JOURNAL NOTICE

SABEEHA S. MERCHANT, WILHELM GRUISSEM, AND KEIKO U. TORII, Eds. 2024. Annual Review of Plant Biology, Volume 75. (ISSN: 1543-5008, ISBN-13: 978-0-8243-0675-5, hbk). Annual Reviews, Inc., 1875 Grant Street, Suite 700, San Mateo, California 94402, U.S.A. (Orders: annualreviews.org, science@annualreviews.org). Price not given, 824 pp., $9\frac{1}{2}$ " × $7\frac{1}{2}$ ".

ABOUT THIS JOURNAL-The Annual Review of Plant Biology, in publication since 1950, covers the significant developments in the field of plant biology, including biochemistry and biosynthesis, genetics, genomics and molecular biology, cell differentiation, tissue, organ and whole plant events, acclimation and adaptation, and methods and model organisms.

Contents of Volume 75:

Metal Transport Systems in Plants-Sheng Huang, Naoki Yamaji, and Jian Feng Ma

- Metal Homeostasis in Land Plants: A Perpetual Balancing Act Beyond the Fulfilment of Metalloproteome Cofactor Demands—Ute Krämer
- B Vitamins: An Update on Their Importance for Plant Homeostasis-Teresa B. Fitzpatrick
- Polyamines: Their Role in Plant Development and Stress-Miguel A. Blázquez
- Structural Diversity in Eukaryotic Photosynthetic Light Harvesting-Masakazu Iwai, Dhruv Patel-Tupper, and Krishna K. Niyogi
- New Insight Into Phytochromes: Connecting Structure to Function-Jon Hughes, and Andreas Winkler

Structure and Function of Auxin Transporters-Ulrich Z. Hammes, and Bjørn Panyella Pedersen

- The Plant Mediator Complex in the Initiation of Transcription by RNA Polymerase II-Santiago Nicolás Freytes, María Laura Gobbini, and Pablo D. Cerdán
- Enabling Lignin Valorization Through Integrated Advances in Plant Biology and Biorefining-Richard A. Dixon, Allen Puente-Urbina, Gregg T. Beckham, and Yuriy Román-Leshkov
- Dissecting Mechanisms of Epigenetic Memory Through Computational Modeling—Amy Briffa, Govind Menon, Ander Movilla Miangolarra, and Martin Howard
- Plasmodesmata: Channels Under Pressure-Emmanuelle M. Bayer, and Yoselin Benitez-Alfonso
- Intercellular Communication in Shoot Meristems—Edgar Demesa-Arevalo, Madhumitha Narasimhan, and Rüdiger Simon
- FERONIA: A Receptor Kinase at the Core of a Global Signaling Network—Alice Y. Cheung
- Leaf Vein Patterning-Enrico Scarpella
- Stem Cells and Differentiation in Vascular Tissues-Pascal Hunziker, and Thomas Greb
- The Birth and Death of Floral Organs in Cereal Crops—Yongyu Huang, and Thorsten Schnurbusch
- LAFL Factors in Seed Development and Phase Transitions-Sonia Gazzarrini, and Liang Song
- Environmental Control of Hypocotyl Elongation-Johanna Krahmer, and Christian Fankhauser
- Structural and Evolutionary Aspects of Plant Endocytosis-Michael Kraus, Roman Pleskot, and Daniël Van Damme
- Fighting for Survival at the Stomatal Gate—Maeli Melotto, Brianna Fochs, Zachariah Jaramillo, and Olivier Rodrigues
- Diving into the Water: Amphibious Plants as a Model for Investigating Plant Adaptations to Aquatic Environments-Hiroyuki Koga, Shuka Ikematsu, and Seisuke Kimura
- Plant Molecular Phenology and Climate Feedbacks Mediated by BVOCs-Akiko Satake, Tomika Hagiwara, Atsushi J. Nagano, Nobutoshi Yamaguchi, Kanako Sekimoto, Kaori Shiojiri, and Kengo Sudo
- Using Synthetic Biology to Understand the Function of Plant Specialized Metabolites—Yuechen Bai, Xinyu Liu, and Ian T. Raldwin
- Viral Recognition and Evasion in Plants-Rosa Lozano-Durán
- Adaptation and the Geographic Spread of Crop Species-Rafal M. Gutaker, and Michael D. Purugganan
- Conserving Evolutionary Potential: Combining Landscape Genomics with Established Methods to Inform Plant Conservation-Sally N. Aitken, Rebecca Jordan, and Hayley R. Tumas
- Physiological Responses of C4 Perennial Bioenergy Grasses to Climate Change: Causes, Consequences, and Constraints— Robert W. Heckman, Caio Guilherme Pereira, Michael J. Aspinwall, and Thomas E. Juenger

Deep Learning in Image-Based Plant Phenotyping—Katherine M. Murphy, Ella Ludwig, Jorge Gutierrez, and Malia A. Gehan Plant Cryopreservation: Principles, Applications, and Challenges of Banking Plant Diversity at Ultralow Temperatures— Manuela Nagel, Valerie Pence, Daniel Ballesteros, Maurizio Lambardi, Elena Popova, and Bart Panis



open Caccess This article has been licensed as Open Access by the author(s) and publisher. This version supersedes any other version with conflicting usage rights.