

CONTENTS

Reviews and symposia articles/Articles de revue

- Advanced diagnostic approaches developed for the global menace of rice diseases: a review
M. M. Faizal Azizi and H. Y. Lau 627

Bacteria and phytoplasmas/Bactéries et phytoplasmes

- Shifts in *Xanthomonas* spp. causing bacterial spot in processing tomato in the Midwest of the United States
F. Rotondo, E. Bernal, X. Ma, M. L. L. Ivey, F. Sahin, D. M. Francis and S. A. Miller 652

Disease control/Moyens de lutte

- Effectiveness of COPPION 5.2 WV and Rhapsody to control downy mildew of lettuce
T. Thomidis and I. Prodromou 668

Disease reports and disease diagnostics/Rapports des maladies

- Alternaria alternata* causes bud blight of rose (*Rosa* sp.) in Cotopaxi, Ecuador
F. Herrera-Leon, F. Sánchez, A. Bermudez, N. Barriga-Medina, D. Ramírez-Villacís, K. Herrera, C. Ruales and A. Leon-Reyes 673

- Isolation and identification of *Colletotrichum truncatum* causing anthracnose disease of the Chinese medicinal herb *Cynanchum paniculatum*
J. Wang, S. Wang, W. Li, F. Guo, J. Pang, A. Liu and C. Han 680

- First report of *Puccinia lagenophorae* Cooke on *Senecio* spp. in Colombia
L. C. Álvarez-Morales, J. G. Morales-Osorio and M. Salazar-Yepes 689

- First report of *Nigrospora lacticola* causing leaf spot of *Bougainvillea spectabilis* in China
M. Li, Z. Gao, Y. Wang, W. Zhang, J. Yang, D. Gong, Y. Ma, Y. Li and M. Hu 695

- Detection and characterization of *Aspergillus tubingensis* causing leaf rot disease in pak choi in China
S. Arif, M. F. H. Munis, F. Liaquat, L. Zhao, U. Haroon, S. Gulzar, I. H. Shah, J. Pan and Y. Zhang 702

Epidemiology/Épidémiologie

- Effect of wounding and wound age on infection of canola cotyledons by *Leptosphaeria maculans*, interacting with leaf wetness
S. Huang, C. Zhai, Z. Zou, F. Liu, P. Parks, L. Mcgregor, W. G. D. Fernando and G. Peng 709

Genomics and bioinformatics/Génomique

- Lifestyle, mating type and mitochondrial genome features of the plant pathogen *Calonectria hawksworthii* (Hypocreales, Nectriaceae) as revealed by genome analyses
C. Salgado-Salazar, M. K. Romberg, C. Blomquist, S. Nunziata, W. Cai and Y. Rivera 723

Methods/Méthodes

- Urediniospores of *Puccinia sorghi*: pre- and post-cold storage requirements
A. Quade, R. F. Park, B. J. Stodart and G. J. Ash 737

Population biology/Biologie des populations

Genetic and pathogenic variation of *Botrytis cinerea*, the causal agent of grey mould on *Panax ginseng* in China
R. Wang, K. Liu, B. Chen, W. Ding and Y. Li

744

Population biology/Biologie des populations

New molecular markers for distinguishing the main phylogenetic lineages within *Alternaria* section *Alternaria*
J. R. Dettman and Q. Eggertson

754

Virology/Virologie

Analysis of the effects of the mutation of selected genes of pedilanthus leaf curl virus on infectivity, symptoms and the maintenance of tobacco leaf curl betasatellite
Z. Iqbal, M. Shafiq, S. Mansoor and R. W. Briddon

767

Corrections

780

Cover illustrations: (Left) Teliospores of *Puccinia lagenophorae*, pathogenic on *Senecio* spp.; for more insight, see the article by Álvarez-Morales et al. in this issue. (Right) Non-wounded and wounded canola (*Brassica napus*) cotyledons spray inoculated with *Leptosphaeria maculans* expressing green fluorescent protein; for more insight, see the article by Huang et al. in this issue