

TABLAS DE CONTENIDO AGOSTO 16 AL 31 DE 2011

AGROCIENCIA. Vol. 45(4). 2011

ANNUAL REVIEW OF PLANT BIOLOGY. Vol. 62. 2011

BIOTECHNOLOGIE, AGRONOMIE, SOCIETE ET ENVIRONNEMENT. Vol. 15(2). 2011

CIENCIA RURAL. Vol. 41(6). 2011

CONSERVATION. Vol. 11(4). 2011

PHYTOPATHOLOGY. Vol. 101(7). 2011

PLANT CELL Vol. 23(4). 2011

REVISTA DE LA FACULTAD DE CIENCIAS AGRARIAS. UNIVERSIDAD NACIONAL DE CUYO. Vol. 49(2). 2010

AGROCIENCIA. Vol. 45(4). 2011

Deneb Bautista-Puga, L. Miguel Vázquez-García, Helena Leszczynska-Borys, et al. Caracterización del lirio azteca mediante marcadores morfológicos y moleculares M. (Pag. 413-422)

José L. Espinoza-Villavicencio, Alejandro Palacios-Espinosa, Ariel Guillén-Trujillo, Narciso Y. Avila-Serrano, Danilo Guerra-Iglesias Componentes de (co)varianza del crecimiento posdestete en vaquillas santa gertrudis utilizando modelos de regresión aleatoria (Pag. 423-430)

Lisandro J. Entio, María de la M. Mujica. Resiembra natural en *Lotus tenuis* implantado con diferentes sistemas de siembra / natural (Pag. 431-441)

J. Hugo Martínez-Guerrero, Christian Wehenkel, M. Emilio Pereda-Solís, et al. Relación entre la cobertura del suelo y atributos de la vegetación invernal con *Ammodramus bairdii*, audubon 1844, en el noroeste de México (Pag. 443-451)

Tomislav Curkovic-S., Javier Muñoz-M. Caracterización del cortejo y cópula en *Calliphrysis apicornis*: herramienta para definir la viabilidad para desarrollar estrategias de manejo (Pag. 453-464)

J. Luis Mora-López, J. Antonio Reyes-Agüero, J. Luis Flores-Flores, et al. Variación morfológica y humanización de la sección salmiana del género *Agave* (Pag. 465-477)

Jorge Méndez-González, S. Luis Luckie-Navarrete, M. Ángel Capó-Arteaga, J. Abel Nájera-Luna. Ecuaciones alométricas y estimación de incrementos en biomasa aérea y carbono en una plantación mixta de *Pinus devoniana* lindl. y *P. pseudostrobus* lindl., en Guanajuato, México (Pag. 479-491)

Diana Córdoba-Rodríguez, J. Jesús Vargas-Hernández, Javier López-Upton, Abel Muñoz-Orozco. crecimiento de la raíz en plantas jóvenes de *Pinus pinceana*

Gordon en respuesta a la humedad del suelo / root growth in young plants of pinus pinceana gordon in response to soil moisture. (Pag. 493-506)

Rubén Martínez-Camilo, Mario González-Espinosa, Miguel Á. Pérez-Farrera, et al. evaluación del efecto del aprovechamiento foliar en *Chamaedorea Quezalteca* standl. & steyermark. (palmae), en la reserva de la biosfera el triunfo, Chiapas, México (Pag. 507-518)

Almudena Samos Juárez, Rodolfo Bernabéu Cañete. Preferencias de servicios en el parque natural de los calares del mundo y de la sima (Castilla-La mancha, España) (Pag. 519-530)

INICIO

ANNUAL REVIEW OF PLANT BIOLOGY. Vol. 62. 2011

Marc Van Montagu It Is a Long Way to GM Agriculture (Pag. 1-23)

Hélène Barbier-Brygoo, Alexis De Angeli, Sophie Filleur, et al. Anion Channels/Transporters in Plants: From Molecular Bases to Regulatory Networks (Pag. 25-51)

Andreas P.M. Weber and Nicole Linka. Connecting the Plastid: Transporters of the Plastid Envelope and Their Role in Linking Plastidial with Cytosolic Metabolism (Pag. 53-77)

