

## 9) 令和5年度 研究発表等実績 (植物系)

令和5年度に当財団職員が発表した植物系の学術論文、書籍等、植物研究室職員による学会等での発表実績、および外部機関より受託した事業を紹介する。本年度は15報の論文を発表し、10題の学会等発表(別紙4)、15件の外部研究資金(6件は受託事業)を獲得した。なお、リスト中の当財団職員の名前は太字+下線で示した。

### 【学術論文】

1. **Ken Tokuhara, Hiroyuki Sato, Atushi Abe**, Masahiro Mii. 2023. In vitro optimization of seed germination and protocorm development in *Gastrochilus japonicus* (Makino) Schltr. (Orchidaceae). *Plant Growth Regulation* 101: 693-702
2. **Ken Tokuhara, Hiroyuki Sato, Atushi Abe**, Kento Rammitsu, Yuki Ogura-Tsujita, Masahiro Mii. 2024. Seed germination and protocorm development of *Platanthera stenoglossa* Hayata subsp. *iriomotensis* (Masam.) K. Inoue (Orchidaceae) in both asymbiotic and symbiotic cultures. *Biology Magazine of Okinawa* 62: 7-16
3. **Ken Tokuhara, Hiroyuki Sato, Atushi Abe**. 2024. Effects of BA and STS on Shoot Induction from Rhizome of *Cymbidium sinense*. *Proceedings of the 2024 World Orchid Conference*.
4. **Hiroyuki Sato, Ken Tokuhara**, Kazumitsu Miyoshi, Tomohisa Yukawa, and **Atsushi Abe**. 2024. The Effects of Sucrose Concentration, Temperature, and Illumination on Asymbiotic Seed Germination and Seedling Development of Endangered Orchid *Diploprora championii*. *Proceedings of the 2024 World Orchid Conference*.
5. Maehara Y., Kinoshita A., Rammitsu K., **Abe A.**, Kajita T., Kawaguchi D., Mukai A., Yukawa T., Ogura-Tsujita Y. 2024. Mycorrhizal fungi involved in the recent expansion of *Geodorum densiflorum* in the Bonin Islands, Japan. *Proceedings of the 2024 World Orchid Conference*.
6. **松原智子・砂川春樹**. 2024. 海洋博公園から排出される魚粕および植物性残渣を利用した有機堆肥がセンジュギクおよびパンジーの生育に及ぼす影響. *日本植物園協会誌* 58号: 受理済み、印刷中.
7. **Satoshi Tsujimoto**, Mitsuteru Akiba, Norikazu Kameyama, and Norio Sahashi. 2023. Occurrence of brown root rot in Ocean Expo Park, Okinawa, Japan: Infection route and preventive control measures. *Forest Pathology* 53: 1-7
8. 梶田結衣・**米倉浩司**・内貴章世. 2023. 西表島から日本新産外来植物シマミゾハコベ(アカネ科)の報告. *植物研究雑誌* 98(2): 97-100.
9. Akiyo Naiki, Tadaki Nakasone, Tetsuo Ohi-Toma, **Koji Yonekura** and **Atsushi Abe**. 2023. Rediscovery of *Exallage auricularia* (Rubiaceae) from Yonaguni Island, Okinawa, Japan. *Journal of Japanese Botany* 98(3): 134-139.

10. 山本武能・米倉浩司・阿部篤志・天野正晴・遠山弘法・設樂拓人・田金秀一郎・長谷川文・加島幹男・梶田忠・副島顕子・内貴章世. 2023. 沖縄県西表島産希少植物の島内分布調査と記録の確認 - 維管束植物相解明に向けて. 植物研究雑誌 98(4): 178-191
11. Kenji Suetsugu, Shun K. Hirota, Koji Yonekura, Atsushi Abe, Yoshihisa Suyama and Tian-Chuan Hsu. 2023. First record of *Thrixspermum annamense* (Orchidaceae) from Iriomote Island, Ryukyu Islands, Japan, with discussions on its intraspecific taxonomy. Acta Phytotaxonomica et Geobotanica 74(2): 121-129.
12. Goro Kokubugata, Satoshi Kakishima, Chan-ho Park, Takuro Ito, Atsushi Abe, Chikako Ishii and Gwan-Pil Song. 2023. A new record of *Ardisia*×*walkeri*, a hybrid of *A. japonica* and *A. pusilla*, (Primulaceae) from Jeju Island, Korea. Journal of Species Research 12(3): 258-265.
13. Kaori Tsunenari, Takuro Ito, Masatsugu Yokota, Mayu Shibabayashi, Chiharu Endo, Kuo-Fang Chung, Yoshihisa Suyama, Ayumi Matsuo, Atsushi Abe, Akiyo Naiki, Hiroaki Setoguchi, Takashi Makino & Yuji Isagi. 2024. Double migration of the endangered *Tricyrtis formosana* (Liliaceae) in Japan. Scientific Reports 14: Article number:957.
14. Mayu Shibabayashi, Takuro Ito, Junichi Nagasawa, Toshiaki Shiuchi, Goro Kokubugata, Atsushi Abe, Akiyo Naiki, Shota Sakaguchi, Taiga Shimizu, Kazuki Kurita, Yuji Isagi. 2023. Distinct conservation situations of two local critically endangered species, *Vaccinium emarginatum* (Ericaceae) and *Elatostema platyphyllum* (Urticaceae), growing on the global distribution edge. Frontiers in Ecology and Evolution 11.
15. 末次健司・村松稔・仲宗根忠樹・新城任・阿部篤志. 2023. オオハルザキヤツシロラン (ラン科) を与那国島に記録する. 植物地理・分類研究 71(2): 141-144