

Chocolate and Cocoa Research

Reports on chocolate and cocoa research

<p>Elevated CO2 Influences the Growth, Root Morphology, and Leaf Photosynthesis of Cacao (<i>Theobroma cacao</i> L.) seedlings (2023)</p>	<p>Author</p>	<p>Akiko Ishida ^{1,3}, Isao Ogiwara ², Sakae Suzuki ^{1 2}</p> <p>1) Food Science & Technology Research Laboratories, R&D Division, Meiji Co., Ltd. 2) United Graduate School of Agricultural Sciences, Tokyo University of Agriculture and Technology 3) Faculty of Agriculture, Tokyo University of Agriculture and Technology</p>
<p>Effect of Flavanol-Rich Cacao Extract on the Profile of Mood State in Healthy Middle-Aged Japanese Women: A Randomized, Double-Blind, Placebo-Controlled Pilot Study (2023)</p>	<p>Author</p>	<p>Rika Murakami ¹, Midori Natsume ¹, Kentaro Ito ¹, Shukuko Ebihara ², and Masakazu Terauchi ³</p> <p>1) R&D Division, Meiji Co., Ltd. 2) Ciyoda paramedical Care Clinic 3) Department of Women's Health, Tokyo Medical and Dental University</p>
<p>Beneficial Effects of the Intake of Chocolate-covered Almonds on Bowel Movement and Skin Conditions (2021)</p>	<p>Author</p>	<p>Yukari Kato ¹, Midori Natsume ¹, Kyoko Ito ¹, Aiko Nakano ¹, Kosuke Ozawa ¹, Masayuki Sato ¹, Taketo Yamaji ¹, Hiroyoshi Inoue ²</p> <p>1) R&D Division, Meiji Co., Ltd. 2) Department of Chemistry, Keio University</p>
<p>Effect of cacao polyphenol-rich chocolate on postprandial glycemia, insulin, and incretin secretion in healthy participants (2021)</p>	<p>Author</p>	<p>Yuka Kawakami Ph.D. ¹, Yuki Watanabe B.S. ¹, Megumi Mazuka B.S. ¹, Natsuki Yagi M.S. ¹, Ayako Sawazaki M.S. ², Megumi Koganei B.S. ², Midori Natsume Ph.D. ², Kiyonori Kuriki Ph.D. ³, Tatsuya Morimoto M.D., Ph.D. ⁴, Toshihiko Asai M.D., Ph.D. ⁵, Hidekazu Arai Ph.D. ¹</p> <p>1) Laboratory of Clinical Nutrition and Management, Graduate Division of Nutritional and Environmental Sciences, and Graduate School of Integrated Pharmaceutical and Nutritional Sciences, The University of Shizuoka 2) R&D Division, Meiji Co., Ltd. 3) Laboratory of Public Health, Graduate Division of Nutritional and Environmental Sciences, and Graduate School of Integrated Pharmaceutical and Nutritional Sciences, The University of Shizuoka 4) Division of Molecular Medicine, Graduate Division of Pharmaceutical Sciences, and Graduate School of Integrated Pharmaceutical and Nutritional Sciences, The University of Shizuoka 5) Asai Clinic</p>
<p>Fat Bloom Caused by Partial De-Oiling on Chocolate Surfaces after</p>	<p>Author</p>	<p>Sohei Sato ^{1,2}, Hironori Hondoh ³, Satoru Ueno ²</p> <p>1) Meiji Co., Ltd. 2) Graduate School of Integrated Sciences for Life,</p>

High-Temperature Exposure (2020)		Hiroshima University 3) School of Food and Nutritional Science, University of Shizuoka
	Journal	Journal of the American Oil Chemists' Society (2020) DOI : 10.1002/aocs.12447
Gender difference in the effect of cacao polyphenols on the blood pressure and glucose/lipid metabolism in prediabetic subjects: a double-blinded, randomized, placebo-controlled crossover trial (2019)	Author	Kazuki Shiina ¹ , Hirofumi Tomiyama ¹ , Chisa Matsumoto ¹ , Syusuke Komatsu ¹ , Midori Natsume ² , Chisato Oba ² , Yukio Ohshiba ² , Taketo Yamaji ² , Taishiro Chikamori ¹ , Akira Yamashina ¹ 1) Department of Cardiology, Tokyo Medical University, Tokyo, Japan 2) R&D Division, Meiji Co., Ltd, Tokyo, Japan
	Journal	Hypertension Research published online: 17 January 2019(2019)
Effects of dark chocolate Intake on Physical Functions in Japanese Subjects. (2018)	Author	Midori Natsume, Hirohito Ishikawa, Yoshikazu Kawabe, Tomoyuki Watanabe, and Toshihiko Osawa
	Journal	Advances in Clinical and Translational Research Volume2, Issue3, Article ID:100012 (2018)
Polyphenols:Inflammation (2018)	Author	Natsume M
	Journal	Current Pharmaceutical Design 24(2): 191-202 (2018)
Suppressive effects of cacao polyphenols on the development of atherosclerosis in apolipoprotein e-deficient mice (2014)	Author	Natsume M, Baba S
	Journal	Lipid Hydroperoxide-Derived Modification of Biomolecules 77:189-198(2014)
Cinnamtannin A2, a tetrameric procyanidin, increases GLP-1 and insulin secretion in mice (2013)	Author	Yamashita Y, Okabe M, Natsume M, Ashida H
	Journal	Bioscience, Biotechnology, and Biochemistry 77(4):888-891(2013)
Cacao liquor procyanidin extract improves glucose tolerance by enhancing GLUT4 translocation and glucose uptake in skeletal muscle (2012)	Author	Yamashita Y, Okabe M, Natsume M, Ashida H
	Journal	Journal of Nutritional Science 1(2):1-9(2012)
Comparison of anti-hyperglycemic activities between low- and high-degree of polymerization procyanidin fractions from cacao liquor extract (2008)	Author	Yamashita Y, Okabe M, Natsume M, Ashida H
	Journal	Journal of Food and Drug Analysis 20:283-287(2008)
Cacao polyphenols influence the regulation of apolipoprotein in HepG2 and Caco2 cells (2011)	Author	Yasuda A, Natsume M, Osakabe N, Kawahata K, Koga J
	Journal	Journal of Agricultural and Food Chemistry 59(4):1436-1441 (2011)