A. Harvey Millar, James Whelan, Kathleen L. Soole, and David A. Day Organization and Regulation of Mitochondrial Respiration in Plants (Pag. 79-104)

Andrew D. Hanson and Jesse F. Gregory III. Folate Biosynthesis, Turnover, and Transport in Plants (Pag. 105-125)

Maor Bar-Peled and Malcolm A. O'Neill. Plant Nucleotide Sugar Formation, Interconversion, and Salvage by Sugar Recycling (Pag. 127-155)

Hideki Takahashi, Stanislav Kopriva, Mario Giordano, Kazuki Saito, and Rüdiger Hell. Sulfur Assimilation in Photosynthetic Organisms: Molecular Functions and Regulations of Transporters and Assimilatory Enzymes (Pag. 157-184)

Tzyy-Jen Chiou and Shu-I Lin. Signaling Network in Sensing Phosphate Availability in Plants (Pag. 185-206)

Yi-Fang Tsay, Cheng-Hsun Ho, Hui-Yu Chen, and Shan-Hua Lin. Integration of Nitrogen and Potassium Signaling (Pag. 207-226)

Sally E. Smith and F. Andrew Smith. Roles of Arbuscular Mycorrhizas in Plant Nutrition and Growth: New Paradigms from Cellular to Ecosystem Scales (Pag. 227-250)

Richard Sayre, John R. Beeching, Edgar B. Cahoon, et al. The BioCassava Plus Program: Biofortification of Cassava for Sub-Saharan Africa (Pag. 251-272)

Sarah J. Swanson, Won-Gyu Choi, Alexandra Chanoca, and Simon Gilroy. In Vivo Imaging of Ca²⁺, pH, and Reactive Oxygen Species Using Fluorescent Probes in Plants (Pag. 273-297)

Zhihua Hua and Richard D. Vierstra. The Cullin-RING Ubiquitin-Protein Ligases

(Pag. 299–334)

The Cryptochromes: Blue Light Photoreceptors in Plants and Animals
Inês Chaves, Richard Pokorny, Martin Byrdin, et al. (Pag. 335–364)

Vincent Mirabet, Pradeep Das, Arezki Boudaoud, and Olivier Hamant. The Role of Mechanical Forces in Plant Morphogenesis (Pag. 365–385)

Carolyn G. Rasmussen, John A. Humphries, and Laurie G. Smith. Determination of Symmetric and Asymmetric Division Planes in Plant Cells (Pag. 387–409)

Guangming He, Axel A. Elling, and Xing Wang Deng. The Epigenome and Plant Development (Pag. 411–435)

Tohru Ariizumi and Kinya Toriyama. Genetic Regulation of Sporopollenin Synthesis and Pollen Exine Development (Pag. 437–460)

Frédéric Berger and David Twell. Germline Specification and Function in Plants (Pag. 461–484)

Ray Ming, Abdelhafid Bendahmane, and Susanne S. Renner. Sex Chromosomes in Land Plants (Pag. 485–514)

Martin F. Hohmann-Marriott and Robert E. Blankenship. Evolution of Photosynthesis (Pag. 515–548)

Eran Pichersky and Efraim Lewinsohn. Convergent Evolution in Plant Specialized Metabolism (Pag. 549–566)

Evolution and Diversity of Plant Cell Walls: From Algae to Flowering Plants
Zoë A. Popper, Gurvan Michel, Cécile Hervé, et al. (Pag. 567–590)

INICIO

BIOTECHNOLOGIE, AGRONOMIE, SOCIETE ET ENVIRONNEMENT. Vol. 15(2). 2011

Bayala B., Rubio-Pellicer MT., Zongo M., Malpaux B., Sawadogo L. — Activité anti-androgénique de *Leptadenia hastata* (Pers.) Decne : effet compétitif des extraits aqueux de la plante et du propionate de testostérone sur des rats impubères castrés, (Pag. 223–229).

El Semary NA. — Description polyphasique d'un isolat de *Desmodesmus* spp. présentant un potentiel dans la production de composés bio-actifs (Text in English), (Pag. 231–238).

