

## Table of Contents

Volume 5 Number 15

July 2014

### Evaluation Forage Clipping Stages and Different Levels of Nitrogen on Grain and Forage Yields of TRITICALE ( $\times$ TRITICOSECALE WITTMACK)

M. Niazhkani, A. Khorshid, A. Eivazi.....2199

### Vegetation of Ranikot Fort Area, a Historical Heritage of Sindh, Pakistan

N. S. Jilani, S. S. Tahir, M. T. Rajput.....2207

### Growth, Yield and Quality Performance of Pearl Millet (*Pennisetum americanum* L.) Varieties under Faisalabad Conditions, Pakistan

M. Hassan, A. Ahmad, S. I. Zamir, I. Haq, F. Khalid, T. Rasool, A. Hussain.....2215

### Efficacy of Different Fungicides against Mango Anthracnose in Senegalese Soudanian Agroclimate

P. M. Diedhiou, Y. Diallo, R. Faye, A. A. Mbengue, A. Sene.....2224

### Influence of Various Row Spacing on the Yield and Yield Components of Raya Anmol and Faisal Canola under Coastal Climatic Conditions of Lasbela

M. Waseem, D. M. Baloch, I. Khan.....2230

### Germination of *Encholirium spectabile* Mart. ex Schult. & Schult. f. Seeds in Response to Temperature and Water Stress

M. F. Figueiredo, F. C. B. Nogueira, C. L. Pinheiro, S. F. de Brito, S. M. Filho.....2237

### Weaning and Field Survival Responses of Propagules to Propagating Structures and Seedling Types in Sheanut Production in Tropical Africa

J. Yeboah, B. K. B. Banful, F. M. Amoah, B. K. Maalekuu, P. Y. Boateng.....2247

### Diagnosis of Sugarcane White Leaf Disease Using the Highly Sensitive DNA Based Voltammetric Electrochemical Determination

P. Wongkaew, S. Poosittisak.....2256

### Evaluation of Humic Acid Application Methods for Yield and Yield Components of Mungbean

M. Waqas, B. Ahmad, M. Arif, F. Munsif, A. L. Khan, M. Amin, S.-M. Kang, Y.-H. Kim, I.-J. Lee.....2269

### Winter Oilseed Crops after Soybeans as Tools for Weed Management in Brazilian Savannah Cropping Systems

G. Concenco, C. J. da Silva, M. Tomazi, R. F. Marques, S. A. dos Santos, M. E. dos Santos Alves, W. G. Palharini, A. L. Froes, D. N. Fabris.....2277

**Control of Glyphosate-Resistant Giant Ragweed (*Ambrosia trifida* L.) with 2,4-D Followed by Pre-Emergence or Post-Emergence Herbicides in Glyphosate-Resistant Soybean (*Glycine max* L.)**

A. J. Jhala, L. D. Sandell, G. R. Kruger.....2289

**Outlier Stands of Quaking Aspen in the Davis Mountains of West Texas: Clone or Clones?**

J. Nunneley, O. W. V. Auken, J. Karges.....2298

**Chemical Composition of the Essential Oil and Nitrogen Metabolism of Menthol Mint under Different Phosphorus Levels**

M. A. A. Souza, O. J. L. Araújo, D. M. C. Brito, M. S. Fernandes, R. N. Castro, S. R. Souza.....2312

**Response of Fodder Maize to Various Levels of Nitrogen and Phosphorus**

A. Khan, F. Munsif, K. Akhtar, M. Z. Afridi, Zahoor, Z. Ahmad, S. Fahad, R. Ullah, F. A. Khan, M. Din.....2323

**Estimating Emission of Leaves Seedlings Forest in Different Shading Levels, at Conditions of Transition Amazon-Cerrado, Brazil**

E. B. Monteiro, C. C. da Silva, A. C. da Silva, A. P. de Souza.....2330

**Somatic Embryogenesis and Organogenesis for Regeneration of Endangered Multipurpose Desert Plant *Leptadenia pyrotechnica* Forsk. Decne in the Kingdom of Bahrain**

M. A. Sadeq, M. R. Pathak, A. A. Salih, M. Abido, A. Abahussain.....2342

**Discrepancies in Growth Measurement Methods of Mosses: An Example from Two Keystone Species Grown under Increased CO<sub>2</sub> and N Supply in a Restored Peatland**

A. Siegenthaler, A. Buttler, P. Grosvernier, J.-M. Gobat, E. Mitchell.....2354

**Evaluation of Various Mango Varieties against the Infection Dynamics of Powdery Mildew (*Oidium mangiferae* Bert.)**

S. A. H. Naqvi, R. Perveen, S. A. Manzoor, H. M. I. Umar, M. T. Iqbal, F. Liaquat, T. Majid, A. Irshad.....2372

**Evaluation of Phytoremediation Potential of *Catharanthus roseus* with Respect to Chromium Contamination**

R. Ahmad, N. Misra.....2378

**Ergastic Substances (Calcium Oxalate Crystals) in the Leaf of *Combretum Loefl.* (Combretaceae) Species in Nigeria**

C. Ekeke, I. O. Agbagwa.....2389

**The Use of Sequence-Based SSR Mining for the Development of a Vast Collection of Microsatellites in *Aquilegia formosa***

B. Schlautman, V. Pfeiffer, J. Zalapa, J. Brunet.....2402

**Spore Types and Spore Production of *Ramularia areola* for Screening Cotton Germplasm for Resistance**

J. Volponi, J. N. Matos, L. Girotto, M. S. Marangoni, R. Galbieri, Y. R. Mehta.....2413

**Genetic Parameters and Correlation between Tomato Late Blight Field Resistance and Fruit Quality**

C. Nick, J. G. Aguilera, B. S. Laurindo, V. de Souza Almeida, R. D. de Freitas, C. D. Cruz, D. J. H. da Silva.....2418

**Vegetation Anatomical Studies on Compatibility and Incompatibility of Some Solanaceous Plant Species to Field Dodder (*Cuscuta campestris* Yuncker)**

A. F. Farah, S. M. Ibrahim.....2426

**Thermo-Protective Role of 28-Homobrassinolide in *Brassica Juncea* Plants**

S. Geetika, K. Harpreet, B. Renu, K. N. Spal, S. Poonam.....2431

**Anatomy and Histochemistry of Araticum (*Annona crassiflora* Mart.) on Three Annonaceae Rootstocks**

L. F. P. de Almeida, S. M. Gomes, R. G. Vasconcelos, O. K. Yamanishi, C. M. de Alencar.....2440

**Chemical Constituents and Antimicrobial Activity of Essential Oil of *Senna podocarpa* (Guill. et Perr.) Lock**

M. A. Adebayo, O. A. Lawal, A. A. Sikiru, I. A. Ogunwande, O. N. Avoseh.....2448

**High Frequency Plant Regeneration from Leaf Derived Callus of *Dianthus caryophyllus* L.**

M. Arif, S. Rauf, A. Ud Din, M. Rauf, H. Afrasiab.....2454

**Microorganisms in the Zone of Submarine Volcanic Eruptions at 535-513 Ma**

P. N. Kolosov, L. S. Sofroneeva.....2464

**Geostatistics as a Methodology for Studying the Spatiotemporal Dynamics of *Ramularia areola* in Cotton Crops**

J. A. Pizzato, D. V. Araújo, E. A. S. Galvanin, J. Romato Júnior, Â. N. A. Matos, M. Vecchi, F. D. Zavislak.....2472

**Census Ethnobotanical Study of Some Plants Used in Traditional Medicine in the City of Meknes**

F. Moussaoui, T. Alaoui, S. Aoudry.....2480