

Table of Contents

Volume 5 Number 24

November 2014

Advances in *D. melanoxylon* Investigations towards Tissue Culture: Problems and Limitations

W. B. Washa, A. M. S. Nyomora.....3501

Effect of Using Two Different Types of Carbon Nanotubes for Blackberry (*Rubus adenotrichos*) in Vitro Plant Rooting, Growth and Histology

D. Flores, R. Chacón, L. Alvarado, A. Schmidt, C. Alvarado, J. Chaves.....3510

Isolation and Structural Characterization of a New Minor Penta β -D-Glucopyranosyl Diterpene from *Stevia rebaudiana* Bertoni

V. S. P. Chaturvedula.....3519

Changes in Plant Species during Succession in a Sago Forest

Y. Kumekawa, M. Kilmaskossu, M. Mori, A. Miyazaki, K. Ito,
R. Arakawa, T. Fukuda, H. Matanubun, Y. Yamamoto.....3526

Hormones Regulate in Vitro Organ Regeneration from Leaf-Derived Explants in *Arabidopsis*

X. Y. Zhao, G. T. Liang, X. G. Li, X. S. Zhang.....3535

Chemical Composition and Allelopathic Activity of the Essential Oil from *Callistemon viminalis* (Myrtaceae) Blossoms on Lettuce (*Lactuca sativa* L.) Seedlings

C. M. de Oliveira, M. das Graças Cardoso, A. C. da Silva Figueiredo, M. L. M. de Carvalho,
C. A. S. F. de Miranda, L. R. M. Albuquerque, D. L. Nelson, M. de Souza Gomes,
L. F. Silva, J. de Andrade Santiago, M. L. Teixeira, R. M. Brandão.....3551

Gene Expression Changes and Signal Transduction Pathway Alterations in Primary Human Oral Epithelial Cells Exposed to Smokeless Tobacco Extracts

R. Rajapakse, A. Basu, S. Shahid, M. P. Timko.....3558

Hydrogen Peroxide Alleviates Hypoxia during Imbibition and Germination of Bean Seeds (*Phaseolus vulgaris* L.)

C. B. Rajasheka, K.-H. Baek.....3572

Glyphosate Effects on Sugarcane Metabolism and Growth

C. A. Carbonari, G. L. G. C. Gomes, E. D. Velini, R. F. Machado, P. S. Simões, G. de Castro Macedo.....3585

Agronomic Performance of Peach Trees Grown in Subtropical Region

D. M. Segantini, S. Leonel, A. de Castro Correia da Silva, R. A. Ferraz, A. K. da Silva Ripardo.....3594

Identification of a Highly Expressed 3-Hydroxy-3-Methylglutaryl-CoA Reductase Gene in the Root Tissue of *Taraxacum kok-saghyz*

G. Ponciano, G. Q. Chen.....3603

Arsenic Induced Changes in Growth and Physiological Responses in *Vigna radiata* Seedling: Effect of Curcumin Interaction

H. Upadhyaya, S. Shome, D. Roy, M. K. Bhattacharya.....3609

Cloning, Expression Pattern Analysis and Subcellular Localization of Resveratrol Synthase Gene in Peanut (*Arachis hypogaea* L.)

F. H. Zhu, J. L. Han, S. M. Liu, X. P. Chen, R. K. Varshney, X. Q. Liang.....3619

The Effect of UV Light and CO₂ in the Production of Polyunsaturated Aldehydes in *Skeletonema costatum* (Bacillariophyceae)

L. F. C. da Motta Pacheco, E. Uribe, J. Pino, J. Troncoso, A. Quiróz.....3632

Estimation of the Probability of Long-Distance Dispersal: Stratified Diffusion of *Spartina alterniflora* in the Yangtze River Estuary

W. Yang, Q. Wang, X. Y. Pan, B. Li.....3642

Characterization of an Epiphytic Bacterium *Neptunomonas* sp. BPy-1 on the Gametophytes of a Red Alga *Pyropia yezoensis*

M. Handayani, H. Sasaki, R. Matsuda, K. Takechi, H. Takano, S. Takio.....3652

Cytokinin, Carbon Source, and Acclimatization Requirements for *in Vitro* Propagation of *Scutellaria barbata* D. Don and *Scutellaria racemosa* Pers.

T. A. Brearley, B. N. Vaidya, N. Joshee.....3662

Comparative Analysis of Three Torbangun Clones (*Plectranthus amboinicus* (Lour.) Spreng) Based on Phenotypic Characteristics and Phenolic Content

N. Andarwulan, N. D. Yuliana, E. Hasna, S. A. Aziz, T. D. Davis.....3673

Potato Seed Supply, Marketing and Production Constraints in Eritrea

M. G. Biniam, S. M. Githiri, M. Tadesse, R. W. Kasili.....3684