Xanthoulis D., Debauche O., Fonder N., Degré A. — Citerne d'eau de pluie et effet sur le débit à l'exutoire du bassin versant de l'Orneau dans la région de Gembloux (Belgique), (Pag. 239–249).

Hassane SOS., Satrani B., Ghanmi M., Mansouri N., Mohamed H., Chaouch A. — Activité antimicrobienne et composition chimique de l'huile essentielle de *Plectranthus aromaticus* Roxb. de l'Ile de la Grande Comore, (Pag. 251–258).

Rejeb Gharbi F., Benarif T. — Opportunité économique de l'introduction de grignons d'olive dans l'alimentation des animaux en Tunisie, (Pag. 259–270).

Kaboré WTT., Hien E., Zombré P., Coulibaly A., Houot S., Masse D. — Valorisation de substrats organiques divers dans l'agriculture péri-urbaine de Ouagadougou (Burkina Faso) pour l'amendement et la fertilisation des sols : acteurs et pratiques, (Pag. 271-286).

INICIO

CIENCIA RURAL. Vol. 41(6). 2011

Bogo, Amauri; Casa, Ricardo Trezzi; Rufato, Leo; et al. Ethylene inhibitor aminoethoxyvinilglycine on glomerella leaf spot in apple cultivar 'Royal Gala' (Pag. 925-930)

Nagamoto, Nilson Satoru; Barbieri, Rafael Forti; Forti, Luiz Carlos; et al. Attractiveness of copperleaf-based bait to leaf-cutting ants (Pag. 931-934)

Lopes, Everaldo Antônio; Ferraz, Silamar; Ferreira, Paulo Afonso; et al. Soil amendment with chopped or ground dry leaves of six species of plants for the control of Meloidogyne javanica in tomato under greenhouse conditions (Pag. 935-938)

Rocha, Luiz Carlos Dias; Carvalho, Geraldo Andrade; Moscardini, Valéria Fonseca; Rezende, Denise Tourino. Selectivity of insecticides used in the coffee crop to larvae of Cryptolaemus montrouzieri Mulsant (Pag. 939-946)

Candido, Liliam Silvia; Andrade, João Antonio da Costa; Garcia, Fabiana Queiroz; et al. Selection of half sib progenies of Isanão VF-1 composite of maize in normal and late season crops (Pag. 947-953)

Martins, Juliano Dalcin; Radons, Sidinei Zwick; Streck, Nereu Augusto; et al. Plastochron and final node number of soybean cultivars as a function of sowing date (Pag. 954-959)

Teló, Gustavo Mack; Marchesan, Enio; Ferreira, Rafael Bruck; et al. Grain quality of irrigated rice harvested at different moisture contents depending on fungicide application (Pag. 960-966)

Sanches, Rafael Egea; Scapim, Carlos Alberto; Tessmann, Dauri José; et al. Genetic analysis of tropical rust resistance in popcorn lines (Pag. 967-971)

Souza, Velci Queiróz de; Caron, Braulio Otomar; Schmidt, Denise; et al. Resistance of arboreal species submitted to extreme frost in different agroforestry systems (Pag. 972-977)

Rodrigues, Adriana Paula D'Agostini Contreiras; Laura, Valdemir Antônio; Pereira, Silvia Rahe; Ferreira, Eleane; Freitas, Mirianny Elena de. Storing primed parsley seeds (Pag. 978-983)

Marques, Virna Braga; Moreira, Rodrigo Amato; Ramos, José Darlan; et al. Reproductive phenology of red pitaya in Lavras, MG, Brazil (Pag. 984-987)

Machado, Carla Gomes; Martins, Cibele Chalita; Santana, Denise Garcia de; et al. Suitability of electrical conductivity test for seeds of *Pisum sativum* subsp. Arvense (Pag. 988-995)

Castro, Ana Paula Gomes de; Faleiro, Fábio Gelape; Carvalho, Daniel Diego Costa; et al. Genetic variability of Passiflora spp. from commercial fields in the Federal District, Brazil (Pag. 996-1002)

