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Career

2019.3 Graduate School of Agriculture, Hokkaido University, Sapporo.
2019.4 – 2022.10 Agrochemical Research Center, Kumiai chemical industry co. ltd
2022.11- Research assistant professor; School of Food and Nutritional Sciences,
University of Shizuoka

Publications

Masui N, Shiojiri K, Agathokleous E, Tani A, Koike T (2023) Elevated O₃ threatens biological communications mediated by plant volatiles: A review focusing on the urban environment. Critical Reviews in Environmental Science and Technology (in press).

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Watanabe Y, Otsuka Y, Hinata K, Kitaoka S, Masui N, Laiye Qu, Koike T (2022) Distribution of tannins in the leaves of Siebold's beech (*Fagus crenata*) grown under different light regimes. Acta Physiologiae Plantarum. 44: 100. <https://doi.org/10.1007/s11738-022-03435-1>.

Qu LY, Shi C, Wang YN, Masui N, Rötzer T, Wang WK, Koike T (2022) Vigor and health of urban green resources under elevated O₃ and N deposition in Far East Asia, In: edited by Dr. Levente Hufnagel, "Vegetation Dynamics, Changing Ecosystems and Human Responsibility," IntechOpen.

Agathokleous E, Kitao M, Shi C, Masui N, Abu-ElEla S, Hikino K, Satoh F, Koike T (2022) Ethylenediurea (EDU) spray effects on willows (*Salix sachalinensis* F. Schmid) grown in ambient or ozone-enriched air: implications for renewable biomass production. Journal of Forestry Research. 33, 397–422.

- Masui N, Tani A, Matsuura H, Agathokleous E, Watanabe T, Koike T (2022) Elevated ozone disrupts the plant-insect communication; Changes of attractiveness of Japanese white birch leaves to *Agelastica coerulea* via Biogenic Volatile Organic Compounds (BVOCs). Eurasian journal of forest research, 22, 64-69.
- Masui N, Agathokleous E, Mochizuki T, Tani A, Matsuura H, Koike T (2021) Ozone disrupts the communication between plants and insects in urban and suburban areas: an updated insight on plant volatiles. Journal of Forestry Research, 32, 1337-1349.
- Masui N, Mochizuki T, Tani A, Matsuura H, Agathokleous E, Watanabe T, Koike T. (2020) Does Ozone Alter the Attractiveness of Japanese White Birch Leaves to the Leaf Beetle *Agelastica coerulea* via Changes in Biogenic Volatile Organic Compounds (BVOCs): An Examination with the Y-Tube Test. Forests. 11.
- Sugai T, Okamoto S, Agathokleous E, Masui N, Satoh F, Koike T (2020) Leaf defense capacity of Japanese elm (*Ulmus davidiana* var. *japonica*) seedlings subjected to a nitrogen loading and insect herbivore dynamics in a free air ozone-enriched environment. Environmental Science and Pollution Research, 27, 3350-3360.