

## Table of Contents

Volume 5 Number 11

May 2014

### The Effect of Wide-Range Photosynthetic Active Radiations on Photosynthesis, Growth and Flowering of *Rosa sp.* and *Kalanchoe blossfeldiana*

- L. M. Mortensen.....1489

### Root Length Density in Maize/Cowpea Intercropping under a Basin Tillage System in a Semi-Arid Area of Zimbabwe

- E. D. N. Dube, T. Madanzi, A. Kapanzi, E. Masvaya.....1499

### Leaf Morphological and Stomatal Variations in Paper Birch Populations along Environmental Gradients in Canada

- A. Pyakurel, J. R. Wang.....1508

### In Silico Mining of EST-SSRs in *Jatropha curcas* L. towards Assessing Genetic Polymorphism and Marker Development for Selection of High Oil Yielding Clones

- N. Jain, G. B. Patil, P. Bhargava, R. S. Nadgaua.....1521

### The Effect of Air Temperature on Growth of Eight Herb Species

- L. M. Mortensen.....1542

### Leaf Water Status and Its Relationship with Reproductive Responses of Common Bean (*Phaseolus vulgaris* L.) Genotypes under Water Stress

- A. K. Choudhury, M. A. Karim, M. M. Haque, Q. A. Khaliq, J. U. Ahmed, M. M. Hossain.....1547

### Reconstruction of the Vegetation and Environment during Different Climatic and Sociotechnical Conditions of the Last 3000 Years in Southwestern Hungary

- K. Náfrádi, P. Sümegi, G. Jakab, G. Persaitis, T. Törőcsik.....1557

### Potential of AM Fungi in Phytoremediation of Heavy Metals and Effect on Yield of Wheat Crop

- A. Khan, M. Sharif, A. Ali, S. N. M. Shah, I. A. Mian, F. Wahid, B. Jan, M. Adnan, S. Nawaz, N. Ali.....1578

### Assessing the Potential Impacts of Elevated Temperature and CO<sub>2</sub> on Growth and Health of Nine Non-Vascular Epiphytes: A Manipulation Experiment

- L. Song, W. Y. Liu, Y. J. Zhang, Z. H. Tan, S. Li, J. H. Qi, Y. L. Yao.....1587

### Depletion of an Artificial Seed Bank of Palmer Amaranth (*Amaranthus palmeri*) over Four Years of Burial

- P. Jha, J. K. Norsworthy, J. Garcia.....1599

### Repeatability of Pre-Harvest Sprouting in Wheat

- E. S. Pagliosa, V. Carpentieri-Pipolo, D. D. Garbuglio, T. H. Oro, K. B. de A. Lopes, C. Zucareli.....1607

### The *in Vitro* Propagation Techniques for Producing Banana Using Shoot Tip Cultures

- M. Ngomuo, E. Mneney, P. A. Ndakidemi.....1614

**Antioxidant Activity and Lipoxygenase Inhibitory Effect of *Caralluma arabica* and Related Polyphenolic Constituents**

M. Khasawneh, H. M. Elwy, N. M. Fawzi, A. A. Hamza, A. R. Chevidenkandy, A. H. Hassan.....1623

**Ethnomedicinal Plants Used in the Healthcare Systems of Tribes of Dantewada, Chhattisgarh India**

P. K. Sahu, V. Masih, S. Gupta, D. L. Sen, A. Tiwari.....1632

**Effect of Time, Cultivar and Rootstock on Success of Rose Propagation through Stenting Technique**

Z. Izadi, H. Zarei, M. Alizadeh.....1644

**Accelerated Aging in Tomato Seeds**

A. da S. Almeida, C. Deuner, C. T. Borges, G. E. Meneghello, L. M. de Tunes, F. A. Villela.....1651

**Morphological and Phenological Attributes of Maize Affected by Different Tillage Practices and Varied Sowing Methods**

S. A. Anjum, Ehsanullah, U. Ashraf, M. Tanveer, R. Qamar, I. Khan.....1657

**Comparative Analysis of Genetic Diversity among Cultivated Pigeonpea (*Cajanus cajan* (L) Millsp.) and Its Wild Relatives (*C. albicans* and *C. lineatus*) Using Randomly Amplified Polymorphic DNA (RAPD) and Inter Simple Sequence Repeat (ISSR) Fingerprinting**

K. Yadav, S. K. Yadav, A. Yadav, V. P. Pandey, U. N. Dwivedi.....1665

***In Vitro* Induction of Polyploidy in *Citrus reticulata* Blanco**

D. M. Abou Elyazid, A. R. El-Shereif.....1679

**Effect of Various Intensities of Drought Stress on  $\delta^{13}\text{C}$  Variation among Plant Organs in Rice: Comparison of Two Cultivars**

M. Kano-Nakata, J. Tatsumi, Y. Inukai, S. Asanuma, A. Yamauchi.....1686

***In Situ* Germination and Early Seedling Growth of Wormwood (*Artemisia annua* L.)**

T. S. Muhammad, I. S. Usman, M. D. Katung, M. F. Ishiyaku.....1694

**Anthelmintic Activity of *Moringa oleifera* Leaf Extracts Evaluated *in Vitro* on Four Developmental Stages of *Haemonchus contortus* from Goats**

G. Mbogning Tayo, J. Wabo Poné, M. C. Komtangi, J. Yondo, A. M. Ngangout, M. Mbida.....1702

**Cultivation of *Erianthus* and Napier Grass at an Abandoned Mine in Lampung, Indonesia**

N. Sekiya, J. Abe, F. Shiotsu, S. Morita.....1711

**Zinc Requirements of Tropical Legume Cover Crops**

N. K. Fageria, V. C. Baligar, M. K. Elson.....1721