Levien, Renato; Furlani, Carlos Eduardo Angeli; Gamero, Carlos Antônio; et al. No tillage of corn with two types of fertilizer furrow across and towards the slope of land surface (Pag. 1003-1010)

Hurtado, Sandro Manuel Carmelino; Resende, Álvaro Vilela de; Silva, Carlos Alberto; Corazza, Edemar Joaquim; Shiratsuchi, Luciano Shozo. Nitrogen top dressing for high yield corn based on the chlorophyll meter readings (Pag. 1011-1017)

Kihi, Paulo Roberto Peres; Pereira, Andréia Rodrigues Alonso; Godoy, Sara Mataroli de; et al. Chromosome stickiness during meiotic behavior analysis of Passiflora serrato-digitata L. (PassifloraCEAE) (Pag. 1018-1023)

INICIO

Oliveira, Daniel Capucho de; Borlini, Daniel Cometti; Santos, Warley Gomes dos; et al. Pulsed-wave tissue Doppler imaging of the myocardium of cats with induced thyrotoxicosis (Pag. 1024-1029)

Lima, Eduardo Maurício Mendes de; Santana, Marcelo Ismar Silva; Castro, Márcio Botelho de; et al. Quantification of connective tissue in cardiac muscle from horses used for traction using histochemical and morphometric techniques (Pag. 1030-1035)

Barbieri, Giuliano; Mazzer, Nilton; Moro, Carlos Alberto; et al. Development and performance of a flexible fixator on bone healing of transverse diaphyseal fracture caused iatrogenically in the sheep tibiae (Pag. 1036-1042)

Olsson, Débora Cristina; Pippi, Ney Luis; Raiser, Alceu Gaspar; et al. Colloidal fluorescence markers: concepts and applications (Pag. 1043-1050)

Santurio, Deise Flores; Costa, Mateus Matiuzzi da; Maboni, Grazieli; et al. Antimicrobial activity of spice essential oils against Escherichia coli strains isolated from poultry and cattle (Pag. 1051-1056)

Diagnosis of cryptosporidiosis in fecal samples of calves using direct immunofluorescence and phase contrast microscopy

Teixeira, Weslen Fabricio Pires; Coelho, William Marinho Dourado; Soutello, Ricardo Velludo Gomes de; et al. (Pag. 1057-1062)

Ferreira, Jair Camargo; Meira, Cezinande de. Potential use of doppler ultrasound in equine embryo transfer programs (Pag. 1063-1069)

Heterogeneity of variance components in milk production and their effects on estimates of heritability and repeatability

Tapia, Elmer Francisco Valencia; Ramos, Alcides de Amorim; Wechsler, Francisco Stefano; et al. (Pag. 1070-1075)

Freo, Janete Deliberali; Moraes, Lidiane Borges Dias de; Colussi, Rosana; et al. Technological and physical properties of wheat flour treated with diatomaceous earth (Pag. 1076-1081)

Hiane, Priscila Aiko; Silva, Valéria Cristina Ferreira; Ramos Filho, Manoel Mendes; Ramos, Maria Isabel Lima; Campos, Raquel Pires. Chemical characterization of fresh and frozen guariroba palm (Pag. 1082-1087)

Melo, Priscilla Siqueira; Bergamaschi, Keityane Boone; Tiveron, Ana Paula; et al. Phenolic composition and antioxidant activity of agroindustrial residues (Pag. 1088-1093)

Costa, Amauri Costa da; Antunes, Pedro Luiz; Rombaldi, César Valmor; Gularte, Márcia Arocha. Control of enzymatic browning and flesh firmness in fresh-cut peaches (Pag. 1094-1101)

Oaigen, Ricardo Pedroso; Barcellos, Júlio Otávio Jardim; Canozzi, Maria Eugênia Andriguetto; et al. Internal competitiveness in beef cattle activity in the State of Rio Grande do Sul (Pag. 1102-1107)

Rosa, Nadir Paula da; Révillion, Jean Philippe Palma. Strategic factors explored by dairy processing companies for their insertion in the soy-based beverage market (Pag. 1108-1113)

