日本語

日本栄養大学大学院
日本栄養大学
日本栄養大学短期大学部

Faculty Members

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Teruyuki USUI

Faculty of Nutrition
Professor

■ Teaching

Food Chemistry and Function, etc

■ Education

1.	～1988/03	Agricultural Chemistry, Faculty of Agriculture, Meiji University, Graduated, Bachelor
2.	～1990/03	〔Master degree program〕 Master's Course, Graduate School of Agriculture, Meiji University Graduate School, Completed, Master
3.	～2005/03	〔Doctoral course〕 Doctoral Course, Graduate School of Agriculture, Meiji University Graduate School, Completed, PhD

■ Career

1.	2014/04～2018/03	Kagawa Nutrition University Faculty of Nutrition associate professor
2.	2018/04～	Kagawa Nutrition University Faculty of Nutrition Professor

■ Courses Previously Taught

1. Food Analysis（Kagawa Nutrition University Graduate School）
2. Food Materials（Kagawa Nutrition University）

■ Research Interests/Keywords

Food sciences (Key Word : Maillard Reaction, Sugar degradiation, Browning of food, Vitamin C, Aroma)

■ Publications

1.	Book/Book Chapter	Endogenous Toxins Targets for Disease Treatment and Prevention（Collaboration） 2009/10
2.	Journal Articles	Identification of pyridinoline, a collagen crosslink, as a novel intrinsic ligand for the receptor for advanced glycation end-products (RAGE).（Collaboration） 2018/08
3.	Journal Articles	Identification of pyridinoline, a collagen crosslink, as a novel intrinsic ligand for the receptor for advanced glycation end-products (RAGE)（Collaboration） 2018/05
4.	Journal Articles	Receptor for advanced glycation end products (RAGE)-mediated cytotoxicity of 3-hydroxypyridinium derivatives（Collaboration） 2018/01
5.	Journal Articles	Inhibitory Effects of Melanoidins aganist Oxidative Cell Injury（Collaboration） 2014/02
6.	Journal Articles	3-Deoxy- xylosone-related Maillard reaction products（Collaboration） 2012/07
7.	Journal Articles	Chemistry of pigments as intermediate of melanoidins（Collaboration） 2010/10
8.	Journal Articles	Formation mechanisms of melanoidins and fluorescent pyridinium compounds as advanced glycation end products（Collaboration） 2008/04
9.	Journal Articles	Formation of argpyrimidine in glyceraldehyde-related glycation（Collaboration） 2008/02

10.	Journal Articles	Identification and determination of α-dicarbonyl compounds formed in the degradation of sugars (Collaboration) 2007/10
11.	Journal Articles	Determination of glyceraldehyde formed in glucose degradation and glycation (Collaboration) 2007/09
12.	Journal Articles	Detection and Determination of Glyceraldehyde-Derived Pyridinium-Type Advanced Glycation End Product in Streptozotocin-Induced Diabetic Rats (Collaboration) 2007/02
13.	Journal Articles	Chemistry and some biological effects of model melanoidins and pigments as Maillard intermediates (Collaboration) 2006/12
14.	Journal Articles	Isolation and identification of 5-methyl-imidazolin-4-one derivative as glyceraldehyde-derived advanced glycation end product (Collaboration) 2006/06
15.	Journal Articles	Chemistry and Biological Effects of Melanoidins and Glyceraldehyde-Derived Pyridinium as Advanced Glycation End Products (Collaboration) 2005/06
16.	Journal Articles	Isolation and Identification of Glyceraldehyde-derived Advanced Glycation End Products (Collaboration) 2005/06
17.	Journal Articles	Cytotoxicity and oxidative stress induced by the glyceraldehyde-related Maillard reaction products for HL-60 Cells (Collaboration) 2004/02
18.	Journal Articles	Detection and Determination of Glyceraldehyde-derived Advanced GlycationEnd Product (Collaboration) 2004/01
19.	Journal Articles	Protective effect of blue-M1 against oxidative stress on COS-1 cells (Collaboration) 2004/01
20.	Journal Articles	Isolation and identification of the 3-hydroxy-5-hydroxymethyl-pyridinium compound as a novel advanced glycation end product on glyceraldehyde related Maillard reaction (Collaboration) 2003/04

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■ Grants

1.	2001～	Elucidation of chemical structure and function of reaction products between food components

■ Memberships

1.	2001/04～	Japan Society for Bioscience, Biotechnology, and Agrochemistry

■ Prizes,Honors,and Awards

1. 2022/11 President's Award of the Japan Association of Dietitian Training Institution