

## 農学部教員研究業績 2017

\*下線で示す農学部専任教員名のアルファベット順に配列

### 生産農学科

#### 【論文・紀要】

- Ito, F., Miyazaki, S., Hashim, R., & Billen, J. (2017) Colony composition and behavioral characteristics of *Myrmoteras iriodum* and *M. jaitrongi* in Ulu Gombak, Peninsular Malaysia (Hymenoptera: Formicidae). *Asian Myrmecology*, 9, e009010.
- 水野宗衛, 井上大輔, 渡辺健太 (2017) 果実の吊り上げ栽培がマンゴー ‘アーウィン’ の直食および品質に及ぼす影響. *玉川大学農学部研究教育紀要*, 2, 9-16.
- Hosono, S., Nakamura, J., & Ono, M. (2017) European honeybee defense against Japanese yellow hornet using heat generation by bee-balling behavior. *Entomological Science*, 20(1), 163-167.
- Kubo, R., & Ono, M. (2017) Queens of *Bombus diversus tersatus* (Hymenoptera: Apidae) are innately attracted to floral scents emitted by *Cremastra appendiculata* (Orchidaceae). *The Canadian Entomologist*, 149(3), 372-376.
- Kubo, R., Harano, K., & Ono, M. (2017) Male scent-marking pheromone of *Bombus ardens ardens* (Hymenoptera; Apidae) attracts both conspecific queens and males. *The Science of Nature*, 104(9-10), 69.
- Oya, S., Kohno, H., Kainoh, Y., Ono, M., & Kubo, T. (2017) Increased complexity of mushroom body Kenyon cell subtypes in the brain is associated with behavioral evolution in hymenopteran insects. *Scientific Reports*, 7(1), 13785.
- 宇賀神篤, 佐々木哲彦, 小野正人 (2017) 発生期のミツバチ脳における初期応答遺伝子 Egr の発現解析. *玉川大学農学部研究教育紀要*, 2, 5-8.
- Sasaki, K., Matsuyama, H., Morita, N., & Ono, M. (2017) Caste differences in the association between dopamine and reproduction in the bumble bee *Bombus ignitus*. *Journal of Insect Physiology*, 103, 107-116.
- Farkhary, S. I., Sasaki, K., Hayashi, S., Harano, K., Koyama, S., & Satoh, T. (2017) Fighting and stinging responses are affected by a dopamine receptor blocker flupenthixol in honey bee virgin queens. *Journal of Insect Behavior*, 30(6), 717-727.
- Shimoji, H., Aonuma, H., Miura, T., Tsuji, K., Sasaki, K., & Okada, Y. (2017) Queen contact and among-worker interactions dually suppress worker brain dopamine as a potential regulator of reproduction in an ant. *Behavioral Ecology and Sociobiology*, 71(2), 35.
- Sato, K., Takei, M., Iyota, R., Muraoka, Y., Nagashima, M., & Yoshimura, Y. (2017) Indomethacin inhibits melanogenesis via down-regulation of *Mitf* mRNA transcription. *Bioscience, Biotechnology, and Biochemistry*, 81(12), 2307-2313.
- 佐藤一臣 (2017) ブルーライトによる細胞障害作用について. *フレグランスジャーナル*, 45(10), 25-29.
- 野田晴美, 安部鉄雄, 池田朋弘, 小野寺佳朗, 高橋伴幸, 魚井聖一, 宮崎智嗣, 石丸真弓, 藤田真由美, 河野幸彦, 川西玉夫, 末澤正義, 森岡芳晴, 西山聡, 岡一洋, 岡宏明, 増田拓朗, 山岡好夫 (2017) 「宝生院のシンパク」の健康診断. *樹木医学研究*, 21(3), 140-141.
- Minami, Y., Noguchi, Y., & Yoshikawa, T. (2017) Distribution manner of plants along fumarole groups in Eastern Hokkaido, Japan. *Natural Environmental Science Research*, 30, 13-18.

#### 【著書】

- 小野正人 (2017) 社会寄生種チャイロスズメバチの行動, スズメバチに寄生するスズメバチネジレバネ. 平嶋義宏 (編), *図説 日本の珍虫 世界の珍虫 その魅惑的な多様性* (pp. 61, 139): 北隆館.
- Sasaki, K. (2017) Biogenic Amines (BA): Origins, Biological Importance and Human Health Implications. In J. Standnik (Ed.), *Social behaviors modulated by tyramine and octopamine in insects* (pp. 313-336): NOVA Science Publishers.

