

Table of Contents

Volume 5 Number 5

March 2014

| | |
|---|-----|
| Effects of Rising Temperature on Secondary Compounds of Yeheb (<i>Cordeauxia edulis</i> Hemsley) | |
| M. C. Egigu, M. A. Ibrahim, J. Riikonen, A. Yahya, T. Holopainen, R. Julkunen-Tiitto, J. K. Holopainen..... | 517 |
| Development of a Genetic Transformation Method for Seabuckthorn (<i>Hippophae rhamnoides</i> L.) | |
| S. Sriskandarajah, D. Clapham, P.-O. Lundquist..... | 528 |
| Seed Germination and Production of <i>Erythrina mulungu</i> and <i>Erythrina velutina</i> Plantlets | |
| A. M. S. Pereira, V. T. A. Souza, J. da Silva Coppede, S. de Castro França, B. W. Bertoni, A. V. V. de Souza..... | 535 |
| Effect of Foliar and Soil Application of Potassium Fertilizer on Soybean Seed Protein, Oil, Fatty Acids, and Minerals | |
| M. Pande, M. B. Goli, N. Bellaloui..... | 541 |
| Epiphytic Diatom Communities on Sub-Fossil Leaves of <i>Posidonia oceanica</i> Delile in the Graeco-Roman Harbor of <i>Neapolis</i>: A Tool to Explore the Past | |
| P. Cennamo, P. Caputo, M. De Stefano, E. R. Ermolli, M. R. B. Lumaga..... | 549 |
| RNAi-Mediated Resistance to Cucumber Mosaic Virus (CMV) in Genetically Engineered Tomato | |
| V. O. Ntui, K. Kong, P. Azadi, R. S. Khan, D. P. Chin, T. Igawa, M. Mii, I. Nakamura..... | 554 |
| Development of a Rapid and Efficient Liquid Chromatography Method for Determination of Gibberellin A4 in Plant Tissue, with Solid Phase Extraction for Purification and Quantification | |
| J. M. Macías, R. F. Pournavab, M. H. Reyes-Valdés, A. Benavides-Mendoza..... | 573 |
| Effects of Salinity on Germination, Seedling Growth and Ecological Properties of <i>Phragmites australis</i> Communities in the Estuary of the Chikugawa River, Southwestern Japan | |
| A. Haraguchi..... | 584 |
| Alpha-Tomatin against Witches' Broom Disease | |
| L. H. Gomes, K. M. R. Duarte, F. G. Andrino, G. A. Leal Jr., L. M. Garcia, A. Figueira, S. P. de Lira..... | 596 |
| Growth, Physiological and Molecular Responses of Cotton (<i>Gossypium arboreum</i> L.) under NaCl Stress | |
| S. Hassan, M. B. Sarwar, S. Sadique, B. Rashid, B. Aftab, B. B. Mohamed, T. Husnain..... | 605 |
| Effectiveness of Ringworm Cassia and Turmeric Plant Extracts on Growth Inhibition against Some Important Plant Pathogenic Fungi | |
| P. Wongkaew, W. Sinsiri..... | 615 |
| Structural Characteristics of Mulato Grass I under Different Cutting Heights | |
| L. A. Dutra, F. C. de Carvalho, E. R. Leite, M. J. D. Cândido, J. A. de Araújo Filho..... | 627 |

| | |
|--|-----|
| Fermentation Characteristics of Silage of Sugar Cane Treated with Calcium Oxide, <i>Lactobacillus buchneri</i> and Their Associations | |
| F. T. de Pádua, C. A. A. Fontes, J. C. C. Almeida, B. B. Deminicis, L. de Almeida Carlos, O. C. Neto, V. C. de Oliveira..... | 636 |
| Occurrence and Distribution of <i>Banana bunchy top virus</i> Related Agro-Ecosystem in South Western, Democratic Republic of Congo | |
| L. F. T. Mukwa, M. Muengula, I. Zinga, A. Kalonji, M. L. Iskra-Caruana, C. Bragard..... | 647 |
| Distribution Profiles and Interrelations of Stomatal Conductance, Transpiration Rate and Water Dynamics in Young Maize Laminas under Nitrogen Deprivation | |
| D. L. Bouranis, A. Dionias, S. N. Chorianopoulou, G. Liakopoulos, D. Nikolopoulos..... | 659 |
| Optimum Protocol for Shoot Formation in <i>karandaji</i> Red Sorghum (<i>Sorghum bicolor</i> (L.) Moench) through Somatic Embryogenesis Using Mature Embryo | |
| L. B. Hassan, I. S. Usman, M. D. Katung, S. M. Bugaje..... | 671 |
| Analysis of Genetic Diversity among Wild and Cultivated Chickpea Genotypes Employing ISSR and RAPD Markers | |
| P. K. Singh, H. Sharma, N. Srivastava, S. S. Bhagyawant..... | 676 |
| Accession × Treatment Interaction, Variability and Correlation Studies of Pepper (<i>Capsicum</i> spp.) under the Influence of Arbuscular Mycorrhiza Fungus (<i>Glomus clarum</i>) and Cow Dung | |
| O. J. Olawuyi, S. G. Jonathan, F. E. Babatunde, B. J. Babalola, O. O. S. Yaya, J. O. Agbolade, D. A. Aina, C. J. Egun..... | 683 |
| Interactive Effects of Elevated [CO₂] and Soil Water Stress on Leaf Morphological and Anatomical Characteristic of Paper Birch Populations | |
| A. Pyakurel, J. R. Wang..... | 691 |
| Abscisic Acid, One of the Key Determinants of <i>in Vitro</i> Shoot Differentiation from Cotyledons of <i>Vigna radiata</i> | |
| S. Ghosh, S. Sengupta, A. Pal..... | 704 |
| Depulping of Fruits and Soaking the Seeds Enhances the Seed Germination and Initial Growth Performance of <i>Terminalia bellerica</i> Roxb. Seedlings | |
| M. A. Hossain, M. S. Uddin, W. Shumi, N. A. A. Shukor..... | 714 |
| Induced Accumulation of Polyphenolics and Flavonoids in Cyanobacteria under Salt Stress Protects Organisms through Enhanced Antioxidant Activity | |
| D. P. Singh, R. Prabha, K. K. Meena, L. Sharma, A. K. Sharma..... | 726 |
| Highly Efficient <i>in Vitro</i> Regeneration Method of Endangered Medicinal Plant <i>Heliotropium kotschyi</i> (Ramram) in the Kingdom of Bahrain | |
| M. A. Sadeq, M. R. Pathak, A. A. Salih, M. Abido, A. Abahussain..... | 736 |
| MicroRNAs: The Potential Biomarkers in Plant Stress Response | |
| S. Bej, J. Basak..... | 748 |

Constituents of Some Essential Oil Bearing Plants from Vietnam

L. T. M. Chau, T. D. Thang, L. V. Diep, N. T. M. Tu, I. A. Ogunwande.....760

**Quantification of Ecosystem Services Provided by *Pterocarpus lucens* Lepr. Ex Guill. and Perrott.:
Forage Production, Timber and Carbon Sequestration in the Biosphere Reserve of Ferlo
(Northern Senegal)**

D. Ngom, E. C. Agbangba, T. Fall, S. Diatta. L. E. Akpo.....766