

TABLE OF CONTENTS

Volume 3 Number 1

January 2012

New Pineapple Somaclonal Variants: P3R5 and Dwarf

G. Pérez, E. Yanez, A. Mboghli, B. Valle, F. Sagarra, L. Yabor, C. Aragón, J. González, M. Isidró, J. C. Lorenzo.....1

Taxonomic Revision of the Genus *Pistacia* L. (Anacardiaceae)

M. G. AL-Saghir, D. M. Porter.....12

Molecular Adaptation of Peanut Metabolic Pathways to Wide Variations of Mineral Ion Composition and Concentration

G. O. Osuji, T. K. Brown, S. M. South, J. C. Duncan, D. Johnson, S. Hyllam.....33

Quantitative Analysis of ATP Sulfurylase and Selenocysteine Methyltransferase Gene Expression in Different Organs of Tea Plant (*Camellia sinensis*)

S. Q. Tao, J. Li, X. G. Gu, Y. N. Wang, Q. Xia, B. Qin, L. Zhu.....51

Molecular Characterization of *Pseudomonas* spp. Isolated from Root Nodules of Various Leguminous Plants of Shekhawati Region, Rajasthan, India

S. Issar, S. Sharma, D. K. Choudhary, H. K. Gautam, R. K. Gaur.....60

In Vitro Propagation of *Ocimum gratissimum* L. (Lamiaceae) and Its Evaluation of Genetic Fidelity Using RAPD Marker

S. Saha, A. Kader, C. Sengupta, P. Ghosh.....64

Leaf Wand for Measuring Chlorophyll Fluorescence on Cylindrical Leaves and Its Application on *Juncus roemerianus* (Black Needlerush)

P. D. Biber.....75

Effect of Shade on Seed Protein, Oil, Fatty Acids, and Minerals in Soybean Lines Varying in Seed Germinability in the Early Soybean Production System

N. Bellaloui, J. R. Smith, A. M. Gillen, D. K. Fisher, A. Mengistu.....84

Response of Eight Sweet Maize (*Zea mays* L.) Hybrids to Saflufenacil Alone or Pre-Mixed with Dimethenamid-P

D. E. Robinson, N. Soltani, P. H. Sikkema.....96

The Ultrastructure Characteristics of Secretory Cavities Associated with the Secretory Products of *Ginkgo biloba*

F. R. Peng, H. Y. Guo, M. Z. Hao, J. Guo, Y. Z. Yang, P. P. Tan.....102

Comparative Study of Leaf Morphology in *Aster hispidus* Thunb. var. *leptocladus* (Makino) Okuyama (Asteraceae)

H. Hayakawa, Tunala, Y. Minamiya, K. Ito, S. W. Gale, J. Yokoyama, R. Arakawa, T. Fukuda.....110

Correlation between Sex Stages and Leaf Numbers in <i>Arisaema tosaense</i> Makino (Araceae)	
Y. Muramatsu, K. Matsuyama, H. Hayakawa, Y. Minamiya, K. Ito, R. Arakawa, T. Fukuda.....	114
Effects of Planting and Maturity Dates on Shattering Patterns under Early Soybean Production System	
L. X. Zhang, N. Bellaloui.....	119
Response of Sorghum Accessions from Four African Countries against <i>Colletotrichum sublineolum</i>, Causal Agent of Sorghum Anthracnose	
L. K. Prom, J. Erpelding, R. Perumal, T. Isakeit, H. Cuevas.....	125
Nodulation Capacity of Argentinean Soybean (<i>Glycine max</i> L. Merr) Cultivars Inoculated with Commercial Strains of <i>Bradyrhizobium japonicum</i>	
R. D. Salvucci, M. Aulicino, M. Hungria, P. A. Balatti.....	130
Floristic Account of the Asclepiadaceous Species from the Flora of Dera Ismail Khan District, KPK, Pakistan	
S. K. Marwat, M. A. Khan, M. Ahmad, M. Zafar, K. Usman.....	141
Effect of Mercuric Compounds on Pine and Sycamore Germination and Early Survival	
S. R. Jean-Philippe, N. Labbé, J. Damay, J. A. Franklin, K. Hughes.....	150
Effect of Compaction on Physical and Micromorphological Properties of Forest Soils	
I. Bagheri, S. B. Kalhori, M. Akef, F. Khormali.....	159
Water and Nitrogen Management Effects on Biomass Accumulation and Partitioning in Two Potato Cultivars	
A. K. Alva, H. Ren, A. D. Moore.....	164
Prediction of Landscape Pattern of Soft Sandstone Area (SSA) after Seabuckthorn Planting	
J. Z. Hu.....	171

The figure on the front cover is from the article published in the American Journal of Plant Sciences, 2012, Vol. 3, No. 1, pp. 141-149 by Sarfaraz Khan Marwat, *et al.*