

Surname / First name

DJILIANOV DIMITAR

E-mail

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Work experience

Dates	2000 - present
Occupation or position held	Head of group, AgroBioInstitute (ABI)
Main activities and responsibilities	Development and management of projects on plant biotech approaches in stress tolerance improvement; Coordinator of Bulgarian Biotechnology Information centre.
Dates	1995-1999
Occupation or position held	Head of group, Institute of Genetic Engineering (present ABI)
Main activities and responsibilities	Development and management of projects on plant biotech approaches in stress tolerance improvement;
Dates	1985-1994
Occupation or position held	Researcher, central Laboratory for Genetic Engineering (present ABI)r
Dates	1983-1985
Occupation or position held	Reseracher, Small fruits Experimental Station
Main activities and responsibilities	Genetics and breeding of small fruits

Education and training

Dates	1979-1982
Title of qualification awarded	PhD Thesis title: Genetics and breeding of powdery mildew resistance and other important parameters in strawberry hybrids
Dates	1973 - 1978
Title of qualification awarded	MSc of Plant Protection
Dates	November 2002 – August 2003
Principal subjects/Occupational skills covered	JSPS Fellowship; Plant molecular biology and physiology of stress tolerance
Dates	November 1997 – May 1998
Principal subjects/Occupational skills covered	Plant physiology, Physiology of plant hormones
Dates	November 1991 – October 1992
Principal subjects/Occupational skills covered	Physiology of bulb development, plant biotechnology

Selected projects

“Assessing and Monitoring the Impacts of Genetically modified plants on Agro-ecosystems” (AMIGA) – Large scale integrating project FP7- KBBE-2011-5; GA No. 289706; starting date December 2011

COST Action FA0901: Putting Halophytes to Work - From Genes to Ecosystems”

COST Action FA0603 : Plant Proteomics in Europe

Publications: more than 60

Selected publications:

Mladenov P., Zasheva D., Djilianov D., Tchordadjieva M. (2015) Towards proteomics of desiccation tolerance in the resurrection plant *Haberlea rhodopensis*. Comptes rendus de l'Academie Bulgare des Sciences. 68, 1, 59-64.

Moyankova D., Hinkov A., Georgieva D., Shishkov S., Djilianov D. (2014) Inhibitory effect of extracts from *Haberlea rhodopensis* Friv. against herpes simplex virus. Comptes rendus de l'Academie Bulgare des Sciences 67, (10): 1369-1376.

Moyankova D., Mladenov P., Berkov S., Peshev D., Georgieva D., Djilianov D. (2014) Metabolic profiling of the resurrection plant *Haberlea rhodopensis* during desiccation and recovery. Physiologia Plantarum 152 (4): 675–687.

Moyankova D., Lyubenova A., Slavov S., Djilianov D., 2014, Extracts of the endemic resurrection plant *Haberlea rhodopensis* stimulate in vitro growth of various *Phytophthora* spp. pathogens. European Journal of Plant Pathology 138 (1), 149-155.

Petrova G., Dzhambazova T., Moyankova D., Georgieva D., Michova A., Djilianov D., Möller M., 2014, Morphological variation, genetic diversity and genome size of critically endangered *Haberlea* (Gesneriaceae) populations in Bulgaria do not support the recognition of two different species. Plant Systematics and Evolution 300 (1), 29-41.

Petrova G., Djilianov D. (2013) *Agrobacterium*-mediated genetic transformation of the resurrection plant *Haberlea rhodopensis* Friv. Bulgarian Journal of Agricultural Science 19, 2, 10-14.

Mladenov P., Zasheva D., Christov N., Peshev D., Rolland N., Tchordadjieva M., Djilianov D. (2013) Sub-cellular fractionation and gel-based proteomics of *Haberlea rhodopensis*: a promising approach to open the black box of resurrection plants. Bulgarian Journal of Agricultural Science 19, 2, 22-25.

Hayrabedyan S., Todorova K., Zasheva D., Moyankova D., Georgieva D., Todorova J., Djilianov D. (2013) *Haberlea rhodopensis* has potential as a new drug source based on its broad biological modalities. Biotechnology & Biotechnological Equipment 27, 1, 3553-3560.

Doltchinkova V., Stroh P., Ivanova E., Djilianov D., Moyankova D., Konstantinova T., Atanasov A. (2013) Surface electric charge of thylakoid membranes from genetically modified tobacco plants under freezing stress. Journal of Photochemistry and Photobiology B: Biology 119, 2, 22–30.

Djilianov D., Dobrev P., Moyankova D., Vankova R., Georgieva D., Gajdošová S., Motyka V. (2013) Dynamics of endogenous phytohormones during desiccation and recovery of the resurrection plant species *Haberlea rhodopensis*. Journal of Plant Growth Regulation, 32, 3, 564-574.

Moyankova D., Georgieva D., Batchvarova R., Slavov S., Djilianov D. (2013) Effect of extracts from the resurrection plant *Haberlea rhodopensis* on in vitro growth of plant pathogens. Comptes rendus de l'Académie bulgare des Sciences. 66, 9, 1269-1272.

