

## Special topics/Sujets spéciaux

In memoriam/À la mémoire de Tom Grisedale Atkinson, 1929–2012

D. Gaudet 1

## Symposium contribution/Contribution à un symposium

Functional genomic approaches in cereal rusts

G. Bakkeren, X. Song, V. Panwar, R. Linning, X. Wang, C. Rampitsch, B. McCallum, J. Fellers  
and B. Saville 3

Genome sequences of *Phytophthora* enable translational plant disease management and accelerate research

N. J. Grünwald 13

Contributions of genomics to forest pathology

R. C. Hamelin 20

Deciphering plant–pathogen interactions applying metabolomics: principles and applications

K. A. Aliferis and S. Jabaji 29

## Bacteria and phytoplasmas/Bactéries et phytoplasmes

Detection and identification of the elm yellows group phytoplasma associated with Puna chicory flat stem  
in China

Z.-N. Li, L. Zhang, Y.-B. Bai, P. Liu and Y.-F. Wu 34

Determination of the pathogenic and non-pathogenic bacteria on stone fruits grown in Northeast Anatolia  
region of Turkey

A. Gormez and F. Sahin 42

## Disease control/Moyens de lutte

Effect of non-aerated compost teas on damping-off pathogens of tomato

A. Dionne, R. J. Tweddell, H. Antoun and T. J. Avis 51

## Genetics and resistance/Génétique et résistance

The infection process of two pathogenic races of *Colletotrichum truncatum* on lentil

C. Armstrong-Cho, J. Wang, Y. Wei and S. Banniza 58

Expression of high-temperature adult-plant (HTAP) resistance against stripe rust (*Puccinia striiformis* f. sp.  
*tritici*) in Pakistan wheat landraces

H. Bux, M. Ashraf and X. Chen 68

Physiological specialization in the western Canadian population of *Phaeosphaeria nodorum*

E. D. Matlock, C. A. McCartney and J. Gilbert 75

Genetic structure and variation in aggressiveness in *Fusarium virguliforme* in the Midwest United States

G. Y. C. Mbofung, T. C. Harrington, J. T. Steimel, S. S. Navi, X. B. Yang and L. F. Leandro 83

(continued on inside back cover)

(continued from back cover)

## **Soilborne pathogens/Agents pathogènes telluriques**

Note

*Medicago truncatula* ecotypes A17 and R108 show variations in jasmonic acid/ethylene induced resistance to *Macrophomina phaseolina*

A. R. Gaige, T. Doerksen and B. Shuai

**98**

## **Virology/Virologie**

Note

Detection and genetic diversity of *Prunus necrotic ringspot virus* in the Niagara Fruit Belt, Canada

H. Cui, N. Hong, G. Wang and A. Wang

**104**

Effect of *Tomato yellow leaf curl bigeminivirus* (TYLCV) infection on tomato cell ultrastructure and physiology

M. S. Montasser, F. D. Al-Own, A. M. Haneif and M. Afzal

**114**

Ultrastructural effects of infection caused by *Tobacco rattle virus* transmitted by *Trichodorus primitivus* in potato and tobacco tissues

K. Otulak, M. Chouda, M. Chrzanowska and G. Garbaczewska

**126**

## **Abstracts/Résumés**

British Columbia Regional Meeting, 2011/Réunion régionale de la Colombie-Britannique, 2011

**139**

The Seventh Canadian Workshop on Fusarium Head Blight/7e Colloque canadien sur la fusariose de l'épi

**141**