СПИСЪК НА НАУЧНИ ПУБЛИКАЦИИ

на гл. ас. д-р Гергана Кирилова Михайлова

№	Публикация	Квартил (Scopus)	JCR IF (WoS)
1	Peli E, Mihailova G, Petkova S, Georgieva K. **2008**. Root respiration in whole *Haberlea rhodopensis* Friv. plants during desiccation and rehydration. *Acta Biologica Szegediensis*, *52*(1), 115-117. https://abs.bibl.u-szeged.hu/index.php/abs/article/view/2599/2591	Q3 (SJR)	—
2* Д	**Mihailova G**, Petkova S, Georgieva K. **2009**. Changes in some antioxidant enzyme activities in *Haberlea rhodopensis* during desiccation at high temperature. *Biotechnology & Biotechnological Equipment*, *23*(sup1), 561-564. https://doi.org/10.1080/13102818.2009.10818487	Q4	0.291
3* Д	**Mihailova G**, Petkova S, Stefanov D, Georgieva K. **2009**. Light dependence of photosynthetic oxygen evolution of *Haberlea rhodopensis* desiccated at high temperature. *General and Applied Plant Physiology*, *35*(3/4), 111-116. http://www.bio21.bas.bg/ippg/bg/wp-content/uploads/2011/06/GAPP_v35_3-4_111-116.pdf	—	—
4* Д	**Mihailova G**, Petkova S, Büchel C, Georgieva K. **2011**. Desiccation of the resurrection plant *Haberlea rhodopensis* at high temperature. *Photosynthesis Research*, *108*, 5-13. https://doi.org/10.1007/s11120-011-9644-2	Q1	3.243
5	Péli ER, **Mihailova G**, Petkova S, Tuba Z, Georgieva K. **2012**. Differences in physiological adaptation of *Haberlea rhodopensis* Friv. leaves and roots during dehydration–rehydration cycle. *Acta Physiologiae Plantarum*, *34*, 947-955. https://doi.org/10.1007/s11738-011-0891-9	Q2	1.305
6	Georgieva K, Doncheva S, **Mihailova G**, Petkova S. **2012**. Response of sun- and shade-adapted plants of *Haberlea rhodopensis* to desiccation. *Plant Growth Regulation*, *67*, 121-132. https://doi.org/10.1007/s10725-012-9669-3	Q1	1.670
7	Georgieva K, **Mihailova G**, Petkova S. **2012**. Photochemical efficiency of Photosystem II during desiccation of shade- and sun-adapted plants of *Haberlea rhodopensis*. *Comptes rendus de l'Académie bulgare des Sciences*, *65*(5), 631-638.	Q2	0.211
8	Velitchkova M, Lazarova D, **Mihailova G**, Stanoeva D, Dolchinkova V, Georgieva K. **2013**. Characterization of energy transfer processes and flash oxygen yields of thyalakoid membranes isolated from resurrection plant *Haberlea rhodopensis* subjected to different extent of desiccation. *In*: Photosynthesis: Research for Food, Fuel and Future - 15th International Conference on Photosynthesis. Kuang T, Zhang L, Lu C (Eds.). 531-535. http://dx.doi.org/10.1007/978-3-642-32034-7_112	—	—
9	Georgieva K, Doncheva S, **Mihailova G**, Petkova S. **2013**. Effect of light on the photosynthetic activity during desiccation of the resurrection plant *Haberlea rhodopensis*. *In*: Photosynthesis: Research for Food, Fuel and	—	—

