

СПИСЪК НА НАУЧНИ ПУБЛИКАЦИИ

за участие в конкурс за заемане на академична длъжност „доцент”
по професионално направление 4.3. Биологически науки,
Специалност „Генетика“,
Обявен от ИФРГ – БАН в ДВ бр. 16, 25-02-2025 г.

Гл. ас. д-р Мария Иванова Петкова

№	Група	Публикация	Квартил (Scopus)	IF (WoS JCR)	Точки
1*	B4-1	Petrova, M. , Geneva, M., Trendafilova, A., Miladinova-Georgieva, K., Dimitrova, L., Sichanova, M., Nikolova, M., Ivanova, V., Dimitrova, M., Sozoniuk, M. (2025). Antioxidant capacity and accumulation of caffeoylquinic acids in <i>Arnica montana</i> L. <i>in vitro</i> shoots after elicitation with yeast extract or salicylic acid. <i>Plants</i> , 14(6), 967.	Q1 (2024)	4.0 (2023)	25
2	B4-2	Sozoniuk M., Petrova M. , Mishev K., Miladinova-Georgieva K., Geneva M. (2025) Identification and validation of reference genes with stable expression under elicitor treatments of the medicinal plant <i>Arnica montana</i> L. <i>BMC Plant Biology</i> (приета за печат)	Q1 (2024)	4.3 (2023)	25
3	B4-3	Sichanova, M., Geneva, M., Petrova, M. , Miladinova-Georgieva, K., Kirova, E., Nedev, T., Tsekova D., Iwanov I., Dochev K., Ivanova V., Trendafilova, A. (2022). Improvement of <i>Stevia rebaudiana</i> Bertoni <i>in vitro</i> propagation and steviol glycoside content using aminoacid silver nanofibers. <i>Plants</i> , 11(19), 2468.	Q1	4.5	25
4*	B4-4	Petrova, M. , Zayova, E., Geneva, M., Dimitrova, L., Vitkova, A., Stanilova, M. (2021). Multiplication and conservation of threatened medicinal plant <i>Arnica montana</i> L. by <i>in vitro</i> techniques. <i>Agriculturae Conspectus Scientificus</i> , 86(1), 57-65.	Q3	-	10
5	B4-5	Zayova, E., Stancheva, I., Geneva, M., Petrova, M. , Dimitrova, L. (2013). Antioxidant activity of <i>in vitro</i> propagated <i>Stevia rebaudiana</i> Bertoni plants of different origins. <i>Turkish Journal of Biology</i> , 37(1), 106-113.	Q2	1.216	20
6	B4-6	Zayova, E., Stancheva, I., Geneva, M., Petrova, M. , Vasilevska-Ivanova, R. (2012). Morphological evaluation and antioxidant activity of <i>in vitro</i> -and <i>in vivo</i> -derived <i>Echinacea purpurea</i> plants. <i>Central</i>	Q2	0.818	20

		European Journal of Biology (Open Life Sciences, currently), 7(4), 698-707.			
7	Г7-1	Miladinova-Georgieva, K., Sichanova, M., Petrova, M. , Kirova, E., Nedev, T., Tsekova, D., Geneva, M. (2024). Effect of <i>in vitro</i> pretreatment with Ag-containing amino acid nanofibers on biometrics and antioxidant activity in drought-stressed <i>ex vitro</i> -adapted <i>Stevia rebaudiana</i> Bertoni. Agronomy, 14(11), 2570.	Q1 (2024)	3.3 (2023)	25
8*	Г7-2	Petrova, M. , Miladinova-Georgieva, K., Geneva, M. (2024). Influence of abiotic and biotic elicitors on organogenesis, biomass accumulation, and production of key secondary metabolites in Asteraceae plants. International Journal of Molecular Sciences, 25(8), 4197.	Q1 (2024)	4.9 (2023)	25
9*	Г7-3	Petrova, M. , Nikolova, M., Dimitrova, L., Dimitrova, M., Sergiev, I. (2023). <i>In vitro</i> multiplication and GC/MS-based metabolic profiles of <i>Cichorium intybus</i> L. Journal of microbiology, biotechnology and food sciences, 13(2), e9688-e9688.	Q3	0.6	15
10	Г7-4	Sichanova M, Geneva M, Petrova M , Miladinova-Georgieva K, Kirova E, Nedev T, Tsekova D, Ivanova V, Trendafilova A. (2023). Influence of the abiotic elicitors Ag salts of aspartic acid derivatives, self-organized in nanofibers with monomeric and dimeric molecular structures, on the antioxidant activity and stevioside content in micropropagated <i>Stevia rebaudiana</i> Bert. Plants, 12(20), 3574.	Q1	4.0	25
11	Г7-5	Miladinova-Georgieva, K., Geneva, M., Stancheva, I., Petrova, M. , Sichanova, M., Kirova, E. (2023). Effects of different elicitors on micropropagation, biomass and secondary metabolite production of <i>Stevia rebaudiana</i> Bertoni—A review. Plants, 12(1), 153.	Q1	4.0	25
12	Г7-6	Stanilova, M., Traykova, B., Vladimirov, V., Petrova, M. , Semerdjieva, I., Yankova-Tsvetkova, E. (2022). In vitro micropropagation of <i>Helichrysum arenarium</i> (Asteraceae) as a tool for introducing the species in agriculture. Comptes rendus de l'Académie bulgare des Sciences, 75, 10 (22), 1454-1461.	Q3	0.3	15
13*	Г7-7	Miladinova-Georgieva, K., Geneva, M., Petrova, M. , Kirova, E., Vezencov, L. (2022) Effect of creatine and creatine lysinate on the <i>in vitro</i> cultivation and antioxidant potential of <i>Stevia rebaudiana</i> Bertoni and <i>Leontopodium alpinum</i> Cass. Research Journal of Biotechnology, 17, 12, 148-158	Q4	0.2	10
14*	Г7-8	Kirova, E., Geneva, M., Petrova, M. , Miladinova-Georgieva, K., Sichanova, M. (2022). Employment of	Q4	-	10

