

Dr. Junichi P. ABE

Assistant Professor, Faculty of Life and Environmental Sciences, Doctoral Program in Biosphere Resource Science and Technology, Laboratory of Plant Parasitic Mycology.



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Born: July 25, 1965, Hamburg Germany.

Education:

1989	University of Tsukuba	Biology	BSc
1992	University of Tsukuba	Agriculture	MSc
1996	University of Tsukuba	Agriculture	PhD

Employment:

1996-1997	Research Fellowship for Young Scientists (PD), JSPS
1997	Research Associate, University of Tsukuba
2007	Associate Professor, University of Tsukuba

Professional Societies:

The Phytopathological Society of Japan

The Mycological Society of Japan

The Botanical Society of Japan

Research Interests:

1. Taxonomy and ecology of orchid mycorrhizal fungi *Tulasnella* in *Spiranthes sinensis*.
2. Search of more utilizable arbuscular mycorrhizal fungi (Glomeromycetes) for agriculture and revegetation.
3. Re-evaluation and establishment of taxonomy of glomeromyceteous fungi.
4. Comparison of genetic populations in *Ustilago esculenta* between Taiwan and Japan.

Recent Publications:

1. Zhang X, Shimizu K, Abe JP, Nomura K (2013) Expression of alkaline tolerance in germination and growth at the early seedlings of alkaligrass (*Puccinellia airoides*). *Journal of Arid Land Studies* **23**:13-18.

2. Ohmura Y, Hosaka K, Kasuya T, Abe J, Kakishima M (2013) Activity concentrations of radionuclides in lichens following the Fukushima Nuclear accident. *The Lichenologist* **45**(5): 685-689. DOI:10.1017/S0024282913000431
3. Okane I, Yamaoka Y, Kakishima M, Abe, JP, Obata K (2014). *Puccinia galiuuniversa*, a new caricicolous rust fungus systemically inhabiting *Galium aparine* in its spermogonial-aecial stage. *Mycoscience* **55**: 89-97. (<http://dx.doi.org/10.1016/j.myc.2013.05.008>)
4. Ohmura Y, Matsukura K, Abe JP, Hosaka K., Tamaoki M, Dohi T, Kakishima M, Seaward MRD (2015) ¹³⁷Cs concentrations in foliose lichens within Tsukuba-city as a reflection of radioactive fallout from the Fukushima Dai-ichi Nuclear Power Plant accident. *Journal of Environmental Radioactivity* **141**: 38-43. DOI: 10.1016/j.jenvrad.2014.11.01