

# Dairy Product and Milk Component Research

Reports on dairy product and milk component research

<p><b>Inverse Association between Cheese Consumption and Lower Cognitive Function in Japanese Community-Dwelling Older Adults Based on a Cross-Sectional Study. (2023)</b></p>	<p>Author</p>	<p>Hunkyung Kim <sup>1)</sup>, Yosuke Osuka <sup>2)</sup>, Narumi Kojima <sup>2)</sup>, Hiroyuki Sasai <sup>2)</sup>, Kentaro Nakamura <sup>3)</sup>, Chisato Oba <sup>3)</sup>, Mayuki Sasaki <sup>3)</sup>, and Takao Suzuki <sup>4)</sup></p> <ol style="list-style-type: none"> <li>1) Gaon Research Center</li> <li>2) Research Team for Promoting Independence and Mental Health</li> <li>3) Nutrition and Food Function Research Department, Food Microbiology and Function Research Laboratories, R&amp;D Division, Meiji Co. Ltd.</li> <li>4) Institute of Gerontology, J.F. Oberlin University</li> </ol>
	<p>Journal</p>	<p>Nutrients 2013,15,3181. (2023)</p>
<p><b>Nutritional Value of Yogurt as a Protein Source: Digestibility/Absorbability and Effects on Skeletal Muscle. (2023)</b></p>	<p>Author</p>	<p>Koichiro Sumi <sup>1)</sup>, Ryoichi Tagawa <sup>1)</sup>, Kae Yamazaki <sup>1)</sup>, Kyosuke Nakayama <sup>1)</sup>, Chiaki Sanbongi <sup>1)</sup>, Takefumi Ichimura <sup>2)</sup> and Koichi Nakazato <sup>3)</sup></p> <ol style="list-style-type: none"> <li>1) Nutrition and Food Function Research Department, Food Microbiology and Function Research Laboratories, R&amp;D Division Meiji Co., Ltd.</li> <li>2) Next Generation Monozukuri Research Department, Food Science &amp; Technology Research Laboratories, R&amp;D Division Meiji Co., Ltd.</li> <li>3) Department of Exercise Physiology, Nippon Sports Science University</li> </ol>
	<p>Journal</p>	<p>Nutrients 2023,15,4366. (2023)</p>
<p><b>Absolute quantification of bovine lactadherin to screen the anti-rotavirus activity of dairy ingredients. (2023)</b></p>	<p>Author</p>	<p>Sato K<sup>1)</sup>, Jinno S<sup>1)</sup>, Nakamura Y<sup>1)</sup>, Eto S<sup>2)</sup>, Inagaki M<sup>2)</sup></p> <ol style="list-style-type: none"> <li>1) Food Microbiology and Function Research Laboratory, Meiji Co. Ltd.</li> <li>2) Faculty of Applied Biological Sciences, Gifu University.</li> </ol>
	<p>Journal</p>	<p>Journal of Dairy Science 106 (4), 2261-2270 (2023)</p>
<p><b>Fatty acid tryptamide from cacao elongates <i>Drosophila melanogaster</i> lifespan with sirtuin-dependent heat shock protein expression. (2022)</b></p>	<p>Author</p>	<p>Kanno K<sup>1)</sup>, Kayashima Y<sup>2)</sup>, Tamura K<sup>3)</sup>, Miyara T<sup>4)</sup>, Baba K<sup>3)</sup>, Koganei M<sup>3)</sup>, Natsume M<sup>3)</sup>, and Imai S<sup>1)</sup></p> <ol style="list-style-type: none"> <li>1) School of Bioscience and Biotechnology, Tokyo University of Technology, 1404-1, Katakura, Hachioji, Tokyo 192-0982, Japan.</li> <li>2) Department of Food and Nutrition, Yamanashi Gakuin Junior College, 2-4-5 Sakaori, Kofu-shi, Yamanashi 400-8575, Japan.</li> <li>3) Meiji.Co., Ltd., 1-29-1, Nanakuni, Hachioji, Tokyo 192-0919, Japan.</li> <li>4) Meiji Seika Pharma Co., Ltd., 788, Kayama, Odawara, Kanagawa 250-0852, Japan</li> </ol>

