

# TABLAS DE CONTENIDO

## AGOSTO 1 AL 15 DE 2012

**BIOTECHNOLOGIE, AGRONOMIE SOCIETE ET ENVIRONNEMENT Vol. 16(2). 2012**

**JOURNAL OF ECONOMIC ENTOMOLOGY Vol. 105(3). 2012**

**PLANT CELL Vol. 24(4). 2012**

**PLANT PHYSIOLOGY Vol. 159(2). 2012**

**REVISTA CIENCIAS TECNICAS AGROPECUARIAS Vol.21(1). 2012**

**REVISTA DE BIOLOGÍA TROPICAL Vol. 60(2). 2012**

**SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Vol. 76(3). 2012**

**BIOTECHNOLOGIE, AGRONOMIE SOCIETE ET ENVIRONNEMENT Vol. 16(2). 2012**

Happi Emaga T., Rabetafika N., et al. Cinétique d'hydrolyse des chaînes de sucres neutres et d'acide galacturonique des polysaccharides du mucilage de graines de (Pag. 139-147)

Maizi N., Alioua A., Tahar A. Jumelage des bio-indicateurs et d'un réseau de surveillance de la qualité de l'air pour la détection de la pollution par le SO<sub>2</sub> dans la région de Annaba (Algérie), (Pag. 149-158)

Benhassaini H., Fetati A., Hocine AK., Belkhodja M. Effet du stress salin sur la croissance, l'accumulation de la proline et des sucres solubles sur des plantules porte-greffe de Pistacia atlantica Desf. subsp. Atlantica (Pag. 159-165)

Chintala R., McDonald LM., Bryan WB. Optimisation du potentiel hydrique et du niveau des éléments nutritifs des prairies à pâturin – trèfle blanc sur sols acides (Pag. 167-177)

Kouadio AL., Djaby B., et al. Cinétique de décroissance de la surface verte et estimation du rendement du blé d'hiver, (Pag. 179-191)

Dridi B., Zemmouri S. Fonctions de pédotransfert pour les vertisols de la plaine de la Mitidja (Algérie) : recherche de paramètres les plus pertinents pour la rétention en eau, (Pag. 193-201)

Barikissou E., Baudoin JP. Sauvetage d'embryons chez les légumineuses alimentaires en général et dans le genre Phaseolus en particulier (synthèse bibliographique), (Pag. 203-215)

Biwolé AB., Bourland N., et al. Définition du profil écologique de l'azobé, Lophira alata, une espèce ligneuse africaine de grande importance : synthèse bibliographique et perspectives pour des recherches futures, (Pag. 217-228)

Daïnou K., Doucet J.L., Sinsin B., Mahy G. Identité et écologie des espèces forestières commerciales d'Afrique centrale : le cas de *Milicia* spp. (synthèse bibliographique) (Pag. 229-241)

Escarnot E., Jacquemin J.M., Agneessens R., Paquot M. Etude comparative des teneurs et profils des macronutriments de l'épeautre et du blé (Pag. 243-256)

Henry G., Thonart P., Ongena M. PAMPs, MAMPs, DAMPs et autres : mise à jour de la diversité des éliciteurs de l'immunité des plantes (Pag. 257-268)

Razafimanantsoa T.M., Rajoelison G., et al. Les vers à soie endémiques de Madagascar : synthèse bibliographique de la biologie, des utilisations et des perspectives associées à *Borocera cajani* (Vinson, 1863) (Lepidoptera : Lasiocampidae) (Pag. 269-276)

## **INICIO**

### **JOURNAL OF ECONOMIC ENTOMOLOGY Vol. 105(3). 2012**

Li, Zhenyu; Zalucki, Myron P.; et al. Population Dynamics and "Outbreaks" of Diamondback Moth (Lepidoptera: Plutellidae) in Guangdong Province, China: Climate or Failure of Management? (Pag. 739-752)

McKenzie, Cindy L.; Bethke, James A.; et al. Distribution of *Bemisia tabaci* (Hemiptera: Aleyrodidae) Biotypes in North America After the Q Invasion (Pag. 753-766)

Tabashnik, Bruce E.; Gould, Fred. Delaying Corn Rootworm Resistance to Bt Corn (Pag. 767-776)

Adgaba, Nuru; Al-Ghamdi, Ahmad A.; et al. An Experiment on Comb Orientation by Honey Bees (Hymenoptera: Apidae) in Traditional Hives (Pag. 777-782)

Srinivasan, Rajagopalbabu; Hall, Darren G.; et al. Strain Specificity and Simultaneous Transmission of Closely Related Strains of a Potyvirus by *Myzus persicae* (Pag. 783-791)

Duan, Jian J.; Opper, Craig. Critical Rearing Parameters of *Tetrastichus planipennis* (Hymenoptera: Eulophidae) as Affected by Host Plant Substrate and Host-Parasitoid Group Structure (Pag. 792-801)

Murata, Mika; Htwe, Ah N.; et al. A Comparison of Artificial Diets for Mass Rearing *Brontispa longissima* (Coleoptera: Chrysomelidae) as Hosts for the Larval and the Pupal Parasitoids (Pag. 802-809)

Liu, Yong-Biao. Oxygenated Phosphine Fumigation for Control of *Nasonovia ribisnigri* (Homoptera: Aphididae) on Harvested Lettuce (Pag. 810-816)

Calcaterra, Luis A.; Coulin, Carolina; Briano, Juan A.; Follett, Peter A. Acute Exposure to Low-Dose Radiation Disrupts Reproduction and Shortens Survival of *Wasmannia auropunctata* (Hymenoptera: Formicidae) Queens (Pag. 817-822)