INICIO

CONSERVATION. Vol. 11(4). 2011

Journal Watch (Pag. 3-21)

Ant vs. elephant

Turtle tumors linked to nitrogen

Global carbon thought experiment

Wolves' reputation can't be bought

The green upside of music downloads

Porcupine farming backfires

Oceans awash in tiny plastic bits

A surprising case of coral resilience

Carbon accounting on the cheap

Features

John Carey. Bringing the Green Back (Pag. 10-17)

Eli Kintisch. Cementing the Future (Pag. 18-23)

Tom Clynes. Confronting Corruption (Pag. 24-35)

Solutions (Pag. 36-47)

Exit Strategies

In the funeral business, it's never too late to go green

Powerful Pee

Researchers want to generate hydrogen fuel from urine

Taking Solar to the Streets

Solar panels could replace asphalt and create electric superhighways

Coral Cryogenics

Scientists are freezing coral cells in hopes of seeding future reefs in more hospitable oceans

Swimming into the Wind

Wind turbines that mimic schooling fish maximize power generation

Raining Lethal Mice

Officials bomb Guam with drug-filled mice to kill invasive snakes

Think Again (Pag. 48)
It's the End of the World . . . and I Feel Fine
By Eric Wagner

INICIO

PHYTOPATHOLOGY. Vol. 101(7). 2011

Bas Verhagen, Patricia Trotel-Aziz, Philippe Jeandet, et al. Improved Resistance Against Botrytis cinerea by Grapevine-Associated Bacteria that Induce a Prime Oxidative Burst and Phytoalexin Production (Pag. 768-777)

Alexander V. Karasev, Xiaojun Hu, Celeste J. Brown, et al. Genetic Diversity of the Ordinary Strain of Potato virus Y (PVY) and Origin of Recombinant PVY Strains (Pag 778-785)

D. E. Partridge-Telenko, J. Hu, D. M. Livingstone, et al. Sclerotinia Blight Resistance in Virginia-Type Peanut Transformed with a Barley Oxalate Oxidase Gene (Pag. 786-793)

Michael E. Stanghellini and Iraj J. Misaghi. Olpidium bornovanus-Mediated Germination of Ascospores of Monosporascus cannonballus: A Host-Specific Rhizosphere Interaction (Pag. 794-796)

Brittney N. Reese, Gary A. Payne, Dahlia M. Nielsen, and Charles P. Woloshuk Gene Expression Profile and Response to Maize Kernels by Aspergillus flavus (Pag. 797-804)

Melanie N. Mitchell, Cynthia M. Ocamb, Niklaus J. Grünwald, et al. Genetic and Pathogenic Relatedness of Pseudoperonospora cubensis and P. humuli (Pag. 805-818)

Hari Sudini, Mark R. Liles, Covadonga R. Arias, et al. Exploring Soil Bacterial Communities in Different Peanut-Cropping Sequences Using Multiple Molecular Approaches (Pag. 819-827)

Michal Sharon, Stanley Freeman, and Baruch Sneh. Assessment of Resistance Pathways Induced in Arabidopsis thaliana by Hypovirulent Rhizoctonia spp. Isolates (Pag. 828-838)

Laura Wakefield, David M. Gadoury, Robert C. Seem, et al. Differential Gene Expression During Conidiation in the Grape Powdery Mildew Pathogen, Erysiphe necator (Pag. 839-846)

Carolee T. Bull, Christopher R. Clarke, Rongman Cai, et al. Multilocus Sequence Typing of *Pseudomonas syringae* Sensu Lato Confirms Previously Described Genomospecies and Permits Rapid Identification of *P. syringae* pv. *coriandricola* and *P. syringae* pv. *apii* Causing Bacterial Leaf Spot on Parsley (Pag. 847-858)

R. Huang, G. Q. Li, J. Zhang, et al. Control of Postharvest Botrytis Fruit Rot of Strawberry by Volatile Organic Compounds of *Candida intermedia* (Pag. 859-869)
J. A. Kolmer, M. E. Ordoñez, J. Manisterski, and Y. Anikster. Genetic Differentiation of *Puccinia triticina* Populations in the Middle East and Genetic Similarity with Populations in Central Asia (Pag. 870-877)

