

Volume 171, issue 1, 1 January 2014, ISSN 0176-1617

Volume 171

1

2014

JOURNAL OF PLANT PHYSIOLOGY

Biochemistry, Physiology, Molecular Biology and Functional Biotechnology of Plants

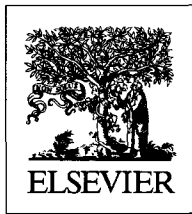


In Affiliation with FESPB

◆ www.elsevier.com/locate/jplph

Special issue: Salt stress resistance





Contents

Special issue: Salt stress resistance

Salt stress resistance—Multisite regulation in focus Ch. Wilhelm	1
Comparative transcriptome profiles of the <i>WRKY</i> gene family under control, hormone-treated, and drought conditions in near-isogenic rice lines reveal differential, tissue specific gene activation M. Nuruzzaman, A.M. Sharoni, K. Satoh, A. Kumar, H. Leung, S. Kikuchi	2
Germination of salt-stressed seeds as related to the ethylene biosynthesis ability in three <i>Stylosanthes</i> species P.O. Silva, E.F. Medina, R.S. Barros, D.M. Ribeiro	14
Dissipation of excess photosynthetic energy contributes to salinity tolerance: A comparative study of salt-tolerant <i>Ricinus communis</i> and salt-sensitive <i>Jatropha curcas</i> M.C. Lima Neto, A.K.M. Lobo, M.O. Martins, A.V. Fontenele, J.A.G. Silveira	23
Physiology and proteome responses of two contrasting rice mutants and their wild type parent under salt stress conditions at the vegetative stage A. Ghaffari, J. Gharechahi, B. Nakhoda, G.H. Salekdeh	31
Expression profiling of two stress-inducible genes encoding for miraculin-like proteins in citrus plants under insect infestation or salinity stress A. Podda, M. Simili, R. Del Carratore, W. Mouhaya, R. Morillon, B.E. Maserti	45
Osmotic stress alters the balance between organic and inorganic solutes in flax (<i>Linum usitatissimum</i>) A. Quérou, R. Molinié, R. Elboutachfai, E. Petit, C. Pau-Roblot, X. Guillot, F. Mesnard, J. Courtois	55
Strategies of ROS regulation and antioxidant defense during transition from C₃ to C₄ photosynthesis in the genus <i>Flaveria</i> under PEG-induced osmotic stress B. Uzilday, I. Turkan, R. Ozgur, A.H. Sekmen	65
Alleviation of salt stress in citrus seedlings inoculated with arbuscular mycorrhizal fungi depends on the rootstock salt tolerance J.M. Navarro, O. Pérez-Tornero, A. Morte	76

Table of Contents also available via e-mail by free-of-charge **ToC Alert Service**.
Register: www.elsevier.com/locate/jplph

Abstracted/Indexed in

Biochemistry & Biophysics Citation Index; Bioscience Information System (BIOSIS); CAB Abstracts; Cambridge Scientific Abstracts (CSA); Chemical Abstracts Service (CAS); Current Awareness in Biological Sciences (CABS); Current Contents/Life Sciences; Current Contents/Agriculture, Biology & Environmental Sciences; Engineering Information/Compendex (CPX); Food Science and Technology Abstracts (FSTA); MEDLINE; Reference Update; Research Alert; Science Citation Index; SciExpanded; SciSearch. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.