Aluja, Martín; Ordano, Mariano; et al. Understanding Long-Term Fruit Fly (Diptera: Tephritidae) Population Dynamics: Implications for Areawide Management (Pag. 823-836)

## **INICIO**

Graham, Elizabeth E.; Poland, Therese M.; et al. A Comparison of Trap Type and Height for Capturing Cerambycid Beetles (Coleoptera) (Pag. 837-846)

Huang, Ta-I; Toews, M. D. Feeding Preference and Movement of *Nezara viridula* and *Euschistus servus* (Hemiptera: Pentatomidae) on Individual Cotton Plants (Pag. 847-853)

Xie, Hai-Cui; Chen, Ju-Lian; et al. Impact of Wheat-Mung Bean Intercropping on English Grain Aphid (Hemiptera: Aphididae) Populations and Its Natural Enemy (Pag. 854-859)

Cooper, W. Rodney; Spurgeon, Dale W. Temperature Dependent Development of *Lygus hesperus* (Hemiptera: Miridae) Nymphs (Pag. 860-865)

Lefebvre, Maxime; Bostanian, Noubar J.; et al. Laboratory-Based Toxicological Assessments of New Insecticides on Mortality and Fecundity of *Neoseiulus fallacis* (Acari: Phytoseiidae) (Pag. 866-871)

Konopka, Joanna K.; Scott, Ian M.; McNeil, Jeremy N. Costs of Insecticide Resistance in *Cydia pomonella* (Lepidoptera: Tortricidae) (Pag. 872-877)

Nabity, P. D.; Orpet, R.; et al. Silica and Nitrogen Modulate Physical Defense Against Chewing Insect Herbivores in Bioenergy Crops *Miscanthus × giganteus* and *Panicum virgatum* (Poaceae) (Pag. 878-883)

Reisig, Dominic D.; Herbert, D. Ames; Malone, Sean. Impact of Neonicotinoid Seed Treatments on Thrips (Thysanoptera: Thripidae) and Soybean Yield in Virginia and North Carolina (Pag. 884-889)

Behrens, Nicholas S.; Zhu, Junwei; Coats, Joel R. Pan Trapping Soybean Aphids (Hemiptera: Aphididae) Using Attractants (Pag. 890-895)

Brewer, Michael J.; Anderson, Darwin J.; et al. Sampling Strategies for Square and Boll-Feeding Plant Bugs (Hemiptera: Miridae) Occurring on Cotton (Pag. 896-905)

Wong, Joseph C. H.; Mitchell, Robert F.; et al. Blending Synthetic Pheromones of Cerambycid Beetles to Develop Trap Lures That Simultaneously Attract Multiple Species (Pag. 906-915)

## **INICIO**

Rosenberg, O.; Almqvist, C.; Weslien, J. Systemic Insecticide and Gibberellin Reduced Cone Damage and Increased Flowering in a Spruce Seed Orchard (Pag. 916-922)

Allison, Jeremy D.; McKenney, Jessica L.; Miller, Daniel R.; Gimmel, Matthew L. Role of Ipsdienol, Ipsenol, and cis-Verbenol in Chemical Ecology of *Ips avulsus*, *Ips calligraphus*, and *Ips grandicollis* (Coleoptera: Curculionidae: Scolytinae) (Pag. 923-929)

Chu, Dong; Tao, Yun Li; Chi, Hsin. Influence of Plant Combinations on Population Characteristics of *Bemisia tabaci* Biotypes B and Q (Pag. 930-935)

Isaacs, Rufus; Mason, Keith S.; et al. Comparison of Three Dispenser Distribution Patterns for Pheromone Mating Disruption of *Paralobesia viteana* (Lepidoptera: Tortricidae) in Vineyards (Pag. 936-942)

Awondo, Sebastain N.; Fonsah, Esendugue G.; et al. Effectiveness of Tomato-Spotted Wilt Virus Management Tactics (Pag. 943-948)

Waterworth, Rebecca A.; Millar, Jocelyn G. Reproductive Biology of *Pseudococcus maritimus* (Hemiptera: Pseudococcidae) (Pag. 949-956)

Jones, Susan C.; Bryant, Joshua L. Ineffectiveness of Over-the-Counter Total-Release Foggers Against the Bed Bug (Heteroptera: Cimicidae) (Pag. 957-963)

Gulzar, Asim; Pickett, Brian; et al. Effect of Temperature on the Fitness of a Vip3A Resistant Population of *Heliothis virescens* (Lepidoptera: Noctuidae) (Pag. 964-970)

Gordon, Jennifer R.; Ottea, James. Association of Esterases With Insecticide Resistance in *Culex quinquefasciatus* (Diptera: Culicidae) (Pag. 971-978)

Lambkin, Trevor A.; Swain, Anthony J.; et al. Field Assessments of Control Agents for Lesser Mealworm (Coleoptera: Tenebrionidae) Using Litter Sampling (Pag. 979-987)

Lin, Yu-Ying; Jin, Tao; et al. Differential Susceptibilities of *Brontispa longissima* (Coleoptera: Hispididae) to Insecticides in Southeast Asia (Pag. 988-993)

Gassmann, Aaron J.; Hannon, Eugene R.; et al. Effects of Entomopathogenic Nematodes on Evolution of Pink Bollworm Resistance to *Bacillus thuringiensis* Toxin Cry1Ac (Pag. 994-1005)

## **INICIO**

Cifuentes, D.; Chynoweth, R.; et al. Novel Cytochrome P450 Genes, CYP6EB1 and CYP6EC1, Are Over-Expressed in Acrinathrin-Resistant *Frankliniella occidentalis* (Thysanoptera: Thripidae) (Pag. 1006-1018)