Andreas Westphal and Lijuan Xing. Soil Suppressiveness Against the Disease Complex of the Soybean Cyst Nematode and Sudden Death Syndrome of Soybean (Pag. 878-886)

O. Pruvost, C. Vernière, K. Vital, et al. Insertion Sequence- and Tandem Repeat-Based Genotyping Techniques for *Xanthomonas citri* pv. *Mangiferaeindicae* (Pag. 887-893)

H. H. Edwards and M. R. Bonde. Penetration and Establishment of *Phakopsora pachyrhizi* in Soybean Leaves as Observed by Transmission Electron Microscopy (Pag. 894-900)

INICIO

PLANT CELL Vol. 23(4). 2011

Nancy R. Hofmann. A Biophysical Model for Predicting Regulatory Interactions (Pag 1187)

Gregory Bertoni. Global Analysis of Copper Responsiveness in *Chlamydomonas* (Pag. 1188)

Nancy A. Eckardt. Fine-Tuning Photosynthesis: Structural Basis of Photoprotective Energy Dissipation (Pag. 1189)

Nancy A. Eckardt. Induction of Phytoalexin Biosynthesis: WRKY33 Is a Target of MAPK Signaling (Pag. 1190)

Widmar Tanner, Jan Malinsky, and Miroslava Opekarová. In Plant and Animal Cells, Detergent-Resistant Membranes Do Not Define Functional Membrane Rafts (Pag. 1191-1193)

William E. Friedman and Pamela K. Diggle. Charles Darwin and the Origins of Plant Evolutionary Developmental Biology (Pag 1194-1207)

Hen-ming Wu, Ora Hazak, Alice Y. Cheung, and Shaul Yalovsky. RAC/ROP GTPases and Auxin Signaling (Pag. 1208-1218)

Steven D. Clouse. Brassinosteroid Signal Transduction: From Receptor Kinase Activation to Transcriptional Networks Regulating Plant Development REVIEW (Pag. 1219-1230)

Melvin J. Oliver, Lining Guo, Danny C. Alexander, et al. A Sister Group Contrast Using Untargeted Global Metabolomic Analysis Delineates the Biochemical Regulation Underlying Desiccation Tolerance in *Sporobolus stapfianus* (Pag. 1231-1248)

Klaus F.X. Mayer, Mihaela Martis, Pete E. Hedley, et al. Unlocking the Barley Genome by Chromosomal and Comparative Genomics (Pag. 1249-1263)

Hadar Less, Ruthie Angelovici, Vered Tzin, and Gad Galili. Coordinated Gene Networks Regulating *Arabidopsis* Plant Metabolism in Response to Various Stresses and Nutritional Cues (Pag. 1264-1271)

Madeli Castruita, David Casero, Steven J. Karpowicz, et al. Systems Biology Approach in *Chlamydomonas* Reveals Connections between Copper Nutrition and Multiple Metabolic Steps (Pag. 1273-1292)

Edwige Moyroud, Eugenio Gómez Minguet, Felix Ott, et al. Prediction of Regulatory Interactions from Genome Sequences Using a Biophysical Model for the *Arabidopsis* LEAFY Transcription Factor (Pag. 1293-1306)

Renhou Wang, Maria C. Albani, Coral Vincent, et al. Aa *TFL1* Confers an Age-Dependent Response to Vernalization in Perennial *Arabis alpina* (Pag 1307-1321)

Laura Ragni, Kaisa Nieminen, David Pacheco-Villalobos, et al. Mobile Gibberellin Directly Stimulates *Arabidopsis* Hypocotyl Xylem Expansion (Pag. 1322-1336)

Eve-Marie Josse, Yinbo Gan, Jordi Bou-Torrent, et al. A DELLA in Disguise: SPATULA Restrains the Growth of the Developing *Arabidopsis* Seedling (Pag. 1337-1351)

