

TABLE OF CONTENTS

Volume 4 Number 3

March 2013

<i>Pinus taeda</i> cDNA Microarray as a Tool for Candidate Gene Identification for Local Red/Far-Red Light Adaptive Response in <i>Pinus sylvestris</i>	
S. S. Ranade, S. Abrahamsson, J. Niemi, M. R. García-Gil.....	479
Karyological and Electrophoretic Distinction between Sexes of <i>Trichosanthes bracteata</i>	
K. Karmakar, R. K. Sinha, S. Sinha.....	494
Chemically Induced Mutants of <i>Brassica oleracea</i> var. <i>botrytis</i> Maintained Stable Resistance to Drought and Salt Stress after Regeneration and Micropropagation	
F. Hadi, M. P. Fuller.....	498
Mitotic Studies on <i>Combretum</i> Loeffl. from Nigeria	
C. Ekeke, I. O. Agbagwa, B. E. Okoli.....	508
Metabolites from Resistant and Susceptible <i>Pinus thunbergii</i> after Inoculation with Pine Wood Nematode	
F. J. Zhang, J. Kajiwara, Y. Mori, M. Ohira, Y. Tsutsumi, R. Kondo.....	512
<i>In Vitro</i> Propagation and Conservation of <i>Zeyheria montana</i> Mart: An Endangered Medicinal Plant	
B. W. Bertoni, R. M. Moraes, L. L. Previdelli, P. S. Pereira, S. de Castro França, A. M. S. Pereira.....	519
Comparative Analyses of Stomatal Size and Density among Ecotypes of <i>Aster hispidus</i> (Asteraceae)	
Y. Kumekawa, H. Miyata, K. Ohga, H. Hayakawa, J. Yokoyama, K. Ito, S.-I. Tebayashi, R. Arakawa, T. Fukuda.....	524
Construction and Analysis of SSH-cDNA Library from Leaves of Susceptible Rubber Clone Resistant to Powdery Mildew Induced by BTH	
C. J. Luo, Z. W. Fan, Y. D. Shen, X. X. Li, H. T. Chang, Q. Q. Huang, L. Z. Liu.....	528
Two-Way but Asymmetrical Reproductive Interference between an Invasive <i>Veronica</i> Species and a Native Congener	
K.-I. Takakura.....	535
Morphological Diversity of Some <i>Tephrosia</i> Species (Fabaceae) in Saudi Arabia	
F. A. Al-Ghamdi.....	543
AACA Element Negatively Regulates Expression of Protein Phosphatase 2C (PP2C) like Promoter in <i>Arabidopsis thaliana</i>	
P. Bhalothia, A. Alok, S. Mehrotra, R. Mehrotra.....	549
<i>In Silico</i> Analysis of a MRP Transporter Gene Reveals Its Possible Role in Anthocyanins or Flavonoids Transport in <i>Oryza sativa</i>	
Q. L. Zhu, X. R. Xie, J. Zhang, G. Xiang, Y. Li, H. B. Wu.....	555
Response of Peach, Plum and Almond to Water Restrictions Applied during Slowdown Periods of Fruit Growth	
R. Razouk, J. Ibjibijen, A. Kajji, M. Karrou.....	561
Research Note: Bird-Resistant Pollination Bags for Sorghum Breeding and Germplasm Maintenance	
D. C. Gitz III, J. T. Baker, Z. G. Xin, R. J. Lascano, J. J. Burke, S. E. Duke.....	571
Growth and Leaf Area Index Simulation in Maize (<i>Zea mays</i> L.) under Small-Scale Farm Conditions in a Sub-Saharan African Region	
J.-C. L. Lukeba, R. K. Vumilia, K. C. K. Nkongolo, M. L. Mwabila, M. Tsumbu.....	575

Unravelling Effects of Temperature and Soil Moisture Stress Response on Development of Dry Root Rot [<i>Rhizoctonia bataticola</i> (Taub.)] Butler in Chickpea	
M. Sharma, S. Pande.....	584
Characterization of Nuclear and Chloroplast Microsatellite Markers for <i>Falcaria vulgaris</i> (Apiaceae)	
S. Piya, M. P. Nepal.....	590
Coastal Adaptation of <i>Adenophora triphylla</i> var. <i>japonica</i> (Campanulaceae)	
K. Ohga, M. Muroi, H. Hayakawa, J. Yokoyama, K. Ito, S.-I. Tebayashi, R. Arakawa, T. Fukuda.....	596
Overexpression of <i>ARAhPR10</i>, a Member of the PR10 Family, Decreases Levels of <i>Aspergillus flavus</i> Infection in Peanut Seeds	
C. Z. Xie, S. J. Wen, H. Y. Liu, X. P. Chen, H. F. Li, Y. B. Hong, X. Q. Liang.....	602
Review Article: High-Temperature Adult-Plant Resistance, Key for Sustainable Control of Stripe Rust	
X. M. Chen.....	608
Variation in Catechin Composition of Popularly Cultivated Tea Clones in East Africa (Kenya)	
L. Cherotich, S. M. Kamunya, A. Alakonya, S. W. Msomba, M. A. Uwimana, J. K. Wanyoko, P. O. Owuor.....	628
Small RNAs and Transgenerational Epigenetic Variation	
J. R. M. Lee, Z. Duxbury, M.-B. Wang.....	641
The Sucrose Starvation Signal Mediates Induction of Autophagy- and Amino Acid Catabolism-Related Genes in Cowpea Seedling	
A. Kaneko, E. Noguchi, Y. Ishibashi, T. Yuasa, M. Iwaya-Inoue.....	647

The figure on the front cover is from the article published in American Journal of Plant Sciences, 2013, Vol. 4, No. 3, pp. 596-601 by Kyohei Ohga, *et al.*