Wang, Xingliang; Wu, Yidong. High Levels of Resistance to Chlorantraniliprole Evolved in Field Populations of *Plutella xylostella* (Pag. 1019-1023)

Takeuchi, Hiroaki; Endo, Nobuyuki. Insecticide Susceptibility of *Nezara viridula* (Heteroptera: Pentatomidae) and Three Other Stink Bug Species Composing a Soybean Pest Complex in Japan (Pag. 1024-1033)

Zhang, Yue-E; Ma, Hui-Jing; et al. Induction of Detoxification Enzymes by Quercetin in the Silkworm (Pag. 1034-1042)

Matsuda, T.; Hinomoto, N.; et al. Molecular-Based Identification and Phylogeny of *Oligonychus* Species (Acari: Tetranychidae)  
pp. 1043-1050(8)

Gilchrist, A. S.; Cameron, E. C.; et al. Genetic Consequences of Domestication and Mass Rearing of Pest Fruit Fly *Bactrocera tryoni* (Diptera: Tephritidae) (Pag. 1051-1056)

Puterka, G. J.; Hammon, R. W.; et al. Cyclical Parthenogenetic Reproduction in the Russian Wheat Aphid (Hemiptera: Aphididae) in the United States: Sexual Reproduction and Its Outcome on Biotypic Diversity (Pag. 1057-1068)

Chamarthi, Siva K.; Vijay, Peter M.; et al. Constitutive and Inducible Resistance to *Atherigona soccata* (Diptera: Muscidae) in *Sorghum bicolor* (Pag. 1069-1076)

DePalma, Elijah; Jeske, Daniel R.; et al. Sequential Hypothesis Testing With Spatially Correlated Presence-Absence Data (Pag. 1077-1087)

Vassilakos, Thomas N.; Athanassiou, Christos G. Effect of Short Exposures to Spinetoram Against Three Stored-Product Beetle Species (Pag. 1088-1094)

Regmi, Homan; Kafle, Lekhnath; et al. Efficacy of Natural Products Against *Callosobruchus chinensis* (Coleoptera: Bruchidae) in Nepal (Pag. 1095-1099)

Yao, Me-Chi; Chang, Shu-Chen; et al. A SCAR-Based Method for Rapid Identification of Four Major Lepidopterous Stored-Product Pests (Pag. 1100-1106)

## **INICIO**

### **PLANT CELL Vol. 24(4). 2012**

Kathleen L. Farquharson. Plastids Do Not Form Interconnected Networks (Pag. 1303)

Nancy R. Hofmann. Augmin's Role in Microtubule Generation in Plants (Pag. 1304)

Gregory Bertoni. Oxylipins and Plant Palatability (Pag. 1305)

Aurora Levesley, Juliet Jopson, and Celia Knight. The Gatsby Plant Science Summer School: Inspiring the Next Generation of Plant Science Researchers (Pag. 1306-1315)

Jurgen Denecke, Fernando Aniento, et al. Secretory Pathway Research: The More Experimental Systems the Better (Pag. 1316-1326)

Louis-Philippe Hamel, Marie-Claude Nicole, et al. Mitogen-Activated Protein Kinase Signaling in Plant-Interacting Fungi: Distinct Messages from Conserved Messengers (Pag. 1327-1351)

Michael P. Pound, Andrew P. French, et al. CellSeT: Novel Software to Extract and Analyze Structured Networks of Plant Cells from Confocal Images (Pag. 1353-1361)

Song Li, Sona Pandey, et al. Gene-Sharing Networks Reveal Organizing Principles of Transcriptomes in Arabidopsis and Other Multicellular Organisms (Pag. 1362-1378)

Laurana Serres-Giardi, Khalid Belkhir, Jacques David, and Sylvain Glémin. Patterns and Evolution of Nucleotide Landscapes in Seed Plants (Pag. 1379-1397)

Pablo Leivar, James M. Tepperman, et al. Dynamic Antagonism between Phytochromes and PIF Family Basic Helix-Loop-Helix Factors Induces Selective Reciprocal Responses to Light and Shade in a Rapidly Responsive Transcriptional Network in Arabidopsis (Pag. 1398-1419)

Yuanxin Yan, Shawn Christensen, et al. Disruption of OPR7 and OPR8 Reveals the Versatile Functions of Jasmonic Acid in Maize Development and Defense (Pag. 1420-1436)

## **INICIO**

Juan Gao, Yan Zhu, et al. NAP1 Family Histone Chaperones Are Required for Somatic Homologous Recombination in Arabidopsis (Pag. 1437-1447)

Alexander Knoll, James D. Higgins, et al. The Fanconi Anemia Ortholog FANCM Ensures Ordered Homologous Recombination in Both Somatic and Meiotic Cells in Arabidopsis (Pag. 1448-1464)

Martin H. Schattat, Sarah Griffiths, et al. Differential Coloring Reveals That Plastids Do Not Form Networks for Exchanging Macromolecules (Pag. 1465-1477)

Yuki Nakaoka, Tomohiro Miki, et al. An Inducible RNA Interference System in Physcomitrella patens Reveals a Dominant Role of Augmin in Phragmoplast Microtubule Generation (Pag. 1478-1493)

Takashi Hotta, Zhaosheng Kong, et al. Characterization of the Arabidopsis Augmin Complex Uncovers Its Critical Function in the Assembly of the Acentrosomal Spindle and Phragmoplast Microtubule Arrays (Pag. 1494-1509)

