

応用生命化学科

【著書】

- 1) 水重貴文, ミースフェルド生化学, 東京化学同人, 18章, 2020. (翻訳分担)

【論文】

- 1) 田中裕基, 平間加那子, 鈴木智大, 羽生直人, 金野尚武, 白色腐朽菌シイタケ由来エンド型ポリガラクトナーゼの精製と特性解析, 日本きのこ学会誌, 28(3), 123-128, 2020.
- 2) Shinoda K, Konno N, Suzuki T, Non-destructive analysis of the moisture content in shiitake mushrooms (*Lentinula edodes*) using near-infrared imaging at 1450 nm, *Mycoscience*, 61(5), 235-239, 2020.
- 3) 宮地一裕, 栗野靖之, 丸山広志, 井上肇, 東徳洋, キャピラリー電気泳動飛行時間型質量分析を用いた殺菌ヨーグルトの生理機能の推測, *Milk Science*, 69(3), 135-145, 2020.
- 4) Miyaji K, Maruyama H, Kuwano Y, Katakura Y, Inoue H, Azuma N, Development of a Rapid and Accurate Prediction Model for Whey Separation in Pasteurized Drinking Yogurt Caused by Long-term Ambient Storage, *Food Science and Technology Research*, 26(6), 863-873, 2020.
- 5) Miyaji K, Kuwano Y, Murakami Y, Hirata S, Imayoshi Y, Maruyama H, Koizumi R, Inoue H, Azuma N, Off-flavors generated during long-term ambient storage of pasteurized drinking yogurt from skim milk, *Bioscience, Biotechnology, and Biochemistry*, 85(2), 391-400, 2021.
- 6) Ohashi Y, Huang S, Maeda I, Biosyntheses of geranic acid and citronellic acid from monoterpene alcohols by *Saccharomyces cerevisiae*, *Bioscience, Biotechnology, and Biochemistry*, 85(6), 1530-1535, 2021.
- 7) Rádis-Baptista G, Dodou HV, Prieto-da-Silva ÁRB, Zaharenko AJ, Kazuma K, Nihei K, Inagaki H, Mori-Yasumoto K, Konno K, Comprehensive analysis of peptides and low molecular weight components of the giant ant *Dinoponera quadriceps* venom, *Biol. Chem.*, 401, 945-954, 2020.
- 8) Nihei K, Isao K, Tyrosinase inhibition by 4-substituted benzaldehydes with electron-withdrawing groups, *Appl. Biochem. Biotechnol.*, 191, 1711-1716, 2020.
- 9) Matsumoto T, Harima S, Weng J, Nihei K, Systematic approach to the chemical synthesis of arabidopyrones, the unique α -pyrones of Arabidopsis metabolites, *Synth. Commun.*, 50, 2981-2987, 2020.
- 10) Shimakage R, Nihei K, Synthesis, structural revision, and tyrosinase inhibitory activity of proposed phloretin-4-*O*- β -D-glucopyranoside from *Homalium stenophyllum*, *Nat. Prod. Res.*, in press, 2020.
- 11) Nogimura D, Mizushige T, Taga Y, Nagai A, Shoji S, Azuma N, Kusubata M, Adachi SI, Yoshizawa F, Kabuyama Y. Prolyl-hydroxyproline, a collagen-derived dipeptide, enhances hippocampal cell proliferation, which leads to antidepressant-like effects in mice. *FASEB Journal*, 34(4), 5715-5723, 2020.

- 12) Koike S, Kabuyama Y, Obeng KA, Sugahara K, Sato Y, Yoshizawa F, An increase in liver polyamine concentration contributes to the tryptophan-induced acute stimulation of rat hepatic protein synthesis., *Nutrients*, 12(9), 2665, 2020.
- 13) Yamazaki K, Suzuki T, Iigo M, Aiso-Sanada H, Kurokura T, Yamane K, Effects of trehalose and sucrose on gene expression related to senescence of cut astilbe (*Astilbe × arendsii* arends) flowers, *Horticulture Journal*, The Japanese Society for Horticultural Science, 89(5), 628-638, 2020.

【総説】

- 1) 藤谷美菜, 水重貴文, 岸田太郎, 大豆イソフラボンの雌特異的食欲抑制作用, 日本ポリフェノール学会雑誌, 日本ポリフェノール学会, 9, 29-34, 2020.
- 2) 二瓶賢一, 岩館丈央, メグスリノキと化学合成-立体認識型のチロシナーゼ阻害剤をつくる-, 化学と生物, 日本農芸化学会, 58, 555-561, 2020.