Cacao liquor proanthocyanidins inhibit lung injury induced by diesel exhaust particles (2008)	Author	Yasuda A, Takano H, Osakabe N, Sanbongi C, Fukuda K, Natsume M, Yanagisawa R, Inoue K, Kato Y, Osawa T, Yoshikawa T.
	Journal	International Journal of Immunopathology and Pharmacology 21(2): 279-288 (2008)
Cacao procyanidins reduce plasma cholesterol and increase fecal steroid excretion in rats fed a high-cholesterol diet (2008)	Author	Yasuda A, Natsume M, Sasaki K, Baba S, Nakamura Y, Kanegae M, Nagaoka S
	Journal	BioFactors 33(3): 211-223 (2008)
Inhibitory effects of conjugated epicatechin metabolites on peroxynitrite-mediated nitrotyrosine (2008)	Author	Natsume M, Osakabe N, Yasuda A, Osawa T, Terao J
	Journal	Journal of Clinical Biochemistry and Nutrition 42(1): 50-53 (2008)
Continuous intake of polyphenolic compounds containing cocoa powder reduces LDL oxidative susceptibility and has beneficial effects on plasma HDL-cholesterol concentrations in humans (2007)	Author	Baba S, Osakabe N, Kato Y, Natsume M, Yasuda A, Kido T, Fukuda K, Muto Y, Kondo K
	Journal	The American Journal of Clinical Nutrition 85(3): 709-717 (2007)
Plasma LDL and HDL cholesterol and oxidized LDL concentrations are altered in normo and hypercholesterolemic humans after intake of different levels of cocoa powder (2007)	Author	Baba S ¹ , Natsume M, Yasuda A, Nakamura Y, Tamura T, Osakabe N, Kanegae M, Kondo K
	Journal	The Journal of Nutrition 137(6): 1436-1441 (2007)
Suppressive effects of cacao liquor polyphenols (CLP) on LDL oxidation and the development of atherosclerosis in Kurosawa and Kusanagi-hypercholesterolemic rabbits (2005)	Author	Kurosawa T, Itoh F, Nozaki A, Nakano Y, Katsuda S, Osakabe N, Tsubone H, Kondo K, Itakura H
	Journal	Atherosclerosis 179(2): 237-246 (2005)
Ingestion of proanthocyanidins derived from cacao inhibits diabetes-induced cataract formation in rats (2004)	Author	Osakabe N, Yamagishi M, Natsume M, Yasuda A, Osawa T
	Journal	Experimental Biology and Medicine 229(1): 33-39 (2004)
Chemoprevention of lung carcinogenesis by cacao liquor proanthocyanidins in a male rat multi-organ carcinogenesis model. (2003)	Author	Yamagishi M, Natsume M, Osakabe N, Okazaki K, Furukawa F, Imazawa T, Nishikawa A, Hirose M
	Journal	Cancer Letters 191(1): 49-57 (2003)

Effects of cacao liquor proanthocyanidins on PhIP-induced mutagenesis in vitro, and in vivo mammary and pancreatic tumorigenesis in female Sprague-Dawley rats. (2002)	Author	Yamagishi M, Natsume M, Osakabe N, Nakamura H, Furukawa F, Imazawa T, Nishikawa A, Hirose M
	Journal	Cancer Letters 185(2): 123-130 (2002)
Anticlastogenic activity of cacao: inhibitory effect of cacao liquor polyphenols against mitomycin C-induced DNA damage (2001)	Author	Yamagishi M, Osakabe N, Natsume M, Adachi T, Takizawa T, Kumon H, Osawa T
	Journal	Food and Chemical Toxicology 39(12): 1279-1283 (2001)
Daily cocoa intake reduces the susceptibility of low-density lipoprotein to oxidation as demonstrated in healthy human volunteers (2001)	Author	Osakabe N, Baba S, Yasuda A, Iwamoto T, Kamiyama M, Takizawa T, Itakura H, Kondo K
	Journal	Free Radical Research 34(1): 93-99 (2001)
Cacao liquor polyphenols reduces oxidative stress without maintaining α-tocopherol levels in rats fed a vitamin e-deficient diet (2001)	Author	Yamagishi M, Osakab N, Takizawa T, Osawa T
	Journal	Lipids 36(1): 67-71 (2001)
Antimutagenic activity of cacao: inhibitory effect of cacao liquor polyphenols on the mutagenic action of heterocyclic amines (2000)	Author	Yamagishi M, Natsume M, Nagaki A, Adachi T, Osakabe N, Takizawa T, Kumon H, Osawa T
	Journal	Journal of Agricultural and Food Chemistry 48(10): 5074-5078 (2000)
Effects of polyphenol substances derived from <i>theobroma cacao</i> on gastric mucosal lesion induced by ethanol (2000)	Author	Osakabe N, Sanbongi C, Yamagishi M, Takizawa T, Osawa T
	Journal	Bioscience, Biotechnology, and Biochemistry 62(8): 1535-1538 (2000)