Scott A.M. McAdam and Timothy J. Brodribb. Fern and Lycophyte Guard Cells Do Not Respond to Endogenous Abscisic Acid (Pag. 1510-1521)

Anuphon Laohavisit, Zhonglin Shang, et al. Arabidopsis Annexin1 Mediates the Radical-Activated Plasma Membrane Ca<sup>2+</sup>- and K<sup>+</sup>-Permeable Conductance in Root Cells (Pag. 1522-1533)

Kerstin Kirchsteiger, Julia Ferrández, et al. NADPH Thioredoxin Reductase C Is Localized in Plastids of Photosynthetic and Nonphotosynthetic Tissues and Is Involved in Lateral Root Formation in Arabidopsis (Pag. 1534-1548)

Sandra Witz, Benjamin Jung, Sarah Fürst, and Torsten Möhlmann. De Novo Pyrimidine Nucleotide Synthesis Mainly Occurs outside of Plastids, but a Previously Undiscovered Nucleobase Importer Provides Substrates for the Essential Salvage Pathway in Arabidopsis (Pag. 1549-1559)

Shiu-Cheung Lung and Simon D.X. Chuong. A Transit Peptide-Like Sorting Signal at the C Terminus Directs the Bienertia sinuspersici Preprotein Receptor Toc159 to the Chloroplast Outer Membrane (Pag. 1560-1578)

Aigen Fu, Huiying Liu, et al. Alternative Oxidases (AOX1a and AOX2) Can Functionally Substitute for Plastid Terminal Oxidase in Arabidopsis Chloroplasts (Pag. 1579-1595)

Michele E. Auldrige, Yongxia Guo, et al. Emergent Decarboxylase Activity and Attenuation of  $\alpha/\beta$ -Hydrolase Activity during the Evolution of Methylketone Biosynthesis in Tomato (Pag. 1596-1607)

David Cobessi, Renaud Dumas, et al. Biochemical and Structural Characterization of the Arabidopsis Bifunctional Enzyme Dethiobiotin Synthetase-Diaminopelargonic Acid Aminotransferase: Evidence for Substrate Channeling in Biotin Synthesis (Pag. 1608-1625)

## **INICIO**

Mohsen Hajheidari, Sara Farrona, et al. CDKF;1 and CDKD Protein Kinases Regulate Phosphorylation of Serine Residues in the C-Terminal Domain of Arabidopsis RNA Polymerase II (Pag. 1626-1642)

Vamsi J. Nalam, Jantana Keeretawee, Sujon Sarowar, and Jyoti Shah. Root-Derived Oxylipins Promote Green Peach Aphid Performance on Arabidopsis Foliage (Pag. 1643-1653)

Mihir Kumar Mandal, A.C. Chandra-Shekara, et al. Oleic Acid-Dependent Modulation of NITRIC OXIDE ASSOCIATED1 Protein Levels Regulates Nitric Oxide-Mediated Defense Signaling in Arabidopsis (Pag. 1654-1674)

Du Seok Choi, In Sun Hwang, and Byung Kook Hwang. Requirement of the Cytosolic Interaction between PATHOGENESIS-RELATED PROTEIN10 and LEUCINE-RICH REPEAT PROTEIN1 for Cell Death and Defense Signaling in Pepper (Pag. 1675-1690)

Griet Den Herder, Satoko Yoshida, et al. Lotus japonicus E3 Ligase SEVEN IN ABSENTIA4 Destabilizes the Symbiosis Receptor-Like Kinase SYMRK and Negatively Regulates Rhizobial Infection (Pag. 1691-1707)

## **INICIO**

### **PLANT PHYSIOLOGY Vol. 159(2). 2012**

Dale Shelton, Maria Stranne, et al. Transcription Factors of Lotus: Regulation of Isoflavonoid Biosynthesis Requires Coordinated Changes in Transcription Factor Activity (Pag. 531-547)

Kurt W. Heinrich, Jamison Wolfer, et al. DNA Millichips as a Low-Cost Platform for Gene Expression Analysis (Pag. 548-557)

Gustavo Gómez and Vicente Pallas. Studies on Subcellular Compartmentalization of Plant Pathogenic Noncoding RNAs Give New Insights into the Intracellular RNA-Traffic Mechanisms (Pag. 558-564)

Taiji Nomura, Shinjiro Ogita, and Yasuo Kato. A Novel Lactone-Forming Carboxylesterase: Molecular Identification of a Tuliposide A-Converting Enzyme in Tulip (Pag. 565-578)

Katharina Krech, Stephanie Ruf, et al. The Plastid Genome-Encoded Ycf4 Protein Functions as a Nonessential Assembly Factor for Photosystem I in Higher Plants (Pag. 579-591)

Kamel Chibani, Lionel Tarrago, et al. Atypical Thioredoxins in Poplar: The Glutathione-Dependent Thioredoxin-Like 2.1 Supports the Activity of Target Enzymes Possessing a Single Redox Active Cysteine (Pag. 592-605)

Simon von Berlepsch, Hans-Henning Kunz, et al. The Acyl-Acyl Carrier Protein Synthetase from Synechocystis sp. PCC 6803 Mediates Fatty Acid Import (Pag. 606-617)

Thu-Thuy T. Dang and Peter J. Facchini. Characterization of Three O-Methyltransferases Involved in Noscapine Biosynthesis in Opium Poppy (Pag. 618-631)

Koji Takahashi, Ken-ichiro Hayashi, and Toshinori Kinoshita. Auxin Activates the Plasma Membrane H<sup>+</sup>-ATPase by Phosphorylation during Hypocotyl Elongation in Arabidopsis (Pag. 632-641)

