

JOURNAL NOTICE

JAN E. LEACH & STEVEN LINDLOW, EDS. 2018. **Annual Review of Phytopathology, Volume 56.** (ISSN: 0066-4286; ISBN: 978-0-8243-1356-2, hbk). Annual Reviews, Inc., 4139 El Camino Way, P.O. Box 10139, Palo Alto, California 94303, U.S.A. (**Orders:** www.AnnualReviews.org, science@annualreviews.org, 1-800-523-8635). \$112.00 indiv. US, 677 pp., 7.5" × 9.25".

ABOUT THIS JOURNAL—The *Annual Review of Phytopathology*, in publication since 1963, covers the significant developments in the field of plant pathology, including plant disease diagnosis, pathogens, host-pathogen interactions, epidemiology and ecology, breeding for resistance and plant disease management, and includes a special section on the development of concepts.

Contents of Volume 56:

- Organic Amendments, Beneficial Microbes, and Soil Microbiota: Toward a Unified Framework for Disease Suppression—G. Bonanomi, M. Lorito, F. Vinale, S.L. Woo
- The Genome Biology of Effector Gene Evolution in Filamentous Plant Pathogens—A. Sánchez-Vallet, S. Fouché, I. Fudal, F.E. Hartmann, J.L. Soyer, A. Tellier, D. Croll
- Seeing the Light: The Roles of Red- and Blue-Light Sensing in Plant Microbes—G.A. Beattie, B.M. Hatfield, H. Dong, R.S. McGrane
- Advances in Wheat and Pathogen Genomics: Implications for Disease Control—B. Keller, T. Wicker, S.G. Krattinger
- Joining the Crowd: Integrating Plant Virus Proteins into the Larger World of Pathogen Effectors—S.M. Leisner, J.E. Scholz
- The Future of Nanotechnology in Plant Pathology—W. Elmer, J.C. White
- Mechanisms Underlying Establishment of Arbuscular Mycorrhizal Symbioses—J. Choi, W. Summers, U. Paszkowski
- Antibiotic Resistance in Plant-Pathogenic Bacteria—G.W. Sundin, N. Wang
- Xylella fastidiosa*: Insights into an Emerging Plant Pathogen—A. Sicard, A.R. Zeilinger, M. Vanhove, T.E. Scharfel, D.J. Beal, M.P. Daugherty, R.P.P. Almeida
- The Barberry Eradication Program in Minnesota for Stem Rust Control: A Case Study—P.D. Peterson
- Endosymbionts of Plant-Parasitic Nematodes—A.M.V. Brown
- Structural, Functional, and Genomic Diversity of Plant NLR Proteins: An Evolved Resource for Rational Engineering of Plant Immunity—F. Monteiro, M.T. Nishimura
- The Changing Face of Bacterial Soft-Rot Diseases—A.O. Charkowski
- Biology of Fungi and Their Bacterial Endosymbionts—T.E. Pawlowska, M.L. Gaspar, O.A. Lastovetsky, S.J. Mondo, I. Real-Ramirez, E. Shakya, P. Bonfante
- Sclerotinia sclerotiorum*: An Evaluation of Virulence Theories—L. Xu, G. Li, D. Jiang, W. Chen
- Fitness Penalties in the Evolution of Fungicide Resistance—N.J. Hawkins, B.A. Fraaije
- Multifaceted Impacts of Bacteriophages in the Plant Microbiome—B. Koskella, T.B. Taylor
- Plant-Parasitic Nematodes and Food Security in Sub-Saharan Africa—D.L. Coyne, L. Cortada, J.J. Dalzell, A.O. Claudius-Cole, S. Haukeland, N. Luambano, H. Talwana
- The Rise and Rise of *Nicotiana benthamiana*: A Plant for All Reasons—J. Bally, H. Jung, C. Mortimer, F. Naim, J.G. Phillips, R. Hellens, A. Bombarely, M.M. Goodin, P.M. Waterhouse
- Wheat Blast: Past, Present, and Future—P.C. Ceresini, V.L. Castroagudin, F.A. Rodrigues, J.A. Rios, C.E. Auciique-Pérez, S.I. Moreira, E. Alves, D. Croll, J.L. Nunes Maciel
- Lessons from the Incursion of Myrtle Rust in Australia—A.J. Carnegie, G.S. Pegg
- CRISPR Crops: Plant Genome Editing Toward Disease Resistance—T. Langner, S. Kamoun, K. Belhaj
- Understanding Cytoskeletal Dynamics During the Plant Immune Response—J. Li, C.J. Staiger
- Hyperspectral Sensors and Imaging Technologies in Phytopathology: State of the Art—A.-K. Mahlein, M.T. Kuska, J. Behmann, G. Polder, A. Walter
- Network Analysis: A Systems Framework to Address Grand Challenges in Plant Pathology—K.A. Garrett, R.I. Alcalá-Briseño, K.F. Andersen, C.E. Buddenhagen, R.A. Choudhury, J.C. Fulton, J.F. Hernandez Nopsa, R. Poudel, Y. Xing
- RNA Interference Mechanisms and Applications in Plant Pathology—C. Rosa, Y.-W. Kuo, H. Wuriyangan, B.W. Falk
- Multiple-Disease System in Coffee: From Crop Loss Assessment to Sustainable Management—J. Avelino, C. Allinne, R. Cerda, L. Wilcoquet, S. Savary
- World Management of Geminiviruses—M.R. Rojas, M.A. Macedo, M.R. Maliano, M. Soto-Aguilar, J.O. Souza, R.W. Briddon, L. Kenyon, R.F. Rivera Bustamante, F. Murilo Zerbini, S. Adkins, J.P. Legg, A. Kvarnheden, W.M. Wintermantel, M.R. Sudarshana, M. Peterschmitt, M. Lapidot, D.P. Martin, E. Moriones, A.K. Inoue-Nagata, R.L. Gilbertson