

TABLE OF CONTENTS

Volume 3 Number 2

February 2012

Invasive Alien Plants of Indian Himalayan Region—Diversity and Implication

- K. C. Sekar.....177

Meiotic Studies in *Withania somnifera* (L.) Dunal.: A Threatened Medicinal Herb of Indian Thar Desert

- H. Ram, A. Kumar, S. K. Sharma, A. Ojha, S. R. Rao.....185

Gene Expression Profiling during Wilting in Chickpea Caused by *Fusarium oxysporum* f. sp. *Ciceri*

- G. S. Gurjar, A. P. Giri, V. S. Gupta.....190

Elevated Carbon Dioxide Alters the Relative Fitness of *Taraxacum officinale* Genotypes

- J. A. Bunce.....202

Studies on Some Plant Extracts for Their Antimicrobial Potential against Certain Pathogenic Microorganisms

- M. Sheikh, A. R. Malik, M. K. Meghvanshi, I. Mahmood.....209

Evaluation of Synthetic and Natural Insecticides for the Management of Insect Pest Control of Eggplant (*Solanum Melongena* L.) and Pesticide Residue Dissipation Pattern

- J. Saimandir, M. Gopal.....214

The Pathogen and Wound Induces Expression of Genes Related to Proanthocyanidins (PAs) Synthesis in Cotton Leaves

- C. J. Xie, D. Wang, F. Kou, D. Kang, X. Y. Yang.....228

Evaluation of Expression Stability of Candidate References Genes among Green and Yellow Pea Cultivars (*Pisum sativum* L.) Subjected to Abiotic and Biotic Stress

- G. C. Saha, G. J. Vandemark.....235

Effect of Nitrogen on Yield and Oil Quality of Sunflower (*Helianthus annuus* L.) Hybrids under Sub Humid Conditions of Pakistan

- W. Nasim, A. Ahmad, A. Bano, R. Olatinwo, M. Usman, T. Khalil, A. Wajid, H. M. Hammad, M. Mubeen, M. Hussain.....243

Variations in Carbohydrate Content and Sucrose-Metabolizing Enzymes in Tomato (*Solanum lycopersicum* L.) Stamen Parts during Pollen Maturation

- E. Pressman, R. Shaked, S. Shen, L. Altahan, N. Firon.....252

Enzymes of Phenylpropanoid Metabolism Involved in Strengthening the Structural Barrier for Providing Genotype and Stage Dependent Resistance to Karnal Bunt in Wheat

- S. Purwar, S. M. Gupta, A. Kumar.....261

Regio- and Substrate-Specific Oxidative Metabolism of Terpinolene by Cytochrome P450 Monooxygenases in *Cupressus lusitanica* Cultured Cells

- T. Harada, E. Harada, R. Sakamoto, T. Ashitani, K. Fujita, K. Kuroda.....268

**The Effects of Silvicultural Thinning and *Lymantria dispar* L. Defoliation on Wood Volume Growth
of *Quercus* spp.**

M. A. Fajvan, K. W. Gottschalk.....276

Solanaceae Evolutionary Dynamics of the I2-NBS Domain

M. Sara, S. Walter, C. Paola, M. Luigi, F. Luigi, E. M. Raffalella.....283

Ethepron-Induced Abscission of “Redhaven” Peach

A. Taheri, J. A. Cline, S. Jayasankar, P. K. Pauls.....295

The figure on the front cover is from the article published in American Journal of Plant Sciences, 2012, Vol. 3, No. 2, pp. 295-301 by Ali Taheri, *et al.*