

Table of Contents

Volume 6 Number 8

May 2015

In Vitro* Micropropagation of a Valuable Medicinal Plant, *Plectranthus amboinicus

Z. A. Rahman, E. S. M. Noor, M. S. M. Ali, R. Mirad, A. N. Othman.....1091

Genetic Variation for Biomass and Related Morphological Traits in Cup Plant (*Silphium perfoliatum* L.)

T. Assefa, J. X. Wu, K. A. Albrecht, P. J. Johnson, A. Boe.....1098

Effect of Selective Medicinal Plant Extract on Blood Glucose, Sperm Shape and Various Physiological Parameters

S. H. Reddy, I. S. Al-Neeri, H. K. Al-Issaei, S. M. Al-Jabri.....1109

Tomato Plants Overexpressing a Celery Mannitol Dehydrogenase (MTD) Have Decreased Susceptibility to *Botrytis cinerea*

T. K. Patel, S. F. Krasnyanski, G. C. Allen, F. J. Louws, D. R. Panthee, J. D. Williamson.....1116

Carbohydrates, Growth and Production of “Roxo de Valinhos” Fig Tree in Initial Development under Irrigation Management

M. E. de Souza, S. Leonel, A. C. da Silva, A. P. de Souza, R. L. Martin, A. A. Tanaka.....1126

Use of Polymerase Chain Reaction for Identification of the Pathogen and Management of Potato Soft Rot with Zinc Application

A. Bibi, M. Junaid, M. Ahmad, A. Ali, F. Wahid, R. Naz, A. Ullah, A. Mahar, S. A. Kalhor.....1138

Optimizing Plant Geometry and Nutrient Management for Grain Yield and Economics in Irrigated Greengram

M. M. Keerthi, R. Babu, M. Joseph, R. Amutha.....1144

Parasitic Plants *Striga* and *Phelipanche* Dependent upon Exogenous Strigolactones for Germination Have Retained Genes for Strigolactone Biosynthesis

M. Das, M. Fernández-Aparicio, Z. Z. Yang, K. Huang, N. J. Wickett, S. Alford,
E. K. Wafula, C. dePamphilis, H. Bouwmeester, M. P. Timko, J. I. Yoder, J. H. Westwood.....1151

Blossoming Characteristics in Black Cumin Genotypes in Relation Seed Yield Influenced by Sowing Time

M. Z. Haq, M. M. Hossain, M. M. Haque, M. R. Das, M. S. Huda.....1167

Genomic Fingerprinting of *Camelina* Species Using cTBP as Molecular Marker

I. Galasso, A. Manca, L. Braglia, E. Ponzoni, D. Breviario.....1184

Mitotic Activity in Cowpea (*Vigna unguiculata* (L.) Land Race “Olaudi” Walp) in Nigeria

P. O. Willie, P. O. Aikpokpodion.....1201

The Effects of He-Ne Laser and Enhanced Ultraviolet-B Radiation on Proliferating-Cell Nuclear Antigen in Wheat Seedlings	
F. F. Liu, H. Z. Chen, R. Han.....	1206
Morphological and Molecular Dissection of Leaf Development in Wild-Type and Various Morphogenetic Mutants in Rice	
P. Dechkrong, T. Yoshikawa, J.-I. Itoh.....	1215
Optimizing Yield and Quality of Canola Cultivars Using Various Potash Levels	
A. Ahmed, F. Ali, Inamullah, A. Ali, A. Ullah, R. Naz, A. Mahar, S. A. Kalhoro.....	1233
A <i>Comt1</i> Loss of Function Mutation Is Insufficient for Loss of Pungency in <i>Capsicum</i>	
S. Koeda, K. Sato, Y. Tanaka, R. Takisawa, A. Kitajima.....	1243
Rhombic Analysis Extension of a Plant-Surface Water Interaction-Diffusion Model for Hexagonal Pattern Formation in an Arid Flat Environment	
B. J. Kealy-Dichone, D. J. Wollkind, R. A. Cangelosi.....	1256
Vegetative Rhombic Pattern Formation Driven by Root Suction for an Interaction-Diffusion Plant-Ground Water Model System in an Arid Flat Environment	
I. Chaiya, D. J. Wollkind, R. A. Cangelosi, B. J. Kealy-Dichone, C. Rattanakul.....	1278
Assisted Revegetation Following Contaminated Site Remediation in the Arctic: Four-Year Case Study of a Former Radar Site	
S. Ficko, B. Smith, B. Zeeb.....	1301
Remote Sensing of Selected Winter and Spring Host Plants of Tarnished Plant Bug (Heteroptera: Miridae) and Herbicide Use Strategies as a Management Tactic	
D. L. Sudbrink, S. J. Thomson, R. S. Fletcher, F. A. Harris, P. J. English, J. T. Robbins.....	1313