

2017 Reviewer Thank You 1

ORIGINAL ARTICLES

Exogenous Hydrogen Sulfide Ameliorates Seed Germination and Seedling Growth of Cauliflower Under Lead Stress and Its Antioxidant Role
Z. Chen · B. Yang · Z. Hao · J. Zhu · Y. Zhang · T. Xu 5

Silicon Enhanced Redox Homeostasis and Protein Expression to Mitigate the Salinity Stress in *Rosa hybrida* 'Rock Fire'
P. Soundararajan · A. Manivannan · C.H. Ko · B.R. Jeong 16

Possible Mechanism of the Detached Unripe Green Tomato Fruit Turning Red
X. Fei · Y. Lulu · Z. Feng · C. Zhongquan · Z. Huayan · G. Xinxin · M. Haiyan · L. Lintao 35

Arbuscular Mycorrhiza *Rhizophagus irregularis* and Silicon Modulate Growth, Proline Biosynthesis and Yield in *Cajanus cajan* L. Millsp. (pigeonpea) Genotypes Under Cadmium and Zinc Stress
N. Garg · S. Singh 46

MYB Transcription Factors and a Putative Flavonoid Transporter ABCC-Like are Differentially Expressed in Radiata Pine Seedlings Exposed to Inclination
R. Gomez · J. Gonzalez · R. Herrera · P. Ramos 64

An R2R3-MYB Transcription Factor FtMYB15 Involved in the Synthesis of Anthocyanin and Proanthocyanidins from Tartary Buckwheat
X. Luo · H. Zhao · P. Yao · Q. Li · Y. Huang · C. Li · H. Chen · Q. Wu 76

Functional Analysis of Abscisic Acid-Stress Ripening Transcription Factor in *Prunus persica* f. *atropurpurea*
W. Jiaying · H. Feng · J. Weibing · C. Haoming 85

Jasmonate Metabolism and Its Relationship with Abscisic Acid During Strawberry Fruit Development and Ripening
A. Garrido-Bigotes · P.M. Figueroa · C.R. Figueroa 101

Differential Response of First-Order Lateral Root Elongation to Low Potassium Involves Nitric Oxide in Two Tobacco Cultivars
W. Song · R. Xue · Y. Song · Y. Bi · Z. Liang · L. Meng · C. Dong · C. Wang · G. Liu · J. Dong · Y. Zhang 114

Auxin, Cytokinin, and Ethylene Involved in Rice N Availability Improvement Caused by Endophyte *Phomopsis liquidambari*
X. Li · J. Zhou · R.-S. Xu · M.-Y. Meng · X. Yu · C.-C. Dai 128

Proteomic Analysis Demonstrates that Elongation of Below-Ear Internodes in Maize is Related to Three Different Hormones
Z. Ma · Y. Chen · C. Sun · J. Jin · Z. Guo · Z. Fu 144

Overexpression of the Arginine Decarboxylase Gene Improves Tolerance to Salt Stress in *Lotus tenuis* Plants
F.D. Espasandin · P.I. Calzadilla · S.J. Maiale · O.A. Ruiz · P.A. Sansberro 156

A Novel Bixin Analogue for *Arabidopsis* and Rice with Superior Plant Growth-Promoting Activity
S. Liu · C. Yu · H. Tian · T. Hu · Y. He · Z. Li · W. Tan · L. Zhang · L. Duan 166

Deciphering the Mechanisms of Endophyte-Mediated Biofortification of Fe and Zn in Wheat

D. Singh · N. Geat · M.V.S. Rajawat · M.M. Mahajan · R. Prasanna · S. Singh · R. Kaushik · R.N. Singh · K. Kumar · A.K. Saxena 174

Transcriptome Approach to Understand the Potential Mechanisms Inhibiting or Triggering Blossom-End Rot Development in Tomato Fruit in Response to Plant Growth Regulators

S.T. de Freitas · F. Martinelli · B. Feng · N.F. Reitz · E.J. Mitcham 183

Biochemical and Physicochemical Background of Mammalian Androgen Activity in Winter Wheat Exposed to Low Temperature

A. Janeczko · J. Biesaga-Kościelniak · M. Dziurka · M. Filek · K. Hura · B. Jurczyk · M. Kula · J. Oklestkova · O. Novak · E. Rudolphi-Skórska · A. Skoczowski 199

A Transcriptomic Analysis Targeting Genes Involved in the Floral Transition of Winter-Flowering Chrysanthemum

P. Cheng · B. Dong · H. Wang · P. Cao · T. Liu · Y. Liu · J. Gao · Y. Liao · W. Fang · S. Chen · F. Chen · J. Jiang 220

Kinetin Regulates UV-B-Induced Damage to Growth, Photosystem II Photochemistry, and Nitrogen Metabolism in Tomato Seedlings

G. Bashri · M. Singh · R.K. Mishra · J. Kumar · V.P. Singh · S.M. Prasad 233

Regulation of NPA and ACC on H₂O₂-Induced Pea Primary Horizontal Bending Root

B. Li · Q. Cai · S. Ma · S. Li · X. Zhang · Y. Yu 246

Photosynthetic and Antioxidant Responses of *Jatropha curcas* Plants to Heat Stress: On the Relative Sensitivity of Shoots and Roots

E.N. Silva · J.A.G. Silveira · R.V. Ribeiro · J.É. Oliveira · R.A. Cardoso 255

Proteomics-Based Investigation of Salt-Responsive Mechanisms in Roots of *Bradyrhizobium japonicum*-Inoculated *Glycine max* and *Glycine soja* Seedlings

N. Meng · B.-J. Yu 266

Regulation of *Arabidopsis thaliana* Physiological Responses Through Exogenous Electrical Field Exposures with Common Lab Equipment

T. Haire · D. Patel · K. Patel · J. Jariwala · J. Laite · S. Lazar · A. Palmer 278

Castasterone and Citric Acid Supplementation Alleviates Cadmium Toxicity by Modifying Antioxidants and Organic Acids in *Brassica juncea*

R. Kaur · P. Yadav · A.K. Thukral · A. Sharma · R. Bhardwaj · M.N. Alyemeni · L. Wijaya · P. Ahmad 286

ABA and Shading Induce 'Bartlett' Pear Abscission and Inhibit Photosynthesis but Are Not Additive

T.C. Einhorn · M. Arrington 300

Modification of Osmolytes and Antioxidant Enzymes by 24-Epibrassinolide in Chickpea Seedlings Under Mercury (Hg) Toxicity

P. Ahmad · M.A. Ahanger · D. Egamberdieva · P. Alam · M.N. Alyemeni · M. Ashraf 309

Improving Seed Germination and Early Growth of Garden Cress (*Lepidium sativum*) and Basil (*Ocimum basilicum*) with Hydro-priming

S.A. Noorhosseini · N.K. Jokar · C.A. Damalas 323

SHORT COMMUNICATION

Cadmium Alters Mitochondrial Membrane Potential, Inhibits Electron Transport Chain Activity and Induces Callose Deposition in Rice Seedlings

R.K. Srivastava · R. Rajpoot · P. Pandey · A. Rani · R.S. Dubey 335

ERRATUM

Erratum to: Ethylene Controls Adventitious Root Initiation Sites in *Arabidopsis* Hypocotyls Independently of Strigolactones

A. Rasmussen · Y. Hu · T. Depaepe · F. Vandebussche · F.-D. Boyer · D. Van Der Straeten · D. Geelen 345