

## Reviews and symposia articles / Articles de revue

The 168-year taxonomy of *Claviceps* in the light of variations: From three morphological species to four sections based on multigene phylogenies

*M. Liu, M. Kolařík and E. Tanaka*

783

Ergot in Canadian cereals – relevance, occurrence, and current status

*S. Walkowiak, D. Taylor, B. X. Fu, D. Drul, K. Pleskach and S. A. Tittlemier*

793

## Disease control / Moyens de lutte

Application of plant growth-promoting rhizobacteria combined with compost as a management strategy against *Verticillium dahliae* in tomato

*Y. Ait Rahou, A. Douira, A. Tahiri, E. M. Cherkaoui, R. Benkirane and A. Meddich*

806

Phylogenetic identification of fungi isolated from strawberry and papaya fruits and their susceptibility to fatty acids

*L. Robles-Yerena, J. Rodríguez-Mendoza, G. Santoyo, X. I. Ochoa-Alvarado, R. I. Medina-Estrada,*

*R. Jiménez-Mejía and P. D. Loeza-Lara*

828

Rhizospheric bacteria for use in preventing Fusarium wilt and crown root rot of tomato under natural field conditions

*M. M. R. Khalil, R. Félix-Gastélum, O. Peñuelas-Rubio, L. Argente-Martínez and I. E. Maldonado-Mendoza*

836

## Disease reports and disease diagnostics / Rapports des maladies

Molecular detection, virulence, and mycelial compatibility of *Macrophomina phaseolina* isolates associated with chickpea wilt in Sinaloa and Sonora, Mexico

*C. I. Cota-Barreras, R. S. García-Estrada, J. B. Valdez-Torres, J. León-Félix, V. Valenzuela-Herrera*

*and J. M. Tovar-Pedraza*

849

## Epidemiology / Épidémiologie

*Diaporthe* species associated with symptomatic and asymptomatic infection of soybean stems in Minnesota: identity, virulence, and growth characteristics

*C. M. Floyd and D. K. Malvick*

858

## Genetics and resistance / Génétique et résistance

Genetic structure and genome-wide association study of a genomic panel of two-row, spring barley (*Hordeum vulgare* L.) with differential reaction to Fusarium head blight (*Fusarium graminearum* Schwabe) and deoxynivalenol production

*J. R. Tucker, A. L. Brûlé-Babel, C. W. Hiebert, R. Larios, W. G. Legge, A. Badea and W. G. D. Fernando*

874

## Population biology / Biologie des populations

Frequency and genetic variability of the avirulence gene *AvrLm4-7* among *Leptosphaeria maculans* isolates collected in Oklahoma, USA

*F. Cevallos, L. Peña-Zuñiga, F. Ochoa-Corona and J. Damicone*

892

**Soilborne diseases / Maladies telluriques**

Response of the legume *Macrotyloma axillare* 'Java' to different inoculum levels of *Meloidogyne javanica* and defence responses

A. Miamoto, A. D. P. Mattos, A. Calandrelli, L. K. Rinaldi, T. M. Mioranza, M. T. R. Silva,

L. P. D. S. Chidichima and C. R. Dias-Arieira

907

**Special topics / Thèmes spéciaux**

In memoriam / En mémoire: Chuji Hiruki 1931-2021

918