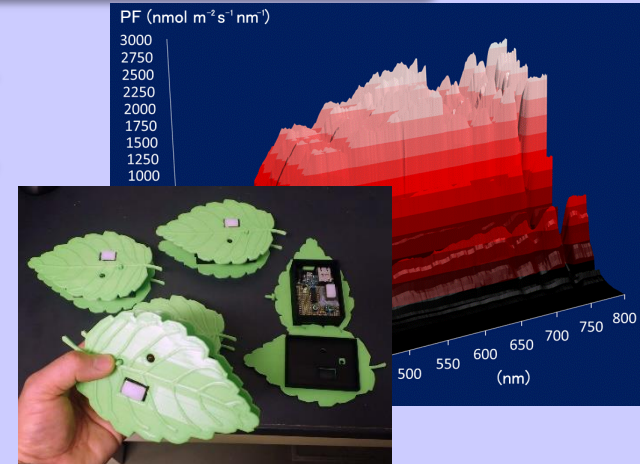


Study on Smart Greenhouse Plant Production

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Research Area

1. Measurement, control and analysis systems for greenhouse environment and plant growth by IoT, digital fabrication, AI etc.
2. Decision support systems for commercial plant production.
3. Hydroponics and artificial lighting technologies.
4. Standardization of biological and agricultural information exchange.



Development of mobile spectrometer by digital fabrication techniques



Decentralized autonomous environment control system

Recent Activities

- Present Situation and Prospects of Japanese Protected Horticulture and Ubiquitous Environment Control Systems. Journal of Science and High Technology in Agriculture 29(1): 163-171, 2016
- Hoshi Lab. Homepage, Plant Production Engineering, <http://www.hoshi-lab.info/home.html>