СПИСЪК НА НАУЧНИ ПУБЛИКАЦИИ

за участие в конкурс за заемане на академична длъжност „професор"
по професионално направление 4.3. Биологически науки,
специалност „Физиология на растенията",
обявен от ИФРГ – БАН в ДВ бр. 12/09-02-2024 г.

доц. д-р Искрен Георгиев Сергиев

№	Група	Публикация	Квартил (Scopus)	IF (WoS JCR)	Точки
01*	В4-01	Sergiev I., V. Alexieva, S. Ivanov, I. Moskova, E. Karanov (2006) The phenylurea cytokinin 4PU-30 protects maize plants against glyphosate action. *Pesticide Biochemistry and Physiology*, 85, 139-146.	Q2	1.189	20
02*	Г7-01	Sergiev I., D. Todorova, M. Somleva, V. Alexieva, E. Karanov, E. Stanoeva, V. Lachkova, A. Smith, M. Hall (2007) Influence of cytokinins and novel cytokinin antagonists on the senescence of detached leaves of *Arabidopsis thaliana* (L.) Heynh. *Biologia Plantarum*, 51(2), 377-380.	Q1	1.259	25
03	Г7-02	Todorova D., I. Sergiev, V. Alexieva, E. Karanov, A. Smith, M. Hall (2007) Polyamine content in *Arabidopsis thaliana* (L.) Heynh during recovery after low and high temperature treatments. *Plant Growth Regulation*, 51, 185-191.	Q2	1.024	20
04	В4-02	Moskova I., D. Todorova, V. Alexieva, I. Sergiev (2007) Hydrogen peroxide pretreatment alleviates paraquat injuries in pea (*Pisum sativum* L.). *Compt. Rend. Acad. Bulg. Sci*., 60(10), 1101-1106.	Q4	0.106	12
05	Г8-01	Todorova D., I. Moskova, I. Sergiev, V. Alexieva, S. Mapelli (2008) Changes in endogenous polyamines and some stress markers content induced by drought, 4PU-30 and abscisic acid in wheat plants. In: Abiotic stress and plant responses. Nafees A. Khan, Sarvajeet Singh (Eds.), I. K. International Publishing House Pvt. Ltd., ISBN 978-81-89866-95-2, Chapter 11, pp. 205-215.	–	–	15
06	В4-03	Moskova I., D. Todorova, V. Alexieva, S. Ivanov, I. Sergiev (2009) Effect of exogenous hydrogen peroxide on enzymatic and nonenzymatic antioxidants in leaves of young pea plants treated with paraquat. *Plant Growth Regulation*, 57(2), 193-202.	Q1	1.530	25
07	Г7-03	Moskova I., D. Todorova, V. Alexieva, I. Sergiev (2011) Leaf morphology and histology changes of pea plants treated with hydrogen peroxide and paraquat. *Compt. Rend. Acad. Bulg. Sci*., 64(12), 1695-1700.	Q2	0.210	20
08	Г7-04	Todorova D., I. Sergiev, I. Moskova, V. Alexieva, M. Hall (2012) Oxidative stress provoked by low and high temperatures in wild type and ethylene-insensitive	Q4	0.146	12

