Analytic Technology Research

Papers on analytic methods related to quality assurance

Application of a Two-Dimensional Mapping-Based Visualization Technique: Nutrient-Value-Based Food Grouping. (2023)	Author	Ryota Wakayama [1),2)], Satoshi Takasugi [1)], Keiko Honda [3)], and Shigehiko Kanayama [2)] 1) Meiji Co., Ltd. 2) Computational Systems Biology Laboratory, Division of Information Science Graduate School of Science and Technology & Data Science Center, Nara Institute of Science and Technology 3) Medicine Nutrition, Faculty of Nutrition, Kagawa Nutrition University
	Journal	Nutrients 2023,15,5006. (2023)
Development and Preliminary Validity Evaluation of Numerical Simulation of Human Swallowing Using a Particle Method. (2023)	Author	Tetsu Kamiya [1),2)], Yoshio Toyama [3)], Keigo Hanyu [3)], Takahiro Kikuchi [3)], Yukihiro Michiwaki [4)] 1) New Value Creation Office, Nagase Co & LTD. 2) Center for Agricultural and Life Science using Synchrotron light Graduate School of Agricultural Science, Tohoku University. 3) R&D Division Meiji Co., Ltd. 4) Toho University.
	Journal	Japan Journal of Food Engineering Vol.24 No.3 p57-66 (2023)
Newtonian and non-newtonian food bolus behaviors obtained from validated swallowing simulator based on moving particle simulation. (2023)	Author	Tetsu Kamiya [1),2)], Yoshio Toyama [3)], Keigo Hanyu [3)], Takahiro Kikuchi [3)], Yukihiro Michiwaki [4)] 1) New Value Creation Office, Nagase Co & LTD. 2) Center for Agricultural and Life Science using Synchrotron light Graduate School of Agricultural Science, Tohoku University. 3) R&D Division Meiji Co., Ltd. 4) Toho University.
	Journal	Food Science and Technology Research 29(5) (2023)
Visualization of Aspiration due to Changes in Rheological and Tribological Parameters Using a Three-Dimensional Swallowing Simulator. (2023)	Author	Tetsu Kamiya [1),2)], Yoshio Toyama [3)], Keigo Hanyu [3)], Takahiro Kikuchi [3)], Yukihiro Michiwaki [4)] 1) New Value Creation Office, Nagase Co & LTD. 2) Center for Agricultural and Life Science using Synchrotron light Graduate School of Agricultural Science, Tohoku University. 3) R&D Division Meiji Co., Ltd. 4) Toho University.
	Journal	Nihon Reoroji Gakkaishi Vol.51 No.3,149-156 (2023)
Identification of muscle activities involved in hyoid bone movement during swallowing using computer simulation. (2023)	Author	Kikuchi T[1)], Michiwaki Y[2)], Azegami H[3)] 1) Food Science and Technology Research Laboratories, Meiji Co., Ltd. 2) Faculty of Medicine, Toho University. 3) 3)Department of Research, Nagoya Industrial Science Research Institute.