Misuk Cho, Zee-Won Lee, and Hyung-Taeg Cho. ATP-Binding Cassette B4, an Auxin-Efflux Transporter, Stably Associates with the Plasma Membrane and Shows Distinctive Intracellular Trafficking from That of PIN-FORMED Proteins (Pag. 642-654)

Sarah M. Wilson, Rachel A. Burton, et al. Pattern of Deposition of Cell Wall Polysaccharides and Transcript Abundance of Related Cell Wall Synthesis Genes during Differentiation in Barley Endosperm (Pag. 655-670)

## **INICIO**

Bingbing Li, Yanxia Zhao, et al. Purification and Characterization of ZmRIP1, a Novel Reductant-Inhibited Protein Tyrosine Phosphatase from Maize (Pag. 671-681)

Masaki Okumura, Shin-ichiro Inoue, et al. Characterization of the Plasma Membrane H<sup>+</sup>-ATPase in the Liverwort *Marchantia polymorpha* (Pag. 826-834)

Brenda P. Hall, Samina N. Shakeel, et al. Histidine Kinase Activity of the Ethylene Receptor ETR1 Facilitates the Ethylene Response in *Arabidopsis* (Pag. 682-695)

Hyungmin Roh, Cheol Woong Jeong, et al. Genetic Evidence for the Reduction of Brassinosteroid Levels by a BAHD Acyltransferase-Like Protein in *Arabidopsis* (Pag. 696-709)

Xiao-Min Wu, Yi Yu, et al. The Tobacco BLADE-ON-PETIOLE2 Gene Mediates Differentiation of the Corolla Abscission Zone by Controlling Longitudinal Cell Expansion (Pag. 835-850)

Ying-Zhi Xu, Roberto de la Rosa Santamaria, et al. The Chloroplast Triggers Developmental Reprogramming When MUTS HOMOLOG1 Is Suppressed in Plants (Pag. 710-720)

Zhonghui Tang, Liping Zhang, et al. Uncovering Small RNA-Mediated Responses to Cold Stress in a Wheat Thermosensitive Genic Male-Sterile Line by Deep Sequencing (Pag. 721-738)

Hannes Claeys, Aleksandra Skirycz, et al. DELLA Signaling Mediates Stress-Induced Cell Differentiation in *Arabidopsis* Leaves through Modulation of Anaphase-Promoting Complex/Cyclosome Activity (Pag. 739-747)

Chenggang Liu, Michael J. Axtell, and Nina V. Fedoroff. The Helicase and RNaseIIIa Domains of *Arabidopsis* Dicer-Like1 Modulate Catalytic Parameters during MicroRNA Biogenesis (Pag. 748-758)

Carol Moreau, Mike J. Ambrose, et al. The b Gene of Pea Encodes a Defective Flavonoid 3',5'-Hydroxylase, and Confers Pink Flower Color (Pag. 759-768)

Yasmín Zorrilla-Fontanesi, José-Luis Rambla, et al. Genetic Analysis of Strawberry Fruit Aroma and Identification of O-Methyltransferase FaOMT as the Locus Controlling Natural Variation in Methylfuran Content (Pag. 851-870)

Youngjoo Oh, Ian T. Baldwin, and Ivan Gális. NaJAZh Regulates a Subset of Defense Responses against Herbivores and Spontaneous Leaf Necrosis in *Nicotiana attenuata* Plants (Pag. 769-788)

Florian Walder, Helge Niemann, et al. Mycorrhizal Networks: Common Goods of Plants Shared under Unequal Terms of Trade (Pag. 789-797)

Nicolas Frei dit Frey, Malick Mbengue, et al. Plasma Membrane Calcium ATPases Are Important Components of Receptor-Mediated Signaling in Plant Immune Responses and Development (Pag. 798-809)



Yuan Cheng, Yuan Zhou, et al. Structural and Functional Analysis of VQ Motif-Containing Proteins in Arabidopsis as Interacting Proteins of WRKY Transcription Factors (Pag. 810-825)

## **INICIO**

### **REVISTA CIENCIAS TECNICAS AGROPECUARIAS Vol.21(1). 2012**

Cuauhtémoc Negrete, Jaime; Liles Tavares Machado, Antonio; Liles Tavares Machado, Roberto. Diseño de tractores agrícolas en México (Pag. 5-11)

Saldaña Robles, Alberto; Gutiérrez Vaca, Cesar; et al. Estudio de la eficiencia de troceado de Agavetequilana Weber empleando un molino con cuchillas articuladas (Pag. 12-18)

Herrera Prat, Mario Ignacio; García de la Figal Costales, Armando; et al. Simulación mediante la dinámica de fluidos por computadora del efecto de la velocidad del viento en el desempeño de los pulverizadores agrícolas de ventilador (Pag. 19-25)

Max González, Justo; Pérez Pupo, Rafael; Pérez Guerrero, Julio Nolberto. Evaluación del corte basal de la cosechadora C-4000 con cuchillas de tres filos (Pag. 26-30)

Betancourt Rodríguez, Yoel; Iglesias Coronel, Ciro; et al. Modificación del escarificador C 101 para la labranza primaria localizada de los suelos arcillosos pesados en caña de azúcar (Pag. 31-33)

Vázquez Milanéz, Hugo Berto; Parra Serrano, Luis Raúl; et al. Determinación de índices reales de consumo de combustible en el laboreo de un fluvisol en la Empresa de Cultivos Varios "Paquito Rosales Benítez" (Pag. 34-36)

Chaterlán, Yoima; Hernández, Geisy; et al. La estimación de los coeficientes de la cosecha de papaya por mejorar la dirección de agua de irrigación en el sur de La Habana (Pag. 37-42)