	Future - 15th International Conference on Photosynthesis. Kuang T, Zhang L, Lu C (Eds.). 536-539. http://dx.doi.org/10.1007/978-3-642-32034-7_113		
10* Д	**Mihailova G**, Petkova S, Stefanov D, Georgieva K. **2013**. Effect of desiccation of the resurrection plant *Haberlea rhodopensis* at high temperature on the photochemical activity of PSI and PSII. *In*: Photosynthesis: Research for Food, Fuel and Future - 15th International Conference on Photosynthesis. Kuang T, Zhang L, Lu C (Eds.). 540-543. http://dx.doi.org/10.1007/978-3-642-32034-7_114	—	—
11	Velitchkova M, Doltchinkova V, Lazarova D, **Mihailova G**, Doncheva S, Georgieva K. **2013**. Effect of high temperature on dehydration-induced alterations in photosynthetic characteristics of the resurrection plant *Haberlea rhodopensis*. *Photosynthetica*, *51*(4), 630-640. http://dx.doi.org/10.1007/s11099-013-0063-9	Q2	1.007
12	Solti A, Lenk S, **Mihailova G**, Mayer P, Barócsi A, Georgieva K. **2014**. Effects of habitat light conditions on the excitation quenching pathways in desiccating *Haberlea rhodopensis* leaves: an Intelligent FluoroSensor study. *Journal of Photochemistry and Photobiology B: Biology*, *130*, 217-225. http://dx.doi.org/10.1016/j.jphotobiol.2013.11.016	Q1	2.960
13	Sárvári É, **Mihailova G**, Solti Á, Keresztes Á, Velitchkova M, Georgieva K. **2014**. Comparison of thylakoid structure and organization in sun and shade *Haberlea rhodopensis* populations under desiccation and rehydration. *Journal of Plant Physiology*, *171*(17), 1591-1600. http://dx.doi.org/10.1016/j.jplph.2014.07.015	Q1	2.557
14	Solti Á, **Mihailova G**, Sárvári É, Georgieva K. **2014**. Antioxidative defence mechanisms contributes to desiccation tolerance in *Haberlea rhodopensis* population naturally exposed to high irradiation. *Acta Biologica Szegediensis*, *58*(1), 11-14. https://abs.bibl.u-szeged.hu/index.php/abs/article/view/2811/2803	Q3 (SJR)	—
15	Assenov B, Georgieva K, **Mihailova G**, Zagorchev L, Odjakova M, AbuMhadi N, Christov N, Valcheva D, Valchev D, Todorovska E. **2014**. Physiological, biochemical and molecular studies on salt tolerance of Bulgarian 6-row barley cultivars. *Scientific works of the Institute of Agriculture–Karnobat*, *3*(1), 45-54. http://www.iz-karnobat.com/wp-content/uploads/2016/10/4.Assenov-Physiological.pdf	—	—
16*	**Mihailova G**, Velitchkova M, Doltchinkova V, Lazarova D, Georgieva K. **2015**. Photosynthetic characteristics of the resurrection plant *Haberlea rhodopensis* from two habitats. *Genetics and Plant Physiology*, *5*(1), 74-85. http://www.bio21.bas.bg/ippg/bg/wp-content/uploads/2015/04/GPP_5_1_2015_74-85.pdf	—	—
17	Rapparini F, Neri L, **Mihailova G**., Petkova S, Georgieva K. **2015**. Growth irradiance affects the photoprotective mechanisms of the resurrection angiosperm *Haberlea rhodopensis* Friv. in response to desiccation and rehydration at morphological, physiological and biochemical levels. *Environmental and Experimental Botany*, 113, 67-79. https://doi.org/10.1016/j.envexpbot.2015.01.007	Q1	3.712
18	Georgieva K, **Mihailova G**. **2016**. Drought Tolerance of Photosynthesis. *In*: Handbook of photosynthesis, Pessarakli M (Ed.), Third edition, CRC Press,	—	—

