

GENETICS AND PLANT PHYSIOLOGY

Year 2014, Volume 4, Issue 1–2, Pages 01–128

Special Issue (Part 1)

Conference "Plant Physiology and Genetics –
Achievements and Challenges"

24-26 September 2014 – Sofia, Bulgaria

Available online at <http://www.ifrg-bg.com>

CONTENTS

<i>Hall M. A., I. Moshkov, G. Novikova, K. Hebelstrup, J. Mandon, S. Cristescu, F. Harren, L. A. J. Mur</i> Interactions between nitric oxide and ethylene in monomeric G-protein activation in relation to food spoilage	03–12
<i>Börner A., S. Landjeva, M. Nagel, M. A. Rehman Arif, M. Allam, M. Agacka, T. Doroszewska, U. Lohwasser</i> Plant genetic resources for food and agriculture (PGRFA) – Maintenance and research	13–21
<i>Lidon F. C., J. C. Ramalho, A. E. Leitão, M. M. A. Silva, I. P. Pais, F. H. Reboredo, M. F. Pessoa</i> UV-B irradiation in rice: A general glance about the control of oxidative burst within the chloroplast lamellae	22–31
<i>Feller U., I. I. Vaseva, B. Yuperlieva-Mateeva</i> Solute transport via xylem and phloem in two wheat genotypes differing in drought susceptibility	32–43
<i>Kolaksazov M., F. Laporte, V. Goltsev, M. Herzog, E. D. Ananiev</i> Effect of frost stress on chlorophyll <i>a</i> fluorescence and modulated 820 nm reflection in <i>Arabidopsis thaliana</i> population from Rila mountain	44–56
<i>Vaseva I., G. Zehirov, V. Stoychev, E. Kirova, L. Simova-Stoilova, J. Sabotič, J. Šuštar-Vozlič, V. Meglič, M. Kidrič</i> Semi-quantitative RT-PCR analysis of selected protease inhibitors in drought-stressed <i>Triticum aestivum</i>	57–67
<i>Landjeva S., A. Börner, T. Pshenichnikova, E. Khlestkina, T. Kartseva, U. Lohwasser</i> The genetic approach to physiological studies in bread wheat	68–79
<i>Chipilsky R., G. I. Georgiev</i> Physiological traits associated with canopy temperature depression in drought stressed bread wheat cultivars	80–90
<i>Stancheva I., Yu. Markovska, M. Geneva, I. Lazarova</i> Antioxidant responses to elevated levels of Cd and Pb in <i>Tribulus terrestris</i> plants	91–100
<i>Musaev F. B.</i> Assessment of seed heterogeneity in vegetable plants by X-ray diffraction	101–109
<i>Nikolova M., M. Dimitrova, K. Tasheva, R. Todorova, M. Dimitrova, G. Ravishankar, G. Kosturkova</i> Comparison of antiradical activity and total phenolic content in seeds of five soybean cultivars by applying different extraction solvents	110–116
<i>Babenko L. M., I. V. Kosakivska, Yu. A. Akimov, D. O. Klymchuk, T. D. Skaternya</i> Effect of temperature stresses on pigment content, lipoxygenase activity and cell ultrastructure of winter wheat seedlings	117–125
<i>Danailov Zh. P.</i> 110 th Anniversary of Prof. Hristo Daskalov – Member of the Bulgarian Academy of Sciences	126–128