Yuichi Yamaoka, Ph.D.
Date of Birth: April 28, 1957
Affiliation:
Laboratory of Plant Pathology and Mycology
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Academic History:

1976 – 1980	Bachelor of Agriculture	College of Agriculture and Forestry, Second Cluster of Colleges, University of Tsukuba
1980 – 1985	Ph.D. (Agriculture)	Doctoral Program in Agricultural Sciences, University of Tsukuba

Professional/ Scientific Career:

1986 -	Postdoctoral Research Associate	University of Alberta, Edmonton, Alberta, Canada
	Visiting Researcher	Northern Forestry Centre (Forestry Canada)
1989 -	Research Associate	Institute of Agriculture and Forestry, University of Tsukuba
1992 -	Lecturer	Institute of Agriculture and Forestry, University of Tsukuba
1996 -	Associate Professor	Institute of Agriculture and Forestry, University of Tsukuba
2010 - present	Professor	Graduate School of Life and Environmental Sciences, University of Tsukuba

Professional Societies:

Mycological Society of Japan
Phytopathological Society of Japan
Japanese Forestry Society
Tree Health Research Society
Japan Society for Microbial Resources and Systematics
American Phytopathological Society

Functions:

Trustee of the Mycological Society of Japan (203-2007, 2009-2013)

Editor of Mycoscience (2003-2009)

Editor of Journal of Forest Research (2012 to date)

Trustee of Tree Health Research Society (2014 to date)

President of the Mycological Society of Japan (2015 to date)

Committee member of Asian Mycological Association (2015 to date)

Awards:

Mycological Society of Japan Award in 2015

Japanese Journal of Mycology Award in 2012

Research Interests/Area:

I am studying on taxonomy, ecology and physiology of rust fungi (Pucciniales, Basidiomycota) and ophiostomatoid fungi (Ascomycota). Correct identification of the plant pathogenic fungi supported by the taxonomic studies are essential for proper control. It is also important to know their life cycle, host range, pathogenicity to host plants, association with vectors and so on. These biological information on the fungi are useful for developing control methods of the fungi.

Selected Publications:

1. Ando, Y., Masuya, H., Motohashi, K., Linnakoski, R. and Yamaoka, Y. 2016. Phylogenetic relationship of Japanese isolates belonging to the *Grosmannia piceiperda* complex (Ophiostomatales). Mycoscience 57 (2): 123-135. DOI: 10.1016/j.myc.2015.12.001
2. Yamaoka, Y. 2014. Recent outbreaks of rust diseases and the importance of basic biological research for controlling rusts. Journal of General Plant Pathology 80: 375-388 DOI 10.1007/s10327-014-0529-z
3. Akamatsu, H., Yamanaka, N., Yamaoka, Y., Soares, R. M., Morel, W., Ivancovich, A. J. G., Bogado, A. N., Kato, M., Yorinori, J. T., Suenaga, K. 2013. Pathogenic diversity of soybean rust in Argentina, Brazil, and Paraguay. Journal of General Plant Pathology 79 (1): 28-40
4. Yamaoka Y, Shinyama Y, and Obata K, 2010. Species biology of a heteroecious rust, *Melampsora chelidonii-pierotii* in riparian vegetation. *Nippon Kingakukai Kaiho* 51: 35-47. (in Japanese)
5. Chung, W.-H., Kim, J.-J., Yamaoka, Y., Uzunovic, A., Masuya, H. and Breuil, C. 2006. *Ophiostoma breviusculum* sp. nov. (Ophiostomatales, Ascomycota) is a new species in the *Ophiostoma piceae* complex associated with bark beetles infesting larch in Japan. Mycologia 98(5): 801-814.
6. Yamaoka, Y., Fujiwara, Y., Kakishima, M., Katsuya, K., Yamada, K. and Hagiwara, H. 2002. Pathogenic races of *Phakopsora pachyrhizi* on soybean and wild host plants collected in Japan. Journal of General Plant Pathology. 68 (1): 52-56.

7. Yamaoka, Y., Wingfield, M. J., Ohsawa, M., and Kuroda, Y. 1998. Ophiostomatoid fungi associated with *Ips cembrae* in Japan and their pathogenicity to Japanese larch. Mycoscience 39 (4): 367-378.
8. Yamaoka, Y., Wingfield, M. J., Takahashi, I., and Solheim, H. 1997. Ophiostomatoid fungi associated with the spruce bark beetle *Ips typographus* f. *japonicus* in Japan. Mycological Research 101 (10): 1215-1227.
9. Yamaoka, Y., Hiratsuka, Y., and Maruyama, P. J. 1995. The ability of *Ophiostoma clavigerum* to kill mature lodgepole pine trees. European Journal of Forest Pathology 25 (6-7): 401-404.
10. Yamaoka, Y., Swanson, R. H., and Hiratsuka, Y. 1990. Inoculation of lodgepole pine with four blue-stain fungi associated with mountain pine beetle, monitored by a heat pulse velocity (HPV) instrument. Canadian Journal of Forest Research 20 (1): 31-36.