarissa B Juanico
University of the Philippines Los Banos (UPLB), Philippines
- PS-01-a-283 Dynamic Model Approach Estimate Incidence Type 2 Diabetes Mellitus In South Sulawesi, Indonesia**
Bohari Bohari
Hasanuddin University, Indonesia
- PS-01-a-284 Feasibility Study on the Implementation of a Physical Activity Guide in Elementary Schoolchildren in Selected School in Manila, Philippines**
Marilou L. Madrid, Celeste C. Tanchoco, Consuelo L. Orense, Noelle Lyn C. Santos, Merlyn G. Tajan, Edward Vincent J. Magtibay
Food and Nutrition Research Institute, Philippines
- PS-01-a-285 Health expenditure and its impact on LBW, MMR and IMR in Situbondo District, Indonesia**
Siti Rahayu Nadhiroh
Universitas Airlangga, Indonesia
- PS-01-a-286 Let 's think over the Dietary Reference Intakes for Japanese**
Shintaro Saomoto¹, Mieko Kimura^{1,2}, Masayo Imanishi¹, Takahisa Takeda¹, Toshikazu Yoshikawa²
¹Takeda Research Institute of Life Science, Japan, ²Kyoto Prefectural University of Medicine, Japan
- PS-01-a-287 A Multi-Criteria Mapping of Stakeholders Views on Intervention Options for Alleviating Micronutrient Deficiencies among Children and Women in Thailand**
Chaniphun Butryee¹, Krongkaew Konnark², Yves Kameli³, Pattanee Winichagoon¹
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- PS-01-a-288 Appraisal of various options on nutritional interventions for improving micronutrient status in Indonesia: Application of Multiple Criteria Mapping (MCM) methodology**
Siti Muslimatun^{1,2}, Airin Roshita^{1,3}, Yves Kameli⁴, Evi Ermayani¹
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- PS-01-a-289 Factors Related to Changes in Perceived Health Status of Married Han Chinese and Korean-Chinese Women after Immigration to Korea**
Kana Asano¹, Si Hyun Ryu², Jihyun Yoon¹
¹Seoul National University, Korea, ²Paichai University, Korea
- PS-01-a-290 Development of Quality Control and Quality Assurance for Iodized Salt Learning Center at Bo-Kluea district, Nan Province**
Chutimon Khemthong, Pairoj Luangpituksa, Yuraporn Sahasakul
Mahidol University, Thailand
- PS-01-a-291 Evaluation and Development of Salt Producers After Iodine Mixing Machine Subsidization: Thai Ministry of Public Health's Policy**
Yuraporn Sahasakul¹, Pairoj Luangpituksa², Araya Rojjanawanicharkorn³
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- PS-01-a-292 Ensuring Responsive Action and Program Policy with Real-time Data Management**
Sudirman¹, Linda Wibowo¹, Mandri Apriatni¹, Husni Muadz², Rosiady Sayuti², Elizabeth L Prado^{1,4}, Khaerul Anwar³, Desy V Roslina¹, Tejo N Jati¹, Hariani Susiadi¹, Irawan Susiadi¹, Masjudin Efendi¹, Nurul F Dewi¹, Iwan Budiutomo¹, Anuraj H Shankar⁵
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Aileen R. de Juras, Ma. Theresa Talavera, Angelina Bustos, Nancy Tandang, Wilfredo Carada, Mayo Grace Amit, Nelson Jose Vincent Querijero
University of the Philippines Los Banos, Philippines
- PS-01-a-294 Associations of Household Income and Education with Eating Behaviors in Japanese Adults: A Cross-sectional Analysis**
Saki Nakamura¹, Takayo Inayama¹, Kikuko Hata¹, Munehiro Matsushita^{2,3}, Masaki Takahashi², Kazuhiro Harada⁴, Takashi Arao²
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- PS-01-a-295 Fasting glucose as a useful predictor for cerebrovascular risk and its complication in non-diabetes: association with oxidative stress and inflammation**
Ga Yoon Na¹, Oh Yoen Kim¹, So Ra Yoon¹, Jae Hyang Lee¹, Jae-Kwan Cha²
¹Dong-A Univ., Korea, ²Dong-A University Hospital, Korea
- PS-01-a-296 Lower proportion of docosahexaenoic acid in serum phospholipids is associated with increased cardiovascular risk: inverse relationship with arterial stiffness**
Oh Yoen Kim¹, Mi-Hyang Lee^{1,2}, So Ra Yoon¹, Young-Guk Ko³, Jong Ho Lee²
¹Dong-A Univ., Korea, ²Yonsei Univ., Korea, ³Severance Hospital, Korea
- PS-01-a-297 Antrodia cinnamomea Alleviates Cisplatin-Induced Hepatotoxicity and Enhances Chemo-Sensitivity of Line-1 Lung Carcinoma Cells in Xenografted BALB/cByJ Mice**
Yi-Han Chiu¹, Tse-Hung Huang^{2,3}, Yi-Lin Chan⁴, Chang-Jer Wu¹
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Ehime University, Japan
- PS-01-p-002 Colonic hydrogen derived from fructooligosaccharides reduces secretion of adipocytokines in obese rats and mice**
Tanabe Hiroki, Nonoka Matsumura, Tatsuro Yamamoto, Naomichi Nishimura
Nayoro City University, Japan
- PS-01-p-003 Noncompetitive inhibition of D-Tagatose and D-Allose on small intestinal sucrase activity in the rats**
Junko Kizu, Haruka Ozaki, Kumiko Okabe, Aoi Hosono, Kazuhiko Yamada
Kagawa Nutrition University, Japan
- PS-01-p-004 Effects of Gelidium amansii on lipids metabolism in diabetic rats**
Tsong-Han Yang, Hshuan-Chen Liu, Chun-Ju Chang, Meng-Tsan Chiang
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Mariko Toh¹, Noriko Suzuki-kemuriyama², Yuki Fushimi², Eriko Yoshida², Hiroshi Ohno², Junko Kato², Matsuzaka Takashi², Nobuhiro Yamada², Kaoruko Iida¹, Hitoshi Shimano²
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- PS-01-p-006 Influence of a fatty acid desaturase gene polymorphism on blood long-chain polyunsaturated fatty acids: comparison between young and elderly women**
Sayaka Horiguchi¹, Kazuhiro Nakayama², Sadahiko Iwamoto², Akiko Ishijima³, Takayuki Minezaki³, Mamiko Baba³, Yoshiko Kontai⁴, Chika Horikawa⁵, Hiroshi Kawashima⁵, Hiroshi Shibata⁵, Yasuo Kagawa¹, Terue Kawabata¹
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