	Taylor & Francis Group, 683-696. https://www.taylorfrancis.com/chapters/edit/10.1201/9781315372136-37/drought-tolerance-photosynthesis-katya-georgieva-gergana-mihailova		
19*	**Mihailova G,** Büchel C, Dietzel L, Georgieva K. **2016**. Desiccation induced changes in photosynthesis related proteins of shade and sun *Haberlea rhodopensis* plants. *Comptes rendus de l'Académie bulgare des Sciences*, *69*(1), 2016, 37-44**.**	Q3	0.251
20	Georgieva K, Rapparini F, Bertazza G, **Mihailova G**, Sárvári É, Solti Á, Keresztes Á. **2017**. Alterations in the sugar metabolism and in the vacuolar system of mesophyll cells contribute to the desiccation tolerance of *Haberlea rhodopensis* ecotypes. *Protoplasma*, *254*(1), 193-201. https://doi.org/10.1007/s00709-015-0932-0	Q1	2.457
21*	**Mihailova G**, Abakumov D, Büchel C, Dietzel L, Georgieva K. **2017**. Drought-responsive gene expression in sun and shade plants of *Haberlea rhodopensis* under controlled environment. *Plant Molecular Biology Reporter*, *35*, 313-322. https://doi.org/10.1007/s11105-017-1025-3	Q1	1.844
22	Georgieva K, Dagnon S, Gesheva E, Bojilov D, **Mihailova G**, Doncheva S. **2017**. Antioxidant defense during desiccation of the resurrection plant *Haberlea rhodopensis*. *Plant Physiology and Biochemistry*, *114*, 51-59. https://doi.org/10.1016/j.plaphy.2017.02.021	Q1	2.718
23*	**Mihailova G,** Kocheva K, Goltsev V, Kalaji HM, Georgieva K. **2018**. Application of a diffusion model to measure ion leakage of resurrection plant leaves undergoing desiccation. *Plant Physiology and Biochemistry*, *125*, 185-192. https://doi.org/10.1016/j.plaphy.2018.02.008	Q1	3.404
24	Doltchinkova V, Andreeva T, Georgieva K, **Mihailova G**, Balashev K. **2019**. Desiccation-induced alterations in surface topography of thylakoids from resurrection plant *Haberlea rhodopensis* studied by atomic force microscopy, electrokinetic and optical measurements. *Physiologia Plantarum*, *166*(2), 585-595. https://doi.org/10.1111/ppl.12807	Q1	4.148
25*	**Mihailova G**, Stoyanova Z, Rodeva R, Bankina B, Bimsteine G, Georgieva K. **2019**. Physiological changes in winter wheat genotypes in response to the *Zymoseptoria tritici* infection. *Photosynthetica*, *57*(2), 428-437. https://doi.org/10.32615/ps.2019.054	Q1	2.562
26*	**Mihailova G**, Solti Á, Sárvári É, Keresztes Á, Rapparini F, Velitchkova M, Simova-Stoilova L, Aleksandrov V, Georgieva K. **2020**. Freezing tolerance of photosynthetic apparatus in the homoiochlorophyllous resurrection plant *Haberlea rhodopensis*. *Environmental and Experimental Botany*, *178*, 104157. https://doi.org/10.1016/j.envexpbot.2020.104157	Q1	5.545
27	Georgieva K, **Mihailova G**, Velitchkova M, Popova A. **2020**. Recovery of photosynthetic activity of resurrection plant *Haberlea rhodopensis* from drought-and freezing-induced desiccation. *Photosynyhetica*, *58*(4), 911-921. https://doi.org/10.32615/ps.2020.044	Q1	3.189
28	Chipilski R, Uhr Z, Dimitrov E, **Mihailova G**, Georgieva K. **2020**. Drought tolerance of two Bulgarian winter common wheat cultivars. Proceedings of II. International, Agricultural, Biological & Life Science Conference (AGBIOL 2020), 958-967. ISBN 978-975-374-279-5	—	—