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	Journal	Nature Communications (2022) <a href="https://doi.org/10.1038/s41598-022-16471-1">https://doi.org/10.1038/s41598-022-16471-1</a>
<b>A new method for producing superior set yogurt, focusing on heat treatment and homogenization. (2022)</b>	Author	Ichimura T <sup>1)</sup> , Osada T <sup>1)</sup> , Yonekura K <sup>2)</sup> , and Horiuchi H <sup>1)</sup> 1) Food Science and Technology Research Laboratories R&D Division, Meiji Co., Ltd 2) Food Quality and Safety Research Laboratories R&D Division, Meiji Co., Ltd
	Journal	Journal of Dairy Science 105(4): 2978-2987 (2022)
<b>Effects of <i>Nelumbo nucifera</i> Leaf Extract on Obesity. (2021)</b>	Author	Enuo Liu <sup>1),2)</sup> , Hiroshi Tsuboi <sup>3)</sup> , Shuuji Ikegami <sup>3)</sup> , Tomonori Kamiyama <sup>3)</sup> , Yukio Asami <sup>3)</sup> , Luyi Ye <sup>2)</sup> , Munehiro Oda <sup>1)</sup> , Zai-Si Ji <sup>2),3)</sup> 1) Graduate School of Bioresource Sciences, Nihon University 2) NHC Key Laboratory of Reproduction Regulation, Shanghai Institute of Planned Parenthood Research, Fudan University 3) Division of Research and Development, Meiji Co., Ltd
	Journal	Plant Foods for Human Nutrition 76 (3), 377-384 (2021)
<b>Relieving Effects of Bovine Milk-derived Alpha-lactalbumin on Menstruation-related Symptoms in Healthy Women Volunteers: A Randomized, blind, Placebo-controlled Crossover Study. (2020)</b>	Author	Rika Murakami <sup>1)</sup> , Kaori Iwasawa <sup>1)</sup> , Makoto Yamaguchi <sup>1)</sup> , Teruyuki Noma <sup>2)</sup> , Yukio Asami <sup>3)</sup> , Hiroyuki Itoh <sup>4)</sup> , Hatsuko Abo <sup>5)</sup> 1) Nutrition and Food Function Research Department, Food Microbiology and Function Research Laboratories, R & D Division, Meiji Co.,Ltd. 2) Nutritional Development Department, New product Development Division, Meiji, Co.,Ltd. 3) Food Microbiology and Function Research Laboratories, R & D Division, Meiji Co.,Ltd. 4) R & D Division, Meiji Co.,Ltd. 5) Kayaba-cho Mental Health Care Clinic
	Journal	Yakuri to Chiryō vol.48, No.8, .1409~p1427 (2020)
<b>Relationship of a Special Acidified Milk Protein Drink with Cognitive Performance: A Randomized, Double-Blind, Placebo-Controlled, Crossover Study in Healthy Young Adults. (2018)</b>	Author	Saito Y, Murata N, Noma T, Itoh H, Kayano M, Nakamura K, Urashima T.
	Journal	Nutrients 2018, 10, 574; <a href="https://doi.org/10.3390/nu10050574">doi:10.3390/nu10050574</a> (2018)
<b>Effects of Whey Protein Hydrolysate Ingestion on Postprandial Aminoacidemia Compared with a Free Amino Acid Mixture in Young Men. (2018)</b>	Author	Nakayama K, Sanbongi C, Ikegami S.
	Journal	Nutrients 2018 Apr 19;10(4) <a href="https://doi.org/10.3390/nu10040507">doi: 10.3390/nu10040507</a> . (2018)