Pérez López, Yusimí; Moura do Amaral Sobrinho, Nelson; et al. Contenido de elementos metálicos en suelos característicos del municipio San José de las Lajas (Pag. 43-46)

Arcia, Javier; Pérez, Elier; Leiva, Aleida; López, Teresa. Contribución metodológica para la creación de zonas agrológicas como parte de un sistema de desarrollo agrícola para caña de azúcar (Pag. 47-52)

Díaz, Alexander; Iglesias, Ciro E. Bases teóricas para la fundamentación del proceso de extracción de jugo de caña de azúcar para la producción de panela (Pag. 53-57)

Herrera Villafranca, Magaly; Guerra Bustillos, Caridad W; et al. Diferentes métodos estadísticos para el análisis de variables discretas. Una aplicación en las ciencias agrícolas y técnicas (Pag. 58-62)

Nava, Fidel Diego; Herrera Suárez, Miguel; et al. Análisis resistivo de un nuevo arado de tracción animal mediante el Método de Elementos Finitos (MEF) (Pag. 63-67)

León Guerra, Reynolds. Aplicación de la realidad virtual no inmersiva para Ingenieros Agrícolas (Pag. 68-72)

Ramos González, Roberto; Cruz Sotomayor, Maritza; Navarro Rodríguez, Idaibel. Determinación del costo energético de la cosecha de forrajes para el ganado vacuno en Cuba (Pag. 73-78)

Fernández de Castro Fabre, Astrid; Shkiliova, Liudmila. Uso de un set de indicadores para medir el impacto en los proyectos de investigación de Ingeniería Agrícola de la Universidad Agraria de La Habana (Pag. 79-82)

## **INICIO**

### **REVISTA DE BIOLOGÍA TROPICAL Vol. 60(2). 2012**

Anabella Zuluaga-Montero & Alberto M. Sabat. Spatial variability in disease incidence and mortality in the sea fan *Gorgonia ventalina* in Puerto Rico (Pag. 517-526)

Carlos del Mónaco, Gerard Haiek, Samuel Narciso & Miguel Galindo. Massive bleaching of coral reefs induced by the 2010 ENSO, Puerto Cabello, Venezuela (Pag. 527-538)

Matthias Wolff, Anna Schuhbauer & Mauricio Castrejón. A revised strategy for the monitoring and management of the Galapagos sea cucumber *Isostichopus fuscus* (Aspidochirotida: Stichopodidae) (Pag. 539-551)

Lângia Montresor, Ana Teixeira, Adriano Paglia & Teofânia Vidigal. Reproductive parameters of *Omalonyx matheroni* (Gastropoda: Succineidae) under laboratory conditions (Pag. 553-566)

Ma. del Carmen Flores-Miranda, Antonio Luna-González, et al. Isolation and characterization of infectious *Vibrio sinaloensis* strains from the Pacific shrimp *Litopenaeus vannamei* (Decapoda: Penaeidae) (Pag. 567-576)

Gabriela Abrantes Jardim & Leandro Lourenço Dumas. A new species of the genus *Alterosa* (Trichoptera: Philopotaminae) from Southeastern Brazil (Pag. 577-580)

Ariadne do Nascimento Moura, Emanuel Cardoso do Nascimento & Ênio Wocylí Dantas. Temporal and spatial dynamics of phytoplankton near farm fish in eutrophic reservoir in Pernambuco, Brazil (Pag. 581-598)

Gabriel A. Villegas-Guzmán, Oscar F. Francke, Tila M. Pérez & Pedro Reyes-Castillo. Coadaptación entre los ácaros (Arachnida: Klinckowstroemiidae) y coleópteros Passalidae (Insecta: Coleoptera) (Pag. 599-609)

Melina Soledad Almada, María Ana Sosa & Alda González. Araneofauna (Arachnida: Araneae) en cultivos de algodón (*Gossypium hirsutum*) transgénicos y convencionales en el Norte de Santa Fe, Argentina (Pag. 611-623)

Francinaldo S. Silva. Orchid bee (Hymenoptera: Apidae) community from a gallery forest in the Brazilian Cerrado (Pag. 625-633)

Luis Alejandro Ariza A., José Gregorio Núñez P., et al. Biodiversidad íctica de praderas de pasto marino de la costa noroeste del Golfo de Cariaco, Venezuela (Pag. 635-648)

Emelio Barjau, Jesús Rodríguez, et al. Estructura temporal y espacial de la comunidad de peces arrecifales de la Isla San José, Golfo de California, México (Pag. 649-667)

## **INICIO**

Humberto Mejía-Mojica, Felipe de Jesús Rodríguez-Romero & Edmundo Díaz-Pardo. Recurrencia histórica de peces invasores en la Reserva de la Biósfera Sierra de Huautla, México (Pag. 669-681)

Jessica Jaxion-Harm, James Saunders & Martin R. Speight. Distribution of fish in seagrass, mangroves and coral reefs: life-stage dependent habitat use in Honduras (Pag. 683-698)

Elcio Barili, Rosemara Fugi, et al. Impoundment effects in the population of *Auchenipterus osteomystax* (Siluriformes: Auchenipteridae): a Neotropical reservoir case (Pag. 699-708)

Salvador Ruiz-Ramírez, Gabriela Lucano-Ramírez, et al. Biología reproductiva de *Anisotremus interruptus* (Perciformes: Haemulidae) en el Pacífico central mexicano (Pag. 709-720)

