

TABLE OF CONTENTS

Volume 3 Number 4

April 2012

Phosphate Biofertilizer, Row Spacing and Plant Density Effects on Corn (*Zea mays L.*) Yield and Weed Growth

- G. R. Mohammadi, M. E. Ghobadi, S. Sheikheh-Poor.....425

Biological Control Potential of *Colletotrichum gloeosporioides* for Coffee Senna (*Cassia occidentalis*)

- C. D. Boyette, R. E. Hoagland, M. A. Weaver, K. Stetina.....430

Rapid *in Vitro* Multiplication of an Endangered Medicinal Plant Sarpgandha (*Rauwolfia serpentina*)

- S. R. Mallick, R. C. Jena, K. C. Samal.....437

Comparative Effect of Ca, K, Mn and B on Post-Drought Stress Recovery in Tea [*Camellia sinensis* (L.) *O Kuntze*]

- H. Upadhyaya, B. K. Dutta, L. Sahoo, S. K. Panda.....443

A Comparative Testing of *Cucumber mosaic virus* (CMV)-Based Constructs to Generate Virus Resistant Plants

- X. Q. Tan, D. Y. Zhang, C. Wintgens, P. Willingmann, G. Adam, C. Heinze.....461

Dormancy of Fig Cultivated under Moroccan Conditions

- A. Oukabli, A. Mekaoui.....473

Structure, Composition and Diversity of Horticulture Trees and Agricultural Crops Productivity under Traditional Agri-Horticulture System in Mid Hill Situation of Garhwal Himalaya, India

- A. Bijalwan.....480

Ultrastructural Analysis of the Ontogenetic Development of Shoot Induced from Embryonic Axes of Costa Rican Bean Varieties (*Phaseolus vulgaris L.*) under *in Vitro* Conditions by Scanning Electronic Microscopy

- M. Jiménez, A. Gatica, E. Sánchez, M. Valdez.....489

Examination of Potential Measures of Vine Maturity in Potato

- E. Haga, B. Weber, S. Jansky.....495

In Vitro Evaluation of Fasciolicide Activity with Hexane, Methanol and Ethyl Acetate with Extracts Processed and Obtained from Some Mexican Plants Used in Traditional Medicine Based on Ethno Botanical Studies

- S. Ibarra-Moreno, F. Ibarra-Velarde, J. G. Ávila-Acevedo.....506

**Incidence, Severity and Gravity of Cassava Mosaic Disease in Savannah Agro-Ecological Region of DR-Congo:
Analysis of Agro-Environmental Factors**

M. Muengula-Manyi, K. K. Nkongolo, C. Bragard, P. Tshilenge-Djim, S. Winter, A. Kalonji-Mbuyi.....512

**Weed Control Efficacy and Citrus Response to Flazasulfuron Applied Alone or in Combination with Other
Herbicides**

M. Singh, A. H. M. Ramirez, A. J. Jhala, M. Malik.....520

**Application of Marker Assisted Backcrossing to Introduce the Submergence Tolerance QTL SUB1 into the
Vietnam Elite Rice Variety-AS996**

L. M. Cuc, L. T. N. Huyen, P. T. M. Hien, V. T. T. Hang, N. Q. Dam, P. T. Mui, V. D. Quang, A. M. Ismail, L. H. Ham.....528

**Low Co-Cultivation Temperature at 20°C Resulted in the Reproducible Maximum Increase in Both the Fresh
Weight Yield and Stable Expression of GUS Activity after *Agrobacterium tumefaciens*-Mediated
Transformation of Tobacco Leaf Disks**

G. Y. Su, S. Park, S. Lee, N. Murai.....537

Time of Application of S-Metolachlor Affects Growth, Marketable Yield and Quality of Carrot and Red Beet

D. E. Robinson, K. E. McNaughton.....546

The Synthesis and Storage Sites of Phenolic Compounds in the Root and Rhizome of *Echinacea purpurea*

Z. Q. Li, T. X. Tang, S. J. Liang, X. P. Ning, M. Bai, H. Wu.....551

The figure on the front cover is from the article published in American Journal of Plant Sciences, 2012, Vol. 3, No. 4, pp. 437-442 by Subhadra Rani Mallick, Ram Chandra Jena and Kailash Chandra Samal.