

ORIGINAL ARTICLES

**ABA Initiates Anthocyanin Production in Grape Cell Cultures**

S. Gagné · S. Cluzet · J.-M. Mérillon · L. Géný 1

**Effects of Plant Growth Regulators and Saccharide on In Vitro Plant and Tuberos Root Regeneration of Cassava (*Manihot esculenta* Crantz)**

M. Fan · Z. Liu · L. Zhou · T. Lin · Y. Liu · L. Luo 11

**Endogenous Auxin is Required but Supraoptimal for Rapid Growth of Rice (*Oryza sativa* L.) Seminal Roots, and Auxin Inhibition of Rice Seminal Root Growth is Not Caused by Ethylene**

C. Yin · Q. Wu · H. Zeng · K. Xia · J. Xu · R. Li 20

**Purification and Biochemical Characterization of Indole-3-acetyl-aspartic Acid Synthetase from Immature Seeds of Pea (*Pisum sativum*)**

M. Ostrowski · A. Jakubowska 30

**Photosynthetic Potential and its Association with Lipid Peroxidation in Response to High Temperature at Different Leaf Ages in Maize**

Z. Xu · G. Zhou · G. Han · Y. Li 41

***Ustilago maydis* Produces Cytokinins and Abscisic Acid for Potential Regulation of Tumor Formation in Maize**

S.A. Bruce · B.J. Saville · R.J. Neil Emery 51

**Ethylene is Involved in the Control of Male Gametophyte Development and Germination in *Petunia***

L.V. Kovaleva · A. Dobrovolskaya · A. Voronkov · V. Rakitin 64

**Hormonal Profile in Vegetative and Floral Buds of Azalea: Levels of Polyamines, Gibberellins, and Cytokinins**

M. Meijón · M.J. Cañal · H. Fernández · A. Rodríguez · B. Fernández · R. Rodríguez · I. Feito 74

**Cadmium Accumulation in Relation to Organic Acids and Nonprotein Thiols in Leaves of the Recently Found Cd Hyperaccumulator *Rorippa globosa* and the Cd-accumulating Plant *Rorippa islandica***

R. Sun · Q. Zhou · S. Wei 83

**Isopentenyl Transferase and Cytokinin Oxidase/Dehydrogenase Gene Family Members are Differentially Expressed During Pod and Seed Development in Rapid-cycling *Brassica***

D. O'Keefe · J. Song · P.E. Jameson 92

**Auxins or Sugars: What Makes the Difference in the Adventitious Rooting of Stored Carnation Cuttings?**

M.Á. Agulló-Antón · J. Sánchez-Bravo · M. Acosta · U. Druege 100

SHORT COMMUNICATION

**Direct Adventitious Shoot Formation from Apical Shoot Explants of *Euphorbia tirucalli***

G. Ma · J.A. Teixeira da Silva · G. Wu 114

**2010 Reviewer Thank You 117**

Further articles can be found at [www.springerlink.com](http://www.springerlink.com)

Instructions for Authors for *J Plant Growth Regul* are available at [www.springer.com/00344](http://www.springer.com/00344)