

# Table of Contents

**Volume 9    Number 4**

**March 2018**

## **Interaction between Allelochemicals and *Fusarium* Root Rot in Asparagus Seedlings Cultured *In Vitro***

J. Liu, Y.-I. Matsubara.....543

## **Persistence of *Venturia inaequalis* Populations Resistant to Strobilurins in the Field and in the Glasshouse**

R. Fiaccadori.....552

## **Functional Analysis of Air Temperatures as Related to Chilling Requirements of Perennial Fruit Crops**

Y. Xue, S. P. Adigarla, S. P. Bagli, E. Gray.....561

## **Analysis of Health-Associated Phytochemical Compounds in Seven *Hypoxis* Species**

B. E. Nsibandé, K.-E. Gustavsson, L.-H. Zhu.....571

## **Soil Physical Properties and Grain Yield Influenced by Cover Crops and Crop Rotation**

C. T. Forte, A. N. Beutler, L. Galon, C. T. Castoldi, F. L. Winter, C. M. Holz, F. Bianchessi,  
G. Concenço, L. Chechi, M. M. Ferreira, A. Andres, G. M. Burg.....584

## **Development and Characterization of Microsatellite Markers for Three Pollination Morphs of *Cimicifuga simplex* (Ranunculaceae)**

T. Toji, Y. Kameyama, A. S. Hirao, T. Itino.....599

## **Seed Priming and Tolerance to Salt and Water Stress in Divergent Grain Sorghum Genotypes**

C. L. Pinheiro, H. T. N. Araújo, S. F. de Brito, M. da S. Maia, J. da S. Viana, S. M. Filho.....606

## **Physicochemical and Chromatographic Profiles of Distilled Sugarcane Spirits Produced in Mozambique**

M. C. M. Tábuá, M. G. Cardoso, W. D. Santiago, G. da S. Gonçalves, R. B. Barbosa,  
A. da S. Lunguinho, R. E. da S. Oliveira, G. B. d'Ávila, M. L. Magalhães, D. L. Nelson.....617

## **Effect of Growth Regulators in Production and Rooting of *Coffea arabica* L. Minicuttings**

P. F. M. Cavalcanti Filho, D. C. Baitelle, S. de J. Freitas, W. S. da Silva, P. C. dos Santos,  
W. P. Rodrigues, S. de P. Freitas, I. L. de Jesus Freitas, T. Locatelli, A. C. Verdin Filho, G. B. Miranda.....628

## **Allelopathic Effect of the Coffee Residue in Emergency and *Urochloa brizantha* Growth**

B. M. R. de Melo, T. P. da Silva, D. G. Castro, F. B. S. Botelho, E. R. Moreira, S. S. Gomes, H. O. dos Santos.....637

### Impacts of Residual Phosphorus on the Production of Cowpea in the Cerrado Region

- J. da C. Gaspar, M. B. Furtado, W. J. dos S. Silva, I. dos S. Reis,  
N. A. F. Machado, M. F. de Farias, J. L. B. Furtado, H. A. F. de Andrade,  
R. da S. Sobral, L. J. Parra-Serrano, K. de M. Rodrigues, R. R. S. Silva-Matos.....645

### Microbiological Assessment of Soil Planted with Cover Crops, and Soybean and Maize in Succession

- J. Vanelli, E. P. Seidel, J. R. Stangarlin, M. C. Mottin, P. W. R. Coutinho,  
N. P. Henquemeier, D. A. Cadornin, J. F. Frandaloso, A. L. Alves.....659

### Characterization and in Plant Detection of Bacteria That Cause Bacterial Panicle Blight of Rice

- T. Mulaw, Y. Wamishe, Y. Jia.....667

### Allelopathic Effects of Cereal Rye on Weed Suppression and Forage Yield in Alfalfa

- L. Adhikari, M. Mohseni-Moghadam, A. Missaoui.....685

### Cloning and Expression Analysis of *RrMYB113* Gene Related to Anthocyanin Biosynthesis in *Rosa rugosa*

- K. Zou, Y. Wang, M. Y. Zhao, L. Y. Zhao, Z. D. Xu.....701

### Spacing between Soybean Rows

- L. C. Garcia, I. Frare, T. Inagaki, P. H. W. Neto, M. Martins, M. H. Melo,  
L. Nadolny, M. K. Rogenski, N. S. Filho, E. B. de Oliveira.....711