José Luís Costa Novaes & Edmir Daniel Carvalho. Reproduction, food dynamics and exploitation level of *Oreochromis niloticus* (Perciformes: Cichlidae) from artisanal fisheries in Barra Bonita Reservoir, Brazil (Pag. 721-734)

César Peñaherrera, Alex R. Hearn & Angela Kuhn. Diel use of a saltwater creek by white-tip reef sharks *Triaenodon obesus* (Carcharhiniformes: Carcharhinidae) in Academy Bay, Galapagos Islands (Pag. 735-743)

Vicente Vera & Joaquín Buitrago. Actividad reproductiva de *Chelonia mydas* (Testudines: Cheloniidae) en Isla de Aves, Venezuela (2001-2008) (Pag. 745-758)

María del Rosario Ingaramo, Eduardo Gabriel Etchepare, et al. Riqueza y composición de la fauna de anuros en la región oriental de la Reserva Natural Provincial Esteros del Iberá, Corrientes, Argentina (Pag. 759-769)

Clarisa Bionda, Noemi Gari, et al. Ecología trófica en larvas de *Rhinella arenarum* (Anura: Bufonidae) en agroecosistemas y sus posibles implicaciones para la conservación (Pag. 771-779)

Iván Lira-Torres, Carlos Galindo-Leal & Miguel Briones-Salas. Mamíferos de la Selva Zoque, México: riqueza, uso y conservación (Pag. 781-797)

Carmen Niehaus, Idalia Valerio, et al. Infecciones parasitarias del coyote, *Canis latrans* (Carnivora: Canidae) en un Parque Nacional y una zona agrícola en Costa Rica (Pag. 799-808)

Jorge Rodríguez-Matamoros, Federico Villalobos-Brenes & Gustavo A. Gutiérrez-Espeleta. Viabilidad poblacional de *Alouatta palliata* (Primates: Atelidae) y *Cebus capucinus* (Primates: Cebidae) en el Refugio de Vida Silvestre Privado Nogal, Sarapiquí, Heredia, Costa Rica (Pag. 809-832)

Ana C. Scorsetti, Lorena A. Elíades, et al. Pathogenic and enzyme activities of the entomopathogenic fungus *Tolypocladium cylindrosporum* (Ascomycota: Hypocreales) from Tierra del Fuego, Argentina (Pag. 833-841)

Edier Soto Medina, Robert Lücking & Ana Bolaños Rojas. Especificidad de forófito y preferencias microambientales de los líquenes cortícolas en el bosque premontano de la finca Zíngara, Cali, Colombia (Pag. 843-856)

Alicia E. Martinez, Viviana Chiocchio, et al. Mycorrhizal association in gametophytes and sporophytes of the fern *Pteris vittata* L. (Pteridaceae) with *Glomus intraradices* (Pag. 857-865)

Julissa Rojas-Sandoval & Elvia Meléndez-Ackerman. Factors affecting establishment success of the endangered Caribbean cactus *Harrisia portoricensis* (Cactaceae) (Pag. 867-879)

Misael Chinchilla, Idalia Valerio, et al. In vitro antimalarial activity of extracts of some plants from a biological reserve in Costa Rica (Pag. 881-891)

Carlos De Gracia, Aaron O'Dea, Félix Rodríguez & Luis D'Croz. Respuesta ambiental en el Pacífico frente a la subducción de la dorsal asísmica de Cocos (Panamá y Costa Rica) (Pag. 893-908)

Rashmi Ranjan Mishra, Manas Ranjan Swain, et al. Diversity and seasonal fluctuation of predominant microbial communities in Bhitarkanika, a tropical mangrove ecosystem in India (Pag. 909-924)

Aliny Oliveira Barcelos, Clayton Perônico & Frederico Jacob Eutrópio. Color and odor of artificial fruit used to signal potential dispersers in the Atlantic forest in Brazil (Pag. 925-931)

Victor P. Zwiener, Jochen H. Bihn & Márcia C. M. Marques. Ant-diaspore interactions during secondary succession in the Atlantic forest of Brazil (Pag. 931-942)

Jesús Oswaldo Velásquez Restrepo, Nancy Lorena Maniguaje & Álvaro Javier Duque. Diversidad y dinámica de un bosque subandino de altitud en la región norte de los Andes colombianos (Pag. 943-952)

## **INICIO**

### **SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Vol. 76(3). 2012**

G. A. Peterson, D. J. Lyon and C. R. Fenster. Valuing Long-Term Field Experiments: Quantifying the Scientific Contribution of a Long-Term Tillage Experiment (Pag. 757-765)

Daniel deB Richter and Dan H. Yaalon. "The Changing Model of Soil" Revisited (Pag. 766-778)

Gregory Communar and Shmulik P. Friedman. Generalized Coupled Source-Sink Model for Evaluating Transient Water Uptake in Trickle Irrigation: I. Model Formulation for Soils with Vertical Heterogeneity (Pag. 779-790)

Gregory Communar and Shmulik P. Friedman. Generalized Coupled Source-Sink Model for Evaluating Transient Water Uptake in Trickle Irrigation: II. Irrigation Scheduling Scenarios (Pag. 791-805)

Scott Gould, Pathmanathan Rajeev, et al. A New Method for Developing Equations Applied to the Water Retention Curve (Pag. 806-814)

Wenquan Niu, Qing Guo, Xiaobo Zhou and Matthew J. Helmers. Effect of Aeration and Soil Water Redistribution on the Air Permeability under Subsurface Drip Irrigation (Pag. 815-820)

A. K. Verma and T. J. Kelleners. Depthwise Carbon Dioxide Production and Transport in a Rangeland Soil (Pag. 821-828)

Feng Pan, Yakov Pachepsky, et al. Data Assimilation with Soil Water Content Sensors and Pedotransfer Functions in Soil Water Flow Modeling (Pag. 829-844)

