

ORIGINAL ARTICLES

**Influence of Exogenous Glycine Betaine and Abscisic Acid on Papaya in Responses to Water-deficit Stress**  
J. Mahouachi · R. Argamasilla · A. Gómez-Cadenas 1

**Ectopic Expression of *E2FB*, a Cell Cycle Transcription Factor, Accelerates Flowering and Increases Fruit Yield in Tomato**  
Z. Abraham · J.C. del Pozo 11

**Proteins and Metabolites Regulated by Trinexapac-ethyl in Relation to Drought Tolerance in Kentucky Bluegrass**  
C. Xu · B. Huang 25

**Microarray-based Analysis of Tomato miRNA Regulated by *Botrytis cinerea***  
W. Jin · F. Wu · L. Xiao · G. Liang · Y. Zhen · Z. Guo · A. Guo 38

**Why Nitrogen Use Efficiency Decreases Under High Nitrogen Supply in Rice (*Oryza sativa* L.) Seedlings**  
Y. Li · X. Yang · B. Ren · Q. Shen · S. Guo 47

**Growth Enhancement of Chickpea in Saline Soils Using Plant Growth-Promoting Rhizobacteria**  
D. Patel · C.K. Jha · N. Tank · M. Saraf 53

**Endogenous Auxin Profile in the Christmas Rose (*Helleborus niger* L.) Flower and Fruit: Free and Amide Conjugated IAA**  
A. Brcko · A. Pěňčík · V. Magnus · T. Prebeg · S. Mlinarić · J. Antunović · H. Lepeduš · V. Cesar · M. Strnad · J. Rolčík · B. Salopek-Sondi 63

**Heme Oxygenase is Involved in the Protection Exerted by Jasmonic Acid Against Cadmium Stress in Soybean Roots**  
G. Noriega · D.S. Cruz · A. Batlle · M. Tomaro · K. Balestrasse 79

**Sugar and Light Effects on the Condition of the Photosynthetic Apparatus of *Arabidopsis thaliana* Cultured in vitro**  
A. Eckstein · P. Zięba · H. Gabryś 90

**Effect of Water Deficit on Expression of Stress-related Genes in the Cambial Region of Two Contrasting Poplar Clones**  
G. Pallara · A. Giovannelli · M.L. Traversi · A. Camussi · M.L. Racchi 102

**Physiological Evaluation of Drought Stress Tolerance and Recovery in Cauliflower (*Brassica oleracea* L.) Seedlings Treated with Methyl Jasmonate and Coronatine**  
H. Wu · X. Wu · Z. Li · L. Duan · M. Zhang 113

**Physiological Characteristics and Leaf Ultrastructure of a Novel Chlorophyll-deficient *chd6* Mutant of *Vitis vinifera* Cultured in vitro**  
D. Yang · S. Li · M. Li · X. Yang · W. Wang · Z. Cao · W. Li 124

MEETING REPORT

**Flowering and Plant Development at the 38th Spanish Society of Genetics Congress, Murcia, 2011**  
P. Madrigal 136