

Table of Contents

Volume 8 Number 6

May 2017

DNA Markers for Selection of Late Blight Resistant Potato Breeding Lines

S. H. Chen, T. Borza, B. Byun, R. Coffin, J. Coffin, R. Peters, G. Wang-Pruski.....1197

Morphological Characterization in Wild Species of *Heliconias* (*Heliconia* spp) in Mexico

C. H. Avendaño-Arrazate, J. A. Arrazate-Argueta, S. Ortíz-Curiel, E. Moreno-Pérez,

L. Iracheta-Donjuan, D. Reyes-López, M. Grajales-Solís, M. Martínez-Bolaños, M. Cortés-Cruz.....1210

Impact of Entomopathogenic Fungi on the Growth, Development, and Health of Cabbage Growing under Water Stress

S. K. Dara, S. S. R. Dara, S. S. Dara.....1224

Four New Species and Additional Distributions of *Elaphoglossum* Section *Elaphoglossum* (Dryopteridaceae) from the Neotropics

A. F. Rojas-Alvarado.....1234

Maize Development: Cell Wall Changes in Leaves and Sheaths

R. D. Hatfield, J. M. Marita.....1248

Geographical Variation, Distribution and Diversity of *Rice Yellow Mottle Virus* Phylotypes in Tanzania

J. Hubert, H. J. F. Lyimo, A. Luzi-Kihupi.....1264

Seed Biology of *Berberis manipurana* Ahrendt: A Threatened Natural Dye Yielding Plant

C. R. Deb, T. L. Sangtam, N. S. Jamir.....1285

Initial Growth of Eucalyptus with Different Spatial Arrangements in Agrosilvopastoral Systems

M. A. Clemente, M. V. de Faria, R. M. Q. Lana, J. G. Mageste, C. J. B. Albuquerque.....1296

Emergence and Seedling Characteristics of Maize Native to the Southwestern US

J. M. Boussetot, D. Muenchrath, A. D. Knapp, J. D. Reeder.....1304

Studying on Tyrosinase Inhibition Activity of Some Vietnamese Folk Plants Aims to Use in Skin-Whitening Cosmetics

N. T. M. Hanh, N. K. P. Phung, Q. N. D. Phuong.....1319

Three New Species of Ferns (Pteridophyta) from Mesoamerica

A. F. Rojas-Alvarado.....1329

Significance of Chemical Priming on Yield and Yield Components of Wheat under Drought Stress

A. Sher, A. Khan, S. Hussain, L. J. Cai, M. I. Ahmad, S. A. Jamro, A. Rashid.....1339

Developing Stable Cultivar through Microspore Mutagenesis in \times *Brassicoraphanus koranhort*, Inter-Generic Allopolyploid between *Brassica rapa* and *Raphanus sativus*

S.-S. Lee, B. H. Hwang, T. Y. Kim, J. Yang, N. R. Han, J. Kim, H. H. Kim, H. R. Belandres.....1345

Nitrogen Management of Diverse Sunflower (*Helianthus annuus* L.) Hybrids Production under Agro-Climatic Conditions of Sargodha, Pakistan

M. I. Ahmad, A. Ali, A. Khan, A. Sher, A. Rashid, S. A. Jamro, S. ur-Rahman, S. Ahmad.....1357

Structure of Isolated *Acer grandidentatum* (Bigtooth Maple) Communities and Potential Population Changes

O. W. V. Auken, D. L. Taylor, C.-C. Shen, J. K. Bush.....1368

Distribution Prediction Model of a Rare Orchid Species (*Vanda bicolor* Griff.) Using Small Sample Size

C. R. Deb, N. S. Jamir, Z. P. Kikon.....1388

Cadmium Effects on Enzymes of Ammonia Assimilation in Excised Etiolated Maize Leaf Segments during Greening: A Mechanistic Approach

J. Sarangthem, S. Dhamgaye, R. Gadre.....1399

A Demographic Structure of Populations of *Salvia Lilacinocoerulea* Nevski, a Rare Species Endemic to the Western Pamir-Alay (Uzbekistan, Turkmenistan)

H. F. Shomurodov, U. E. Khuzhanazarov, N. Yu Beshko, B. Akhmadaliev, V. K. Sharipova.....1411

Essential Oils from *Mentha viridis* (L.) L. and *Mentha pulegium* L.: Cytogenotoxic Effects on Human Cells

L. F. Silva, M. das Graças Cardoso, P. S. C. Preté, M. L. Teixeira, D. L. Nelson, M. L. Magalhães, V. R. F. Ferreira, R. V. Souza, L. I. Soares, S. Marcussi.....1423

Direct and Indirect Effect of Bt Cotton and No Bt Cotton on the Development and Reproduction of the Predator *Podisus nigrispinus* (Dallas, 1851) (Hemiptera: Pentatomidae)

A. G. Santana, C. J. Ávila, H. N. de Oliveira, P. P. Bellon, E. C. Schlick-Souza.....1438

Energy Values of Registered Corn Forage Hybrids in France over the Last 20 Years Rose in a Context of Maintained Yield Increase

A. Baldy, M.-P. Jacquemot, Y. Griveau, C. Bauland, M. Reymond, V. Mechin.....1449

Pharmacognostic and Phytochemical Studies of *Smilax domingensis* Willd. in Cuba

J. G. Yaque, M. Monan, A. Cuéllar, T. de Armas, E. Gómez, E. Dopico.....1462

**Relationships between Species of Dyestuff Precursor and Dyeability in Hair
Colouring Made by Enzymatic Oxidation Technique Using Bio-Catechols**

T. Matsubara, C. Seki, H. Yasunaga.....1471

Diversity of Flowering Plants in Nubri Valley, Manaslu Conservation Area, Central Nepal

S. Sapkota, B. Pandey, K. K. Shrestha.....1484

Morphological Characterization of *Amaranthus palmeri* x *A. spinosus* Hybrids

W. T. Molin, V. K. Nandula.....1499