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<b>Effects of milk product intake on thigh muscle strength and NFKB gene methylation during home-based interval walking training in older women: A randomized, controlled pilot study. (2017)</b>	Author	Shizue M, Kensei N, Shigenari H, Mayuko M, Satoshi T, Masashi N, Shunichiro T, Kazuhito R, Hiroshi N
	Journal	PLOS ONE 12(5):e0176757 (2017)
<b>Effects of whey, casein, or milk protein ingestion on muscle protein synthesis after exercise. (2016)</b>	Author	Kanda A, Nakayama K, Sanbongi C, Nagata M, Ikegami S, Itoh H.
	Journal	Nutrients 8(6):339 (2016)
<b>Retention of bone strength by feeding of milk and dairy products in ovariectomized rats: involvement of changes in serum levels of 1alpha, 25(OH)2D3 and FGF23. (2013)</b>	Author	Tanabe R, Haraikawa M, Sogabe N, Sugimoto A, Kawamura Y, Takasugi, Nagata M, Nakane A, Yamaguchi A, Imura T, Goseki-Sone M
	Journal	The Journal of Nutritional Biochemistry 24(6):1000-1007(2013)
<b>A combination of a dairy product fermented by lactobacilli and galactooligosaccharides shows additive effects on mineral balance in rats with hypochlorhydria induced by a proton pump inhibitor. (2013)</b>	Author	Takasugi S, Ashida K, Maruyama S, Matsukiyo, Y, Kaneko T, Yamaji K
	Journal	Biological Trace Element Research 153(1-3):309-318(2013)
<b>Effect on the knee joint pain and various ointments metabolic markers of glucosamine-containing milk beverage. (2012)</b>	Author	Nagaoka K, Itoh H, Kume A, Honda T, Watanabe K, Fukukawa M, Asanaga S, Yamaguchi H
	Journal	Glutamine Research 8: 24-31(2012)
<b>Effect of quercetin and its glucuronide metabolite upon 6-hydroxydopamine-induced oxidative damage in Neuro-2a cells. (2012)</b>	Author	Mukai R, Kawabata K, Otsuka S, Ishisaka A, Kawai K, Ji ZS, Tsuboi H, Terao
	Journal	Free Radical Research 46(8):1019-1028(2012)
<b>Regional difference of fatty acid, vitamin and <math>\beta</math>-carotene concentration in milk of Hokkaido in Japan. (2012)</b>	Author	Mitani T, Kobayashi K, Ueda K, Komatsu Y, Kondo S
	Journal	IDF (2012)
<b>Prostaglandin F2<math>\alpha</math> inhibitory effect of whey minerals on uterine smooth muscle contraction and suppression mechanism. (2012)</b>	Author	Mogami O, Uchida K
	Journal	Milk Science 61(2):81-87(2012)
<b>Role of zinc in cellular zinc trafficking and mineralization in a murine osteoblast-like cell line. (2011)</b>	Author	Nagata M, Lonnerdal B
	Journal	Journal of Nutritional Biochemistry 22(2):172-178(2011)

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<b>Marginal zinc deficiency in pregnant rats impairs bone matrix formation and bone mineralization in their neonates. (2011)</b>	Author	Nagata M, Kayanoma M, Takahashi T, Kaneko T, Hara H
	Journal	Biological Trace Element Research 142(2): 190-199 (2011)
<b>A dairy product fermented by Lactobacilli cancels the adverse effects of hypochlorhydria induced by a proton pump inhibitor on bone metabolism in growing rats. (2011)</b>	Author	Takasugi S, Ashida K, Maruyama S, Komaba Y, Kaneko T, Yamaji T
	Journal	British Journal of Nutrition 106(10):1487-1494(2011)
<b>Novel dipeptidyl peptidase-4 inhibiting peptide derived from <math>\beta</math>-lactoglobulin. (2011)</b>	Author	Uchida M, Ohshiba Y, Mogami O
	Journal	Journal of Pharmacological Sciences 117(1):63-66(2011)
<b>Intestinal mucosa barrier function enhancing action and indomethacin induced intestinal lesion suppression action by a milk-derived material (EMC). (2011)</b>	Author	Uchida K
	Journal	Kaiyo 38(2):115-117(2011)
<b>Novel functions of bovine milk-derived <math>\alpha</math>-lactalbumin: anti-nociceptive and anti-inflammatory activity provided by inhibiting cyclooxygenase-2 and phospholipase A2. (2009)</b>	Author	Yamaguchi M, Yoshida K, Uchida M
	Journal	Biological & Pharmaceutical Bulletin 32(3):366-371(2009)
<b>QOL improvement effect of milk derived <math>\alpha</math>-lactalbumin on menstrual pain relief in healthy adult women: randomized, double-blind, placebo controlled, crossover study. (2008)</b>	Author	Yamaguchi M, Uchida K, Kino M
	Journal	Yakuri to Chiryō 36(7): 623-627 (2008)
<b>Antihypertensive effect of an angiotensin converting enzyme inhibitory peptide from enzyme modified cheese. (2008)</b>	Author	Tonouchi H, Suzuki M, Uchida M, Oda M
	Journal	Journal of Dairy Research 75(3): 284-290 (2008)
<b>Milk ingredients with anti-inflammatory action. (2008)</b>	Author	Yamaguchi M
	Journal	Nyugyo Gijutsu 58: 1-17 (2008)
<b>Effects of nucleotides on the immune system. (2007)</b>	Author	Nagafuchi S
	Journal	Chonai Saikingaku Zasshi 21(4): 305-312 (2007)
<b><math>\alpha</math>-Lactalbumin suppresses interleukin-6 release after intestinal</b>	Author	Yamaguchi M, Uchida M