	Journal	Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization (2023) DOI:10.1080/21681163.2023.2189486
Application of elemental analysis-coupled isotope ratio mass spectrometry for protein turnover analysis using deuterium labeling: Purification and analysis of hydrogen isotope ratio of non-derivatized protein-bound alanine. (2023)	Author	Sumi K[1)], Munakata K[1)], Nakagawa M[2),3)], Yamada K[4)], Yoshida N[2),5)] 1) Food Microbiology and Function Research Laboratories, R&D Division, Meiji Co., Ltd. 2) Earth-Life Science Institute (ELSI), Tokyo Institute of Technology. 3) Department of Earth and Planetary Sciences, Tokyo Institute of Technology. 4) Department of Chemical Science and Engineering, Tokyo Institute of Technology. 5) National Institute of Information and Communications Technology.
	Journal	Rapid Communication in Mass Spectrometry 37 (12), e9522 (2023)
Sensory Processing Sensitivity and Gastrointestinal Symptoms in Japanese Adults. (2022)	Author	Iimura S[1)], Takasugi S[2)] 1) Soka University 2) R&D Division, Meiji Co., Ltd.
	Journal	International Journal of Environmental Research and Public Health (2022) https://doi.org/10.3390/ijerph19169893
Simultaneous Discrimination of Cereulide-Producing *Bacillus cereus* and Psychrotolerant *B.cereus* Group by Matrix-Assisted Laser Desorption Ionization-Time-of-Flight Mass Spectrometry. (2022)	Author	Takahashi N[1)], Nagai S[2)], Tomimatsu Y[1)], Saito A[1)], Kaneta N[1)], Tsujimoto Y[1)], and Tamura H[2)] 1) Food Quality and Safety Research Laboratories, Meiji Co., Ltd. 2) Faculty of Agriculture, Meijo University
	Journal	Journal of Food Protection 85 (8), 1192-1202 (2022)
Evaluation of the effects of food intake on task engagement based on psychophysiological states. (2022)	Author	Kurogi N[1)], Sakiyama K[2)], Tominaga S[2)], Toyama Y[2)], Nagumo K[1)], Oiwa K[1)], and Nozawa A[1)] 1) Aoyama Gakuin University, 2) Meiji Holdings Co., Ltd.
	Journal	Artificial Life and Robotics 27, 123-129 (2022)
Discrimination of Psychrotolerant Bacillus cereus group based on MALDI-TOF MS Analysis of Ribosomal subunit proteins. (2020)	Author	Naomi Takahashi[1)], Satomi Nagai[2)], Akane Fujita[2)], Yousuke Ido[2)], Kenji Kato[2)], Ayumi Saito[1)], Yuka Moriya[1)], Yumiko Tomimatsu[1)], Naoko Kaneta[1)], Yoshinori Tsujimoto[1)], Hiroto Tamura[2)] 1) Food Quality and Safety Research Laboratories, Meiji Co., Ltd. 2) Faculty of Agriculture, Meijo University
	Journal	Food Microbiology https://doi.org/10.1016/j.fm.2020.103542 (2020)
Effects of volatile compounds produced by plants on fungal growth and the production of mycotoxins. (2015)	Author	Taguchi Tomoyasu, Ishihara Atsushi, Nakajima Hiromitsu
	Journal	JSM Mycotoxins 65(2):131-142 (2015)

Effects of aliphatic aldehydes on growth and patulin production of *Penicillium expansum* in apple Juice. (2013)	Author	Taguchi T, Kozutsumi D, Nakamura R, Sato Y, Ishihara A, Nakajima H
	Journal	Bioscience, Biotechnology, and Biochemistry 77(1):138-144(2013)
Quality control in the independent inspection for radioactivity in food. (2013)	Author	Kozutsumi D, Yamamoto Y
	Journal	Shokuhin to Kaihatsu 48(5):16-18(2013)
Use of predictive microbiology at Meiji. (2013)	Author	Matsubara Y
	Journal	Gekkan Shokuhin Kojocho 20-23(2013)
Efficacy of organic acids, bacteriocins and the lactoperoxiadase system in inhibiting the growth of cronobacter spp. in rehydrated infant formula. (2012)	Author	Oshima S, Rea MC, Lothe S, Morgan S, Begley M, O'Connor PM, Fitzsimmons A, Kamikado H, Walton R, Ross RP, Hill C
	Journal	Journal of Food Protection 75(10): 1734-1742 (2012)
Real-time monitoring of luciferase-tagged cronobacter sakazakii in reconstituted infant milk formula. (2011)	Author	Morrissey R, Begley M, Oshima S, Rea M, Ross RP, Hill C
	Journal	Journal of Food Protection 74(4): 573-579 (2011)
Coliform bacteria rapid detection in milk by continuous culture type digital microscope microbiological detection method. (2010)	Author	Tanaka T, Ito M, Kamikado H
	Journal	Bokin Bokabi 38(9) :581-585 (2010)
Flow site rapid detection of yeast in yogurt by cytometry. (2010)	Author	Tanaka T, Hijikata T, Ito M, Kamikado H
	Journal	Bokin Bokabi 38(12): 797-801 (2010)
Expectations for the benefits of JABLAS laboratory accreditation. (2010)	Author	Kojima T
	Journal	JABLAS NEWS (5):1-3(2010)
In seeking the taste of fresh milk — from milk production to sterilization technology. (2009)	Author	Ohmori T, Takeuchi Y, Kato H
	Journal	Milk Science 57(3): 125-129
An analytical method using GC/MS and LC/MS/MS for detecting pharmaceutical and pesticide residues in milk. (2008)	Author	Saito M, Kozutsumi D, Kawasaki M, Kanbashi M, Nakamura R, Sato Y, Endo M
	Journal	Shokuhin Eiseigaku Zasshi 49(3): 228-238 (2008)