Shopova E., Ivanov S., Brankova L., Moyankova D., Georgieva D., Polizoev D., Djilianov D. (2013) Antioxidants and phenols in herbal teas from the Bulgarian market. Biotechnology & Biotechnological Equipment Health/Web Ahead, DOI 10.5504/BBEQ/WA.2012.0002.

Georgieva T., Christov N., Djilianov D. (2012) Identification of desiccation-regulated genes by cDNA-AFLP in *Haberlea rhodopensis* – a resurrection plant. Acta Physiologia Plantarum 34, 3, 1055-1066

Dinakar C., Djilianov D., Bartels D. (2012) Photosynthesis in desiccation tolerant plants: Energy metabolism and antioxidative stress defense Plant Science, 812, 1, 29-41.

Djilianov D., Ivanov S., Moyankova D., Miteva L., Kirova E., Alexieva V., Joudi M., Peshev D., Van den Ende W. (2011) Sugar ratios, glutathione redox status and phenols in the resurrection species *Haberlea rhodopensis* and the closely related non-resurrection species *Chirita eberhardtii* Plant Biology 13 767–776.

- Berkov S., Nikolova M., Hristozova N., Momekov G., Ionkova I., Djilianov D. (2011) GC–MS profiling of bioactive extracts from *Haberlea rhodopensis*: an endemic resurrection plant. J. Serb. Chem. Soc. 76 (2) 211–220.
- Petrova G., Tosheva A., Mladenov P., Moyankova D., Djilianov D. (2010) *Ex situ* collection of model resurrection plant *Haberlea rhodopensis* as a prerequisite for biodiversity and conservation studies. Biotechnology & Biotechnol. Eq., 24, 3, 1955-1960.
- Djilianov D., Ivanov S., Georgieva T., Moyankova D., Berkov S., Petrova G., Mladenov P., Christov N., Hristozova N., Peshev D., Tchordadjieva M., Alexieva V., Tosheva A., Nikolova M., Ionkova I., Van den Ende W. (2009) A holistic approach to resurrection plants. *Haberlea rhodopensis* – a case study. Biotechnol. & Biotechnol. Eq., 23(4), 1414-1416.
- Ionkova I., Ninov S., Antonova I., Moyankova D., Georgieva T., Djilianov D. DPPH radical scavenging activity of *in vitro* regenerated *Haberlea rhodopensis* Friv. Plants. Pharmazija, 2009, LV, 1-4, 22-25.
- Atanassov A., Batchvarova R., Djilianov D. 2007 Strategic vision for plant biotechnology and genomics development. Biotechnology & Biotechnology Equipment 21/2007/1 1-7.
- Toldi O, Djilianov D, Scott P, (2006): Transgenic Approach for Functional Analysis of Genes Associated with Desiccation Tolerance in Resurrection Plants. In: Jaime A. Teixeira da Silva (ed) "Floriculture, Ornamental and Plant Biotechnology" Volume III, Global Science Books, UK. Pp 209-216.
- Brosché M., Vinocur B., Alatalo E., Lamminmäki A., Teichmann T., Ottow E., Djilianov D., Afif D., Bogeat-Triboulot M.-B., Altman A., Polle A., Dreyer E., Rudd S., Paulin L., Auvinen P., Kangasjärvi J. 2005 Gene expression and metabolite profiling of *Populus euphratica* growing in the Negev desert; Genome Biology, 6:R101 doi:10.1186/gb-6-12-r101
- Djilianov D., Georgieva T., Moyankova D., Atanassov A., Shinozaki K., Smeekens S.C.M., Verma D.P.S., Murata N. 2005 Improved abiotic stress tolerance in plants by accumulation of osmoprotectants – gene transfer approach. Biotechnology & Biotechnology Equipment 19, 3 Special Issue 63-72.
- Djilianov D., Genova G., Parvanova D., Zapryanova N., Konstantinova T., Atanassov A. 2005 In vitro culture of the resurrection plant *Haberlea rhodopensis* Plant Cell, Tissue and Organ Culture 80: 115–118.
- Djilianov D. and Atanassov A. (2004) Plant Biotechnology for Food and Environment Sustainability. Ecological Engineering and Environment Protection; 3, 1, 5-8.
- Djilianov D., Georgieva M., Konstantinova T., Parvanova D. 2004 Screening of Bulgarian raspberry cultivars and elites for osmotic tolerance in vitro; Biotechnology & Biotechnology Equipment 18, 2, 95-99.
- Georgieva M., Djilianov D., Kondakova V., Boicheva R., Konstantinova T., Parvanova D. 2004 Regeneration from leaf explants of Bulgarian raspberry cultivars and elites; Biotechnology & Biotechnology Equipment 18, 2, 8-15.
- Parvanova D., Popova A., Zaharieva I., Lambrev P., Konstantinova T., Taneva S., Atanassov A., Goltsev V., Djilianov D. 2004 Low temperature tolerance of tobacco plants transformed to accumulate proline, fructans or glycine betaine. Variable chlorophyll fluorescence evidence Photosynthetica 42 (2):179-185.
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