	https://www.researchgate.net/publication/346486766_DROUGHT_TOLERANCE_OF_TWO_BULGARIAN_WINTER_COMMON_WHEAT_CULTIVARS		
29	Georgieva K, **Mihailova G**, Gigova L, Dagnon S, Simova-Stoilova L, Velitchkova M. **2021**. The role of antioxidant defense in freezing tolerance of resurrection plant *Haberlea rhodopensis*. *Physiology and Molecular Biology of Plants*, *27*(5), 1119-1133. https://doi.org/10.1007/s12298-021-00998-0	Q2	3.023
30	Popova AV, Borisova P, **Mihailova G**, Georgieva K. **2022**. Antioxidative response of *Arabidopsis thaliana* to combined action of low temperature and high light illumination when lutein is missing. *Acta Physiologiae Plantarum*, *44*, 10. https://doi.org/10.1007/s11738-021-03342-x	Q2	2.6
31	Georgieva K, Popova AV, **Mihailova G**, Ivanov AG, Velitchkova M. **2022**. Limiting steps and the contribution of alternative electron flow pathways in the recovery of the photosynthetic functions after freezing-induced desiccation of *Haberlea rhodopensis*. *Photosynthetica*, *60*(1), 136-146. https://doi.org/10.32615/ps.2022.008	Q2	2.7
32	Popova AV, Vladkova R, Borisova P, Georgieva K, **Mihailova G**, Velikova V, Tsonev T, Ivanov AG. **2022**. Photosynthetic response of lutein-deficient mutant lut2 of *Arabidopsis thaliana* to low-temperature at high-light. *Photosynthetica*, *60*(1), 110-120. https://doi.org/10.32615/ps.2022.009	Q2	2.7
33*	**Mihailova G**, Vasileva I, Gigova L, Gesheva E, Simova-Stoilova L, Georgieva K. **2022**. Antioxidant defense during recovery of resurrection plant Haberlea rhodopensis from drought-and freezing-induced desiccation. *Plants*, *11*(2), 175. https://doi.org/10.3390/plants11020175	Q1	4.5
34*	**Mihailova G**, Christov NK, Sárvári É, Solti Á, Hembrom R, Solymosi K, Keresztes Á, Velitchkova M, Popova AV, Simova-Stoilova L, Todorovska E**,** Georgieva K. **2022**. Reactivation of the photosynthetic apparatus of resurrection plant *Haberlea rhodopensis* during the early phase of recovery from drought-and freezing-induced desiccation. *Plants*, *11*(17), 2185. https://doi.org/10.3390/plants11172185	Q1	4.5
35	Georgieva K, **Mihailova G**, Fernández-Marín B, Bertazza G, Govoni A, Arzac MI, Laza JM, Vilas JL, García-Plazaola JI, Rapparini F. **2022**. Protective strategies of *Haberlea rhodopensis* for acquisition of freezing tolerance: Interaction between dehydration and low temperature. *International Journal of Molecular Sciences*, *23*(23), 15050. https://doi.org/10.3390/ijms232315050	Q1	5.6
36*	**Mihailova G**, Solti Á, Sárvári É, Hunyadi-Gulyás É, Georgieva K. **2023**. Protein changes in shade and sun *Haberlea rhodopensis* leaves during dehydration at optimal and low temperatures. *Plants*, *12*(2), 401. https://doi.org/10.3390/plants12020401	Q1	4
37*	**Mihailova G**, Tchorbadjieva M, Rakleova G, Georgieva K. **2023**. Differential accumulation of sHSPs isoforms during desiccation of the resurrection plant *Haberlea rhodopensis* Friv. under optimal and high temperature. *Life*, *13*(1), 238. https://doi.org/10.3390/life13010238	Q1	3.2
38*	**Mihailova G**, Gashi B, Krastev N, Georgieva K. **2023**. Acquisition of freezing tolerance of resurrection species from Gesneriaceae, a comparative study. *Plants*, *12*(9), 1893. https://doi.org/10.3390/plants12091893	Q1	4

