

PRESS RELEASE

For immediate release

Media contact: Dawn Wuest
APS PRESS
Phone: +1.651.454.7250
Web: www.shopapspress.org
E-mail: aps@scisoc.org

New APS PRESS Book Delivers Foundational Research for the Novel, Efficient, and Sustainable Management of Bacterial Plant Diseases

St. Paul, Minn. (December 2015)—Bacterial plant pathogens are among the largest yield robbers in agriculture.

One of the best sources of innovation for managing these pathogens is an understanding of their virulence mechanisms. *Virulence Mechanisms of Plant-Pathogenic Bacteria*, a new book published by APS PRESS, helps readers build a foundation for the creative, effective, and ongoing management of bacterial diseases in plants by highlighting the latest research advances on virulence mechanisms in the context of the most important bacterial diseases in agriculture.

The first section of this nearly 500-page book covers the many basic concepts related to virulence mechanisms of bacteria, such as quorum sensing, biofilms, pathogen-associated molecular patterns (PAMPs), cell surface polysaccharides (SPSs), fimbrial surface attachment structures, cyclic diguanosine monophosphate (c-di-GMP) regulation, bacterial secretion systems and effectors, cell-wall-degrading enzymes, regulation, metals as regulators of virulence, and high-throughput sequencing technology.

The second section offers case studies of virulence mechanisms in significant bacterial pathogens, including '*Candidatus Liberibacter*' spp., *Xylella fastidiosa*, *phytoplasmas*, *spiroplasmas*, *Erwinia amylovora*, *Ralstonia* spp., *Xanthomonas* spp., *Pectobacterium* and *Dickeya* spp., and *Streptomyces* spp.

Virulence Mechanisms of Plant-Pathogenic Bacteria was developed by a team of top researchers in this field, making it the most current and authoritative resource available. It is an essential reference for researchers and students in the fields of plant pathology, microbiology, bacteriology, and plant-microbe interactions.

Visit www.shopapspress.org to learn more about this and other important titles from APS PRESS.

Book Specifications and Data

2015; 8.5" x 11" hardcover; 492 pages; 73 images; 5 pounds; ISBN 978-0-89054-444-0

This book is published by The American Phytopathological Society (APS) and may be purchased for \$395 plus S&H from APS PRESS.

Review copies of *Virulence Mechanisms of Plant-Pathogenic Bacteria* are available. If you are interested in reviewing this book for your publication and can forward a copy of the published review within six months of receiving the book, please send your request with details of your publication to Dawn Wuest at aps@scisoc.org.

NOTE: Digital artwork of the book's cover is available by contacting Dawn Wuest using the contact information provided. Please specify if the artwork will be used for print or electronic media.

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