## 環境農学科

### 【論文・紀要】

石川晃士 (2017) 北海道弟子屈町におけるワイン産業を通じた地域活性化の試み. *地域活性研究*, 8, 249-253.

関川清広, 村岡裕由 (2017) 高緯度北極ツンドラにおける優占種3種の光合成特性—改良型チャンバーを用いた測定試験—  
一. *玉川大学学術研究所紀要*, 22, 13-20.

Minami, Y., Noguchi, Y., & Yoshikawa, T. (2017) Distribution manner of plants along fumarole groups in Eastern Hokkaido, Japan. *Natural Environmental Science Research*, 30, 13-18.

Mimura, M., Yahara, T., Faith, D.P., Vázquez-Domínguez, E., Colautti, R.I., Araki, H., Javadi, F., Núñez-Farfán, J., Mori, A.S., Zhou, S., Hollingsworth, P.M., Neaves, L.E., Fukano, Y., Smith, G.F., Sato, Y-I., Tachida, H., Hendry, A.P. (2017) Understanding and monitoring the consequences of human impacts on intraspecific variation. *Evolutionary Applications*, 10, 121-139.

### 【著書】

關義和 (2017) 中大型食肉目への影響. 梶光一・飯島勇人 (編), *日本のシカ—増えすぎた個体群の科学と管理—* (pp. 83-101): 東京大学出版会.

## 先端食農学科

### 【論文・紀要】

Hosono, S., Nakamura, J., & Ono, M. (2017) European honeybee defense against Japanese yellow hornet using heat generation by bee - balling behavior. *Entomological Science*, 20(1), 163-167.

Ohashi-Kaneko, K., Imai, W., Tabuchi, T., Kobayashi, T., & Watanabe, H. (2017) Yield and fruit quality of several wild and domestic tomato cultivars grown in an environmentally controlled agricultural facility (plant factory). *Acta Hortic.* 1170, 989-994.

Fukuyama, T., Ohashi-Kaneko, K., Hirata, K., Muraoka, M., & Watanabe, H. (2017) Effects of ultraviolet A supplemented with red light irradiation on vinblastine production in *Catharanthus roseus*. *Environmental Control in Biology*, 55(2), 65-69.

Kobayashi, T., & Tabuchi, T. (2017) Anatomical and histochemical characteristics of leaves and flowers of *Tanacetum cinerariifolium* and *Tanacetum coccineum*. *Acta Hortic.* 1169, 157-164.

Yamada, T., Kobayashi, T., & Tabuchi, T. (2017) Anatomical and histochemical studies of separation process on the juncture tissues between peduncle and bourse on apple fruit. *Acta Hortic.* 1206, 129-136.

Ohmori, S., Yamada, T., Kobayashi, T., & Tabuchi, T. (2017) Anatomical and histochemical studies of maturation and polysaccharides or volatile organic compounds (VOCs) accumulation on Japanese wild cherry fruit following ethephon application. *Proceedings of the 8th International Cherry Symposium*. 125.

Sato, K., Takei, M., Iyota, R., Muraoka, Y., Nagashima, M., & Yoshimura, Y. (2017) Indomethacin inhibits melanogenesis via down-regulation of *Mitf* mRNA transcription. *Bioscience, Biotechnology, and Biochemistry*, 81(12), 2307-2313.

富田信一, 野澤南映子, 由倉史織, 藤田伊織 (2017) *Caenorhabditis elegans* の寿命を指標としたラクトフェリンの抗老化作用. *ラクトフェリン 2017*, 85-90.

Mori, N. & Watanabe, H. (2017) Effects of oxidative stress on the growth of leaf lettuce upon H<sub>2</sub>O<sub>2</sub> treatment. *Eco-Engineering*, 29(2), 31-38.

中里一貴, 森直哉, 渡邊博之 (2017) LED補光を用いた高品質ブドウ栽培技術の探索. *玉川大学農学部研究教育紀要*, 2, 17-27.

### 【著書】

田淵俊人 (2017) *農耕と園芸ブックス 基礎知識, 栽培技術, 国内品種から野生種まで完全網羅「まるごとわかるトマト」*: 誠文堂新光社.