39*	Popova AV, **Mihailova G**, Geneva M, Peeva V, Kirova E, Sichanova M, Dobrikova A, Georgieva K. **2023**. Different responses to water deficit of two common winter wheat varieties: physiological and biochemical characteristics. *Plants*, *12*(12), 2239. https://doi.org/10.3390/plants12122239	Q1	4
40	Kumanova E, **Mihailova G**, Todorovska EG, Georgieva K, Tsonev S, Christov NK. **2023**. Oligo-dT anchored cDNA-SRAP and cDNA-SCoT aided identification of transcripts differentially expressed during the early stages of recovery of resurrection plant *Haberlea rhodopensis* Friv. from freezing-induced desiccation. *Biotechnology & Biotechnological Equipment*, *37*(1), 2229450**.** https://doi.org/10.1080/13102818.2023.2229450	Q3	1.5
41	Georgieva K, **Mihailova G**, Gigova L, Popova AV, Velitchkova M, Simova-Stoilova L, Sági-Kazár M, Zelenyánszki H, Solymosi K, Solti Á. **2023**. Antioxidative defense, suppressed nitric oxide accumulation, and synthesis of protective proteins in roots and leaves contribute to the desiccation tolerance of the resurrection plant *Haberlea rhodopensis*. *Plants*, *12*(15), 2834. https://doi.org/10.3390/plants12152834	Q1	4
42	Illés L, Sági-Kazár M, Steinbach F, Hembrom R, **Mihailova G**, Georgieva K, Solymosi K, Barócsi A, Solti Á, Lenk S. **2024**. Fluorescence lifetime of plant leaves with sub-nanosecond resolution. *Measurement Science and Technology*, *35*(8), 085206. http://doi.org/10.1088/1361-6501/ad49c1	Q2 (2023)	2.7
43	Popova AV, Stefanov M, **Mihailova G**, Borisova P, Georgieva K. **2024**. Response of tomato plants, *Ailsa Craig* and carotenoid mutant *tangerine*, to simultaneous treatment by low light and low temperature. *Plants*, *13*(14), 1929. https://doi.org/10.3390/plants13141929	Q1 (2023)	4

Д – Публикации, включени в дисертацията за придобиване на ОНС „доктор“

* – Първи или кореспондиращ автор

СПРАВКА

към списъка на научните публикации на гл. ас. д-р Гергана Кирилова Михайлова

Тип научна публикации:

Експериментална: **42** публикации

Глава от книга (обзор): **1** публикация (№ 18)

Публикации, включени в дисертацията – № 2–4, 10

Първи и/или кореспондиращ автор – № 2–4, 10, 16, 19, 21, 23, 25, 26, 33, 34, 36–39

Разпределение на публикациите по квартили (https://www.scimagojr.com/):

Q1 – **22** публикации

Q2 – **8** публикации

Q3 – **2** публикации

Q4 – **1** публикация

Научни публикации, непопадащи в квартил, но индексирани в Scopus – 4 (№ 8, 9, 10, 18)
Научни публикации без IF, индексирани в Scopus, но с SJR – 2 (№ 1, 14)
Научни публикации в рецензирани списания, неиндексирани в WoS и Scopus – 4 (№ 3, 15, 16, 28)

Сума от **JCR IF** според годината на публикуване:

Списание	**Брой статии**	**№ от списъка**	**Сума от JCR IF**
Acta Biologica Szegediensis	2	1, 14	–
Acta Physiologiae Plantarum	2	5, 30	3.905
AGBIOL 2020	1	28	–
Biotechnology & Biotechnological Equipment	2	2*, 40	1.791
Comptes rendus de l'Académie bulgare des Sciences	2	7, 19	0.462
Environmental and Experimental Botany	2	17, 26*	9.257
General and Applied Plant Physiology	1	3*	–
Genetics and Plant Physiology	1	16*	–
Handbook of Photosynthesis	1	18	–
International Journal of Molecular Sciences	1	35	5.6
Journal of Photochemistry and Photobiology B: Biology	1	12	2.960
Journal of Plant Physiology	1	13	2.557
Life	1	37*	3.2
Measurement Science and Technology	1	42	2.7
Photosynthesis: Research for Food, Fuel and Future	3	8, 9, 10*	–
Photosynthesis Research	1	4*	3.243
Photosynthetica	5	11, 25*, 27, 31, 32	12.158
Physiologia Plantarum	1	24	4.148
Physiology and Molecular Biology of Plants	1	29	3.023
Plant Molecular Biology Reporter	1	21*	1.844
Plant Growth Regulation	1	6	1.670
Plant Physiology and Biochemistry	2	22, 23*	6.122
Plants	7	33*, 34*, 36*, 38*, 39*, 41, 43	29
Protoplasma	1	20	2.457
Scientific works of the Institute of Agriculture	1	15	–
		IF:	**96.097**

Септември 2024 г. /Гергана Михайлова/