		mutant eti5 of *Arabidopsis thaliana*. *Oxidation Communications*, 35(3), 651-661.			
09	Г7-05	Todorova D., I. Sergiev, V. Alexieva (2012) Application of natural and synthetic polyamines as growth regulators to improve the freezing tolerance of winter wheat (*Triticum aestivum* L.). *Acta Agronomica Hungarica*, 60(1), 1-10.	Q3	–	10
10	Г8-02	Todorova D., Z. Katerova, I. Sergiev, V. Alexieva (2013) Role of polyamines in alleviating salt stress. In: Ecophysiology and responses of plants under salt stress, (Eds. Parvaiz Ahmad, MM Azooz, MNV Prasad) Springer Science+Business Media, New York, USA, ISBN 978-1-4614-4747-4. Chapter 13. pp. 355-379.	–	–	15
11	Г7-06	Ivanov S., E. Shopova, P. Kerchev, I. Sergiev, L. Miteva, D. Polizoev, V. Alexieva (2013) Long-term impact of sublethal atrazine perturbs the redox homeostasis in pea (*Pisum sativum* L.) plants. *Protoplasma*, 250, 95–102.	Q1	3.171	25
12	Г8-03	Todorova D., Z. Katerova, I. Sergiev, V. Alexieva (2014) Polyamines - Involvement in plant stress tolerance and adaptation. In: Plant adaptation to environmental change, (Eds. NA Anjun, SS Gill, R Gill) CAB International, ISBN 978-1-78064-273-4. Chapter 11. pp. 194-221.	–	–	15
13*	Г7-07	Sergiev I., Todorova D., Shopova E., Jankauskiene J., Jankovska-Bortkevic E., Jurkoniene S. (2018) - Effects of auxin analogues and heat stress on garden pea. *Zemdirbyste-Agriculture*, 105, 3, 243-248.	Q2	1.020	20
14*	Г7-08	Sergiev I., Todorova D., Shopova E., Jankauskiene J., Jankovska-Bortkevic E., Jurkoniene S. (2019) - Exogenous auxin type compounds amend PEG-induced physiological responses of pea plants. *Scientia Horticulturae*, 248, 200-205.	Q1	2.769	25
15*	Г7-09	Moskova I., Dikova B., Balacheva E., Sergiev I. (2020) Protective effect of plant growth regulators MEIA and 4PU-30 against Tomato spotted wilt virus (TSWV) on two tomato genotypes. *Compt. Rend. Acad. Bulg. Sci.*, 73, 11, 1538-1544.	Q2	0.378	20
16*	Г7-10	Sergiev I., Todorova D., Shopova E., Brankova L., Jankauskiene J., Jurkoniene S., Gaveliene V., Mockeviciute R. (2020) Assessment of synthetic auxin type compounds as potential modulators of herbicide action in *Pisum sativum* L. *Biologia*, 75, 1845-1853.	Q3	1.350	15
17*	Г7-11	Todorova D., Sergiev I., Shopova E., Brankova L., Jankauskiene J., Jurkoniene S., Gaveliene V., Mockevičiūtė R. (2021) Physiological responses of pea plants to treatment with synthetic auxins and auxin-type herbicide. *Botanica*, 27, 2, 125-133.	Q4	–	10

18*	Г7-12	Moskova I., Sergiev I., Kirova E., Dikova B. (2021) Effects of triacontanol on pepper plants infected with tomato spotted wilt virus (TSWV). *Compt. Rend. Acad. Bulg. Sci.*, 74, 7, 1091-1097.	Q3	0.329	15
19	Г7-13	Todorova D., Katerova Z., Shopova E., Brankova L., Sergiev I., Jankauskienė J., Jurkonienė S. (2022) The physiological responses of wheat and maize seedlings grown under water deficit are modulated by pre-application of auxin-type plant growth regulators. *Plants*, 11, 23, 3251-3261.	Q1	4.500	25
20*	В4-04	Todorova D., Aleksandrov V., Anev S., Sergiev I. (2022) Photosynthesis alterations in wheat plants induced by herbicide, soil drought or flooding. *Agronomy*, 12, 390.	Q1	3.700	25
21*	В4-05	Todorova D., Aleksandrov V., Anev S., Sergiev I. (2023) Comparative study of photosynthesis performance of herbicide-treated young triticale plants during drought and waterlogging stress. *Agronomy*, 13, 8, 1-14.	Q1	3.700	25

* – Първи или кореспондиращ автор.

СПРАВКА

към списъка на научните публикации на доц. д-р Искрен Георгиев Сергиев
за участие в конкурс за заемане на академична длъжност „професор"

Общ брой публикации за участие в конкурса: **21** публикации

Тип научни публикации:

Научна статия: **18** публикации
Глава от книга: **3** публикации

Разпределение на публикациите по квартили (Scopus SJR):

Q1: **7** публикации
Q2: **5** публикации
Q3: **3** публикации
Q4: **3** публикации
- -: **3** глави от книги

Списък с автори:

Първи автор: **5** публикации
Кореспондирщ автор: **5** публикации

JCR IF:

JCR IF на всички публикации за участие в конкурса: **26.381**
JCR IF на публикациите за участие в конкурса, в които И. Сергиев е първи или кореспондиращ автор: **15.694**

Списание	Брой Статии	№ от списъка	Сума от JCR IF за съответната година
Pesticide Biochemistry and Physiology	1	1	1.189
Biologia Plantarum	1	2	1.259
Plant Growth Regulation	2	3, 6	1.024+1.530 = 2.554
Compt. Rend. Acad. Bulg. Sci.	4	4, 7, 15, 18	0.106+0.210+0.378+0.329 = 1.023
Oxidation Communications	1	8	0.146
Protoplasma	1	11	3.171
Zemdirbyste-Agriculture	1	13	1.020
Scientia Horticulturae	1	14	2.769
Biologia	1	16	1.350
Plants	1	19	4.500
Agronomy	2	20, 21	3.700+3.700 = 7.400

Април 2024 г. /И. Сергиев/