Yu Luo, Genji Qin, Jun Zhang, et al. D-myo-Inositol-3-Phosphate Affects Phosphatidylinositol-Mediated Endomembrane Function in *Arabidopsis* and Is Essential for Auxin-Regulated Embryogenesis (Pag. 1352-1372)

Carsten Rautengarten, Berit Ebert, Thomas Herter, et al. The Interconversion of UDP-Arabinopyranose and UDP-Arabinofuranose Is Indispensable for Plant Development in *Arabidopsis* (Pag. 1373-1390)

Heike Reinhold, Sebastian Soyk, Klára Šimková, et al. β-Amylase-Like Proteins Function as Transcription Factors in *Arabidopsis*, Controlling Shoot Growth and Development (Pag. 1391-1403)

Jeongmoo Park, Nayoung Lee, Woohyun Kim, Soohwan Lim, and Giltsu Choi. ABI3 and PIL5 Collaboratively Activate the Expression of *SOMNUS* by Directly Binding to Its Promoter in Imbibed *Arabidopsis* Seeds (Pag. 1404-1415)

Xingwang Li, Xinqiang Gao, Yi Wei, et al. Rice APOPTOSIS INHIBITOR5 Coupled with Two DEAD-Box Adenosine 5'-Triphosphate-Dependent RNA Helicases Regulates Tapetum Degeneration (Pag. 1416-1434)

Toon Cools, Anelia Iantcheva, Annika K. Weimer, et al. The *Arabidopsis thaliana* Checkpoint Kinase WEE1 Protects against Premature Vascular Differentiation during Replication Stress (Pag. 1435-1448)

Neil D. Adhikari, John E. Froehlich, Deserah D. Strand, et al. GUN4-Porphyrin Complexes Bind the ChlH/GUN5 Subunit of Mg-Chelatase and Promote Chlorophyll Biosynthesis in *Arabidopsis* (Pag. 1449-1467)

INICIO

Matthew P. Johnson, Tomasz K. Goral, Christopher D.P. Duffy, et al. Photoprotective Energy Dissipation Involves the Reorganization of Photosystem II Light-Harvesting Complexes in the Grana Membranes of Spinach Chloroplasts (Pag. 1468-1479)

Hiroshi Yamamoto, Lianwei Peng, Yoichiro Fukao, and Toshiharu Shikanai. An Src Homology 3 Domain-Like Fold Protein Forms a Ferredoxin Binding Site for the Chloroplast NADH Dehydrogenase-Like Complex in *Arabidopsis* (Pag. 1480-1493)

Pablo Leivar, Meritxell Antolín-Llovera, Sergi Ferrero, et al. Multilevel Control of *Arabidopsis* 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase by Protein Phosphatase 2A (Pag. 1494-1511)

Jin-Ying Gou, Felipe F. Felippes, Chang-Jun Liu, et al. Negative Regulation of Anthocyanin Biosynthesis in *Arabidopsis* by a miR156-Targeted SPL Transcription Factor (Pag. 1512-1522)

Vincent Bayle, Jean-François Arrighi, Audrey Creff, et al. *Arabidopsis thaliana* High-Affinity Phosphate Transporters Exhibit Multiple Levels of Posttranslational Regulation (Pag. 1523-1535)

Jian Zhao, David Huhman, Gail Shadle, et al. MATE2 Mediates Vacuolar Sequestration of Flavonoid Glycosides and Glycoside Malonates in *Medicago truncatula* (Pag. 1536-1555)

Thomas Lingner, Amr R. Kataya, Gerardo E. Antonicelli, et al. Identification of Novel Plant Peroxisomal Targeting Signals by a Combination of Machine Learning Methods and in Vivo Subcellular Targeting Analyses (Pag. 1556-1572)

Shino Goto, Shoji Mano, Chihiro Nakamori, and Mikio Nishimura. *Arabidopsis ABERRANT PEROXISOME MORPHOLOGY9* Is a Peroxin That Recruits the PEX1-PEX6 Complex to Peroxisomes (Pag. 1573-1587)

