Yutaka Kitamura, Ph.D.
Date of Birth: April 12, 1961
Affiliation:
Faculty of Life and Environmental Sciences
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Academic History:

1980 - 1984	Undergraduate course of Agro-forestry Sciences, University of Tsukuba, Ibaraki, Japan
1984 - 1989	Graduate course in Agricultural Sciences, University of Tsukuba, Ibaraki, Japan
1994	PhD. in Agriculture Science, University of Tsukuba, Ibaraki, Japan

Professional/ Scientific Career:

1989 – 1992	System Cultivation Development	Nippon Steel Chemical Co, Ltd., Tokyo, Japan
1992 – 1997	Assistant Professor	Faculty of Bioindustry Sciences, Tokyo University of Agriculture, Hokkaido, Japan
1997 – 2003	Associate Professor	Faculty of Life and Environmental Sciences, Shimane University, Shimane, Japan
2003 – 2004	Associate Professor	Institute of Agricultural and Forest Engineering, University of Tsukuba, Ibaraki, Japan
2004 – 2012	Associate Professor	Graduate School of Life and Environmental Sciences, University of Tsukuba, Ibaraki, Japan
2012 - present	Professor	Faculty of Life and Environmental Sciences, University of Tsukuba, Ibaraki, Japan

Professional Societies:

The Japanese Society of Agricultural Machinery and Food Engineers
The Society of Agricultural Structures, Japan
The Japanese Society for Food Science and Technology Secretariat
The Japan Society for Food Engineering

Research Area/ Research Interests:

Science based development and analysis of processing and conversion technology of agricultural or food products and biomass resources by utilizing the various unit operations such as milling, extraction, drying, encapsulation, sterilization, pressurized cold, fermentation, enzymatic reaction and aging.

Selected Publications:

1. Dheni Mita Mala, Masatoshi Yoshimura, Susumu Kawasaki, Mizuki Tsuta, Mito Kokawa, Vipavee Trivittayasil, Junichi Sugiyama, Yutaka Kitamura, Fiber optics fluorescence fingerprint measurement for aerobic plate count prediction on sliced beef surface, LWT - Food Science and Technology, 68, 14-20, 2016
2. M.Z. Islam, Yutaka Kitamura, Yoshitsugu Yamano, Mai Kitamura, Effect of vacuum spray drying on the physicochemical properties, water sorption and glass transition phenomenon of orange juice powder, Journal of Food Engineering, 169, 131-140, 2016
3. Masaru Koyama, Yutaka Kitamura, Development of a new rice beverage by improving the physical stability of rice slurry, Journal of Food Engineering, 131, 89-95, 2014,
4. Kenji Takisawa, Kazuyo Kanemoto, Tatsuo Miyazaki, Yutaka Kitamura, Hydrolysis for direct esterification of lipids from wet microalgae, Bioresource Technology, 144, 38-43, 2013
5. C. Song, Y. Kitamura, S. Li, J. Lu. Deposition CO2 Capture Process Using a Free Piston Stirling Cooler. Industrial & Engineering Chemistry Research, 52 (42), 14936–14943, 2013.
6. Chunfeng Song, Yutaka Kitamura, Shuhong Li. Energy analysis of the cryogenic CO2 capture process based on Stirling coolers. Energy. 65, 580-589, 2014.
7. Lu, J., Li, Dawe., Chen, L., Kitamura, Y., Jiang, W., Li, B. Simultaneous pretreatment and acidogenesis of solid food wastes by a rotational drum fermentation system with methanogenic leachate recirculation and andesite porphyry addition. Bioresource Technology. 138, 101-108, 2013.
8. C. Song, Y. Kitamura, W. Jiang. Application of Free Piston Stirling Cooler (SC) on CO2 Capture Process. Energy Procedia. 37, 1239-1245, 2013.
9. C. Song, F., Kitamura, Y., Li, S. Evaluation of Stirling cooler system for cryogenic CO_2 capture, APPLIED ENERGY. 491-501, 2012
10. Sun, J., Kitamura, Y., Satake, T. IMPROVEMENT OF COOLING PERFORMANCE OF A FOOD PROCESSING STIRLING COOLER, Journal of Food Process Engineering, 33(6)1052-1064, 2010