

**Symposium contribution/Contribution à un symposium**

Plant diseases, global food security and the role of R. Glenn Anderson

S. Rajaram and H. J. Dubin

311

**Bacteria and phytoplasmas/Bactéries et phytoplasmes**

Pathovar specific molecular detection of *Xanthomonas campestris* pv. *campestris*, the causal agent of black rot disease in cabbage

M. H. Rubel, S. Natarajan, M. R. Hossain, U. K. Nath, K. S. Afrin, J. Lee, H. Jung, H. Kim, J. Park and I. Nou

318

Characterization of *Ralstonia solanacearum* species complex strains causing bacterial wilt of tomato in Louisiana, USA

A. M. Jimenez Madrid, V. P. Doyle and M. L. L. Ivey

329

First report of 16SrII-D phytoplasma associated with eggplant phyllody in China

Z. Li, Y. Tang, X. She, L. Yu, G. Lan and Z. He

339

**Disease control/Moyens de lutte**

Reducing apple scab and frog-eye or black rot infections with salicylic acid or its analogue on field-established apple trees

P. A. Abbasi, S. Ali, G. Braun, E. Bevis and S. Fillmore

345

*Pseudomonas fluorescens* and low doses of chemicals inhibit postharvest decay of apples in commercial storage

R. L. Wallace, D. L. Hirkala and L. M. Nelson

355

**Disease report/Rapport des maladies**

Leaf blight on okra caused by *Choanephora cucurbitarum* in China

P. Liu, M. Wei, J. Zhang, R. Wang, B. Li, Q. Chen and Q. Weng

366

Leaf blight of sunflower caused by *Alternaria tenuissima* and *A. alternata* in Beijing, China

T. Wang, J. Zhao, G. Ma, S. Bao and X. Wu

372

**Epidemiology/Épidémiologie**

Virulence of *Puccinia coronata* var *avenae* f. sp. *avenae* (oat crown rust) in Canada during 2010 to 2015

J. G. Menzies, A. Xue, J. Gruenke, R. Dueck, S. Deceuninck and Y. Chen

379

Prevalence of *Fusarium* species causing head blight of spring wheat, barley and oat in Ontario during 2001–2017

A. G. Xue, Y. Chen, K. Seifert, W. Guo, B. A. Blackwell, L. J. Harris and D. P. Overy

392

<i>Fusarium</i> and <i>Alternaria</i> mycotoxins present in Canadian wheat and durum harvest samples S. A. Tittlemier, R. Blagden, J. Chan, D. Gaba, T. McKendry, K. Pleskach and M. Roscoe	403
Differential sensitivity among <i>Puccinia striiformis</i> f. sp. <i>tritici</i> isolates to propiconazole and pyraclostrobin fungicides Z. Kang, X. Li, A. Wan, M. Wang and X. Chen	415
Effects of soil tillage and crop rotation on the development of wheat stem base diseases B. Bankina, G. Bimšteine, L. Paulovska, L. Paura, O. Pavloviča, J. Kačeps, I. Neusa-Luca, A. Roga and D. Fridmanis	435
<b>Genetics and resistance/Génétique et résistance</b>	
Pyramiding stem rust resistance genes to race TTKSK (Ug99) in wheat B. Zhang, D. Chi, C. Hiebert, T. Fetch, B. McCallum, A. Xue, W. Cao, R. Depauw and G. Fedak	443
<b>Host-pathogen interactions/Interactions hôte-pathogène</b>	
Variable interactions between non-cereal grasses and <i>Fusarium graminearum</i> M. R. Fulcher, J. P. Garcia, K. C. M. Damann and G. C. Bergstrom	450
Synchrotron-based spectroscopy and imaging reveal changes in the cell-wall composition of barley leaves in defence responses to <i>Blumeria graminis</i> f. sp. <i>tritici</i> R. Lahlali, T. Song, M. Chu, C. Karunakaran, F. Yu, Y. Wei and G. Peng	457
<b>Virology/Virologie</b>	
Incidence and molecular characterization of a 16Srl-B phytoplasma strain associated with <i>Vitis vinifera</i> leaf yellowing and reddening in the west of Iran G. Babaei, S.A. Esmaeilzadeh-Hosseini, R. Eshaghi and V. Nikbakht	468
<b>Abstracts/Résumés</b>	
2018 International Clubroot Workshop, Edmonton, Alberta, Canada	475
Alberta and Saskatchewan Joint Regional Meeting, 2018/Réunion Régionale de l'Alberta et de la Saskatchewan, 2018	495
Atlantic Regional Meeting, 2018/Réunion Régionale des Atlantic, 2018	504
British Columbia Regional Meeting, 2018/Réunion Régionale de la Colombie-Britannique, 2018	507
Eastern Ontario Regional Meeting, 2018/Réunion Régionale de l'est de l'Ontario, 2018	513
Manitoba Regional Meeting, 2018/Réunion Régionale de l'Manitoba, 2018	515
Southwestern Ontario Regional Meeting, 2018/Réunion Régionale du ouest de l'Ontario, 2018	517