Muhammad Naveed, Shoichiro Hamamoto, et al. Gas Dispersion in Granular Porous Media under Air-Dry and Wet Conditions (Pag. 845-852)

Zhiqun Lu and G. V. Wilson. Acoustic Measurements of Soil Pipeflow and Internal Erosion (Pag. 853-866)

Jianbin Lai, Yi Luo and Li Ren. Numerical Evaluation of Depth Effects of Double-Ring Infiltrimeters on Soil Saturated Hydraulic Conductivity Measurements (Pag. 867-875)

Zhang Xiao, Sen Lu, et al. Measuring Subsurface Soil-Water Evaporation with an Improved Heat-Pulse Probe (Pag. 876-879)

## **INICIO**

Gianluca Simonetti, Ornella Francioso, et al. Characterization of Humic Carbon in Soil Aggregates in a Long-term Experiment with Manure and Mineral Fertilization (Pag. 880-890)

Geert Cornelis, Casey DooletteMadeleine Thomas, et al. Retention and Dissolution of Engineered Silver Nanoparticles in Natural Soils (Pag. 891-902)

Toby D. Hooker and John M. Stark. Carbon Flow from Plant Detritus and Soil Organic Matter to Microbes—Linking Carbon and Nitrogen Cycling in Semiarid Soils (Pag. 903-914)

Sadikshya R. Dangi, Peter D. Stahl, et al. Soil Microbial Community Recovery in Reclaimed Soils on a Surface Coal Mine Site (Pag. 915-924)

Judith Nyiraneza, Noura Ziadi, et al. Prediction of Soil Nitrogen Supply in Corn Production using Soil Chemical and Biological Indices (Pag. 925-935)

Jacynthe Dessureault-Rompré, Bernie J. Zebarth, et al. Prediction of Soil Nitrogen Supply in Potato Fields using Soil Temperature and Water Content Information (Pag. 936-949)

Martha González-Pérez, P. Buurman, P. Vidal-Torrado and L. Martin-Neto. Pyrolysis-Gas Chromatography/Mass Spectrometry Characterization of Humic Acids in Coastal Spodosols from Southeastern Brazil (Pag. 961-971)

M. Kate Steele and Jacqueline A. Aitkenhead-Peterson. Urban Soils of Texas: Relating Irrigation Sodicity to Water-Extractable Carbon and Nutrients (Pag. 972-982)

Patrick R. Nash, Peter P. Motavalli and Kelly A. Nelson. Nitrous Oxide Emissions from Claypan Soils Due to Nitrogen Fertilizer Source and Tillage/Fertilizer Placement Practices (Pag. 983-993)

M. M. Anders\*, K. R. Brye, Dan C. Olk and Bryan T. Schmid. Rice Rotation and Tillage Effects on Soil Aggregation and Aggregate Carbon and Nitrogen Dynamics doi:10.2136/sssaj2010.0436 (Pag. 994-1004)

Rodrick D. Lentz and Gary A. Lehrs. Net Nitrogen Mineralization from Past Years' Manure and Fertilizer Applications (Pag. 1005-1015)

A. J. Franzluebbers, D. M. Endale, J. S. Buyer and J. A. Stuedemann. Tall Fescue Management in the Piedmont: Sequestration of Soil Organic Carbon and Total Nitrogen (Pag. 1016-1026)

Jarrold Miller, Christopher Barton, et al. Evaluating Soil Genesis and Reforestation Success on a Surface Coal Mine in Appalachia (Pag. 950-960)

Melanie A. Mayes, Katherine R. Heal, et al. Relation between Soil Order and Sorption of Dissolved Organic Carbon in Temperate Subsoils (Pag. 1027-1037)

Urszula Norton, Peter Saetre, Toby D. Hooker and John M. Stark. Vegetation and Moisture Controls on Soil Carbon Mineralization in Semiarid Environments (Pag. 1038-1047)

Florent Tivet, João Carlos de Moraes Sá, et al. Soil Carbon Inventory by Wet Oxidation and Dry Combustion Methods: Effects of Land Use, Soil Texture Gradients, and Sampling Depth on the Linear Model of C-Equivalent Correction Factor (Pag. 1048-1059)

K. F. Bronson, T. A. Wheeler, et al. Use of Nitrogen Calibration Ramps and Canopy Reflectance on Farmers' Irrigated Cotton Fields (Pag. 1060-1067)

Xu Zhao, Yang Zhou, et al. Nitrogen Balance in a Highly Fertilized Rice-Wheat Double-Cropping System in Southern China (Pag. 1068-1078)

Bhupinder S. Farmaha, Fabián G. Fernández and Emerson D. Nafziger. Distribution of Soybean Roots, Soil Water, Phosphorus and Potassium Concentrations with Broadcast and Subsurface-Band Fertilization (Pag. 1079-1089)

Fabián G. Fernández and Daniel Schaefer. Assessment of Soil Phosphorus and Potassium following Real Time Kinematic-Guided Broadcast and Deep-Band Placement in Strip-Till and No-Till (Pag. 1090-1099)

Daniel R. Hirmas, Brian F. Platt and Stephen T Hasiotis. Determination of Calcite and Dolomite Content in Soils and Paleosols by Continuous Coulometric Titration (Pag. 1100-1106)

Filip Kral, Ron Corstanje, John R. White and Fabio Veronesi. A Geostatistical Analysis of Soil Properties in the Davis Pond Mississippi Freshwater Diversion (Pag. 1107-1118)

**INICIO**