

JAPANESE JOURNAL OF PHYTOPATHOLOGY

Vol. 71 (2005)

President : Noriyuki DOKE

CONTENTS

Presidential Address

- DOKE, N.: A strategy for enhancement of disease resistance that were drawn from the mechanism of hypersensitive reaction in host-parasite interaction of potato late blight 139

Lectures by the Winners of the Society Fellowship

- ARASE, S.: Studies on fungal pathogenicity and host resistance in rice blast disease using lesion mimic mutant of rice 143
 KUBO, Y.: Studies on mechanisms of appressorial penetration by *Colletotrichum lagenarium* 146
 NASU, H.: Ecological studies of deciduous fruits diseases and extension of their control methods 149

Abstracts of the Research by the Winners of the Young Scientist Award

- FUJINAGA, M.: Studies on physiological races and phylogenetic analysis of lettuce root rot pathogen, *Fusarium oxysporum* f. *sp. lactucae* 152
 TAKESHITA, M.: Molecular biological study of the host-specificity and cross-protection of *Cucumber mosaic virus* 153
 OKUDA, M.: Study of detection method and genetic characterization of tospoviruses 155

Review

- HORITA, H.: Identification, Ecology and Control of Black Streak on Edible Burdock 307

Originals

- TSUDA, K., KOSAKA, Y., KOBORI, T., SHIOMI, H., MUSUMI, K. and KATAOKA, M.: Effects of fertilizer application on yield and vitamin C content of tomato inoculated with the attenuated isolate CM95 of *Cucumber mosaic virus* 1
 MANABE, K., TASHIRO, N., NEGISHI, H., SUYAMA, K. and MATSUYAMA, N.: Simplified differentiation of three causal agents of potato common scab by TLC using secondary metabolites 6
 MURAKAMI, R. and SHIRATA, A.: Myrotoxin B detection from mulberry leaves infected with *Myrothecium roridum*, cause Myrothecium leaf spot of mulberry, and possible roles in pathogenicity 91
 KONAGAI, K., SAKAMOTO, K., USAMI, T., AMEMIYA, Y. and SHISHIDO, M.: Effect of wild oats green manure on soil microflora and diseases of tomato 101
 KIMURA, N. and OGAWA, M.: Disease control of rice blast of seedlings with benomyl drench 111
 YASUDA, F., YAMAGISHI, D., AKAMATSU, H., IZAWA, H., KODAMA, M. and OTANI, H.: Fruit stain of Japanese pear caused by basidiomycetous, yeast-like fungi, *Acaromyces ingoldii* and *Meira* sp. 156
 MURAKAMI, R., HIRADATE, S. and SHIRATA, A.: Detection of toxic substances from diseased mulberry leaves inoculated with *Myrothecium verrucaria*, cause of Myrothecium leaf spot of mulberry 166
 USAMI, T. and AMEMIYA, Y.: The potential for host range expansion of *Verticillium dahliae* by genetic recombination between two pathotypes 319

Short Communications

- ASHIZAWA, T. and ZENBAYASHI, K. S.: Improved efficiency in differentiating races of rice blast fungus using a multi-cell tray and plant growth regulator 11
 ASHIZAWA, T. and KATAOKA, Y.: Detection of *Ustilaginoidea virens* in rice panicles before and after heading in the field using nested-PCR technique with species-specific primers 16
 OKUDA, M., HANADA, K., UEMATSU, S., FUKUMOTO, F., MIHIRA, T., EBIHARA, Y. and IWANAMI, T.: Necrotic streaks of alstroemeria (*Alstroemeria* spp.) caused by *Iris yellow spot virus* (IYSV) 119
 ZEN, S., OKUDA, M., EBIHARA, K., UEMATSU, S., HANADA, K., IWANAMI, T. and NAKASHIMA, S.: Genetic characterization of *Iris yellow spot virus* on onion (*Allium cepa*) and pathogenicity of two IYSV strains on onion and leaf onion (*A. schoenoprasum*) 123
 YANO, K., KAWADA, Y., TSUCHIYA, K. and HORITA, M.: First report of bacterial wilt of mioga (*Zingiber mioga*) caused by *Ralstonia solanacearum* in Japan 179
 KOBAYASHI, T., KANDA, E., SASAHARA, M., ISHIKAWA, S., HATAYA, M., ISHIGURO, K., KANNO, H. and TORIGOE, Y.: Relationship between the normalized difference vegetation index and severity of rice panicle blast 326

Disease Note

SHINOHARA, H., UEHARA, K., KADOTA, I., NISHIYAMA, K. and TSUSHIMA, S.: Bacterial wilt, a new disease of balsam pear caused by <i>Ralstonia solanacearum</i>	20
NEKODUKA, S., HAMADA, H. and KATSUBE, K.: Necrotic mottle disease of gentian caused by <i>Impatiens necrotic spot virus</i> (INSV).....	183

Abstracts of Papers Presented at

the Meeting of the Kyushu Division, Kumamoto, November 8-9, 2004	23
the Meeting of the Kanto Division, Fuchu, September 16-17, 2004	31
the Meeting of the Tohoku Division, Fukushima, October 5-6, 2004.....	44
the Meeting of the Kansai Division, Matsuyama, October 9-10, 2004	52
the Meeting of the Hokkaido Division, Sapporo, October 22, 2004	81

Abstracts of the Papers Presented at the 2005 Annual Meeting in Shizuoka 185**Information from the Society** 86, 127, 305**News from the Phytopathological Society of Japan** No. 1, 2, 3, 4**Table of Contents for Vol. 71, 2005** No. 4**Index for Vol. 71, 2005** No. 4