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<b>ischemia/reperfusion via nitric oxide in rats. (2007)</b>	Journal	Inflammopharmacology 15(1):43-47(2007)
<b>Angiotensin I-converting enzyme inhibitory activity of Enzyme-Modified Cheese, blood pressure lowering effects in spontaneously hypertensive rats. (2007)</b>	Author	Suzuki M, Uchida K, Tonouchi H, Oda M
	Journal	Nihon Shokuhin Kagaku Kogaku Kaishi 54(4): 181-186
<b>Ethanolamine improves hypercholesterolemia in rats fed high-fat/high-cholesterol diets. (2006)</b>	Author	Kume H, Tsukahara K, Okazaki K, Sasaki H
	Journal	Nutrition Research 26(11): 573-578 (2006)
<b>Supplemental anti-fatigue effects of Cordyceps cinensis (Tochu-kaso) extract powder during three stepwise exercise of human. (2006)</b>	Author	Nagata A, Tajima T, Uchida K
	Journal	Japanese Journal of Physical Fitness and Sports Medicine 55: S145-S152 (2006)
<b>Momordica charantia constituents and antidiabetic screening of the isolated major compounds. (2006)</b>	Author	Harinantenaina L, Tanaka M, Takaoka S, Oda M, Mogami O, Uchida M, Asakawa Y
	Journal	Chemical and Pharmaceutical Bulletin 54(7):1017-1021(2006)
<b>Supplemental anti-fatigue effects of Cordyceps cinensis (Tochu-kaso) extract powder during three stepwise exercise of human. (2006)</b>	Author	Nagata A, Tajima T, Uchida K
	Journal	Japanese Journal of Physical Fitness and Sports Medicine 55:S145-S152(2006)
<b>Action of boysenberry leaf extract on the automatic movement of rat uterus specimens. (2006)</b>	Author	Kubomura K, Molyneux J, Omori S, Uchida K, Mogami O, Oda M
	Journal	Nihon Shokuhin Kagaku Kogaku Kaishi 53(1): 17-22 (2006)
<b>Action of Cordyceps mycelium extract on the mental state of middle-aged healthy persons by anthocyanin blended drink intake. (2005)</b>	Author	Morikubo K, Uchida K, Kube H, Tsuno H, Tajima T, Nagata A
	Journal	Yakuri to Chiryō 33(7): 729-734 (2005)
<b>Features and anti-inflammatory effects of whey proteins and peptides. (2005)</b>	Author	Yamaguchi M
	Journal	Milk Science 54(3): 123-127 (2005)
<b>Dietary nucleotides increase the mucosal IgA response and the secretion of transforming growth factor <math>\beta</math> from intestinal epithelial cells in mice. (2002)</b>	Author	Nagafuchi S, Totsuka M, Hachimura S, Goto M, Takahashi T, Yajima T, Kuwata T, Kaminogawa S
	Journal	Cytotechnology 40(1-30):49-58(2002)
<b>Nucleotides enhance the secretion of interleukin 7 from primary-</b>	Author	Murakami R, Yamada K, Nagafuchi S, Hachimura S, Takahashi T, Kaminogawa S, Totsuka M

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<b>cultured murine intestinal epithelial cells. (2002)</b>	Journal	Cytotechnology 40(1-3): 59-65 (2002)
<b>Lactoferrin protects against development of hepatitis caused by sensitization of kupffer cells by lipopolysaccharide.e (2001)</b>	Author	Yamaguchi M, Matsuura M, Kobayashi K, Sasaki H, Yajima T, Kuwata T
	Journal	Clinical and Diagnostic Laboratory Immunology 8(6): 1234-1239 (2001)
<b>Effects of uncaria guianensis on the oxidation of human low density lipoprotein and on the atherogenesis in Watanabe heritable hyperlipidemic rabbit.</b>	Author	Uchida K, Miyajima E, Kochiya E, Sawai Y, Yamada M
	Journal	Yakuri to Chiryō 28(7): 607-13