Junho Lee, Hyunkyoung Lee, Jinho Kim, et al. Both the Hydrophobicity and a Positively Charged Region Flanking the C-Terminal Region of the Transmembrane Domain of Signal-Anchored Proteins Play Critical Roles in Determining Their Targeting Specificity to the Endoplasmic Reticulum or Endosymbiotic Organelles in *Arabidopsis* Cells (Pag. 1588-1607)

Ryo Matsushima, Lay Yin Tang, Lingang Zhang, et al. A Conserved, Mg²⁺-Dependent Exonuclease Degrades Organelle DNA during *Arabidopsis* Pollen Development (Pag. 1608-1624)

Xian-Bing Wang, Juan Jovel, Petchthai Udomporn, et al. The 21-Nucleotide, but Not 22-Nucleotide, Viral Secondary Small Interfering RNAs Direct Potent Antiviral Defense by Two Cooperative Argonautes in *Arabidopsis thaliana* (Pag. 1625-1638)

Guohong Mao, Xiangzong Meng, Yidong Liu, et al. Phosphorylation of a WRKY Transcription Factor by Two Pathogen-Responsive MAPKs Drives Phytoalexin Biosynthesis in *Arabidopsis* (Pag. 1639-1653)

Carmen de Sena-Tomás, Alfonso Fernández-Álvarez, William K. Holloman, and José Pérez-Martín. The DNA Damage Response Signaling Cascade Regulates Proliferation of the Phytopathogenic Fungus *Ustilago maydis* in Planta (Pag. 1654-1665)

Aude Le Bail, Bernard Billoud, Sophie Le Panse, et al. *ETOILE* Regulates Developmental Patterning in the Filamentous Brown Alga *Ectocarpus siliculosus* (Pag. 1666-1678)

INICIO

REVISTA DE LA FACULTAD DE CIENCIAS AGRARIAS. UNIVERSIDAD NACIONAL DE CUYO. Vol. 49(2). 2010

Eduardo Méndez. Variación estructural y hábitat de poblaciones de *Gymnocalycium schickendantzii* (Cactaceae) en Mendoza, Argentina Efecto de las plantas nurses (Pág. 1-11).

Esteban F. Sluka, Marina Susana Condorí, Elena Fernández de Rank, Osvaldo Arce, Susana del Valle Monserrat Tecnologías emergentes aplicadas a la conservación de porotos (*Phaseolus vulgaris* L.) (Pág. 13-21).

Sara Isabel Alonso, María Celia Nuciari, Irma Rosana Guma, Adriana van Olphen Flora de un área de la Sierra La Barrosa (Balcarce) y fenología de especies con potencial ornamental (Pág. 23-44).

Guillermo Alonso, Ángel Chiesa. Hortalizas mínimamente procesadas en los supermercados de Buenos Aires (Pág. 45-57).

Lidia Isabel Monzón, María Teresa Orozco, Carlos Manuel de Borbón. Trips (*Frankliniella brevicaulis* Hood) de las erupciones del fruto de banano (*Musa acuminata* Colla) en la provincia de Formosa, Argentina (Pág. 59-71).

Héctor G. Rosatto, Miriam Presutti, Guido Botta, et al. Modelos digitales de elevación generados por captura directa e indirecta de datos fuente: evaluación de su calidad (Pág. 73-84).

Elena Pisani, Giorgio Franceschetti. Evolución del pensamiento económico agrario: de los agronegocios a la nueva ruralidad (Pág. 85-108).

Luis Martí, Silvia Troilo, María Flavia Filippini, et al. Monitoreo de cadmio y plomo en los principales fungicidas cúpricos comercializados en Mendoza, Argentina (Pág. 109-116).

Pablo R. Gelati, Luis A. Lozano, Guillermo O. Sarli, et al. Influencia de la materia orgánica en la superficie específica de un Argiudol típico (Pág. 117-126).

J. Refugio Tobar-Reyes, Omar Franco-Mora, Edgar Jesús Morales-Rosales, Juan Guillermo Cruz-Castillo. Contenido de resveratrol en hojas de vides silvestres (*Vitis spp.*) mexicanas (Pág. 127-137).

INICIO