### Flower Characteristics and Pollination Behavior of *Euryale ferox* (Salisb.)

- B. R. Jana.....722

### Preliminary Variations in Physiological Modules When *sub1A* QTL Is under Soil-Moisture Deficit Stress

- I. Saha, A. K. De, A. Ghosh, B. Sarkar, N. Dey, M. K. Adak.....732

### Analysis of Two Clonal Lines (Embryogenic and Non-Embryogenic) of *Agave fourcroydes* Using AFLP and MSAP

- K. M. Monja-Mio, A. Quiroz-Moreno, G. Herrera-Herrera, J. L. Montero-Muñoz,  
F. Sánchez-Teyer, M. L. Robert.....745

### *In Vitro* Priming of Sugarcane Varieties (RB966928 and RB867515)

- R. P. Duarte, R. K. S. Rezende, F. Pinto, M. V. Jesus, I. R. da S. Junior, A. M. Scoton.....763

### Biomass Productivity and Physical Properties of the Soil after Cultivation of Cover Plant in the Autumn and Winter

- M. C. Mottin, E. P. Seidel, E. Fey, J. Vanelli, A. L. Alves, A. Richart, J. F. Frandaloso,  
K. A. Anschau, M. A. Francziskowski.....775

**Comparative Proteomics Reveals Set of Oxidative Stress and Thaumatin-Like Proteins Associated with Resistance to Late Blight of Tomato**

B. S. Laurindo, R. D. F. Laurindo, P. P. Fontes, C. E. Vital, F. T. Delazari,  
M. C. Baracat-Pereira, D. J. H. da Silva.....879

**Genetic Diversity in the Environmental Conditioning of Two Sorghum (*Sorghum bicolor* L.) Hybrids**

J. J. Burke, Y. Emendack, C. Hayes, J. Chen.....817

**Early Forage Biomass and Sward Structures of Native Warm-Season Grasses Established at Different Seedling Densities**

V. W. Temu, C. Galanopoulos, M. K. Kering, L. K. Rutto.....832

**Metabolomics Profile of Potato Tubers after Phosphite Treatment**

X. X. Gao, S. Locke, J. Z. Zhang, J. Joshi, G. Wang-Pruski.....845

**Nitrogen Metabolism, Carbohydrates and Sucrose in Young Plants of Paricá (*Schizolobium amazonicum*) Submitted to Different Dosages of Aluminum**

V. R. do Nascimento, D. J. P. de Sousa, J. S. S. Teixeira, J. J. B. Leão, L. C. Machado,  
G. A. dos S. Nogueira, C. F. de O. Neto, A. E. de A. Brito,  
R. S. Okumura, W. V. de A. Júnior.....865

**Agronomic and Productivity Performance for Quinoa Genotypes in an Agroecological and Conventional Production System**

C. Belmonte, E. S. de Vasconcelos, C. Y. Tsutsumi, E. Lorenzetti, C. Hendges,  
J. C. Coppo, A. da S. Martinez, R. Pan, T. S. Brito, A. M. Inagaki.....880

**Steviol Glycoside Content Dynamics during the Growth Cycle of *Stevia rebaudiana* Bert**

A. B. Guerrero, L. San Emeterio, I. Domeño, I. Irigoyen, J. Muro.....892

**Growth, Metabolites, Protein Profile and Esterase Enzyme of Wheat Grown under Osmotic Stress with Exogenous Application of *Allium sativum***

H. M. Abd El-Samad, M. D. Mostafa.....902

**Population Dynamics of *Croton blanchetianus* Baill. in a Caatinga Area in the Brazilian Semi-Arid**

A. V. de Lacerda, J. P. P. de Lima, T. J. de O. Nunes, A. C. Gomes,  
C. S. M. Dornelas, H. M. de Alcântara, F. M. Barbosa.....920