		nanoparticles for improvement of plant growth and development. <i>Botanica</i> 28(2), 113-132.			
15	Г7-9	Todorova, M., Trendafilova, A., Vitkova, A., Petrova, M. , Zayova, E., Antonova, D. (2016). Developmental and environmental effects on sesquiterpene lactones in cultivated <i>Arnica montana</i> L. <i>Chemistry & Biodiversity</i> , 13(8), 976-981.	Q2	1.440	20
16	Г7-10	Zayova, E., Petrova, M. , Nikolova, M., Dimitrova, L. (2016). Effect of medium salt strength on the micropropagation, phenolic content and antioxidant activity of <i>Arnica montana</i> L., threatened plant species. <i>Bio Bulletin</i> , 2, 6-13.	-	-	-
17*	Г7-11	Petrova, M. , Zayova, E., Dincheva, I., Badjakov, I., Vlahova, M. (2015). Influence of carbon sources on growth and GC-MS based metabolite profiling of <i>Arnica montana</i> L. hairy roots. <i>Turkish Journal of Biology</i> , 39(3), 469-478.	Q2	1.183	20
18*	Г7-12	Petrova, M. , Zayova, E., Todorova, M., Stanilova, M. (2014) Enhancement of <i>Arnica montana in-vitro</i> shoot multiplication and sesquiterpene lactones production using temporary immersion system. <i>International journal of pharmaceutical sciences and research</i> , 5, 12, 5170-5176	-	-	-
19	Г7-13	Nikolova, M., Petrova, M. , Zayova, E., Vitkova, A., Evstatieva, L. (2013). Comparative study of <i>in vitro</i> , <i>ex vitro</i> and <i>in vivo</i> grown plants of <i>Arnica montana</i> –polyphenols and free radical scavenging activity. <i>Acta Botanica Croatica</i> , 72(1), 13-22.	Q4	0.449	12
20*	Г7-14	Petrova, M. , Zayova, E., Vassilevska-Ivanova, R., Vlahova, M. (2012). Biotechnological approaches for cultivation and enhancement of secondary metabolites in <i>Arnica montana</i> L. <i>Acta Physiologiae Plantarum</i> , 34, 1597-1606.	Q2	1.305	20
21*	Г7-15	Petrova, M. , Tasheva, K., Zagorska, N., Evstatieva, L. (2005). <i>In vitro</i> propagation of <i>Arnica montana</i> L. <i>Comptes rendus de l'Academie bulgare des Sciences</i> , 58, 67-72.	Q3	-	10

* – Първи или кореспондиращ автор.

СПРАВКА

към списъка на научните публикации на гл. ас. д-р Мария Иванова Петкова
за участие в конкурс за заемане на академична длъжност „доцент”

Общ брой публикации за участие в конкурса: 21 публикации

Тип научни публикации:

Научна статия: 17 публикации

Обзорна статия: 4 публикации

Разпределение на публикациите по квартали Scopus (SJR):

Q1 – 7 публикации

Q2 – 5 публикации

Q3 – 4 публикации

Q4 - 3 публикация

Публикации в списания, реферирани от други бази данни без квартал – 2 публикации

Списък с автори:

Първи и/или кореспондиращ автор: 10 публикации

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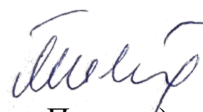
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JCR IF на публикациите за участие в конкурса, в които М. Петкова е
първи или кореспондиращ автор: **12.188**

Списание	Брой статии	№ от списъка	Сума от JCR IF за съответната година
Plants	4	1*, 3, 10, 11	16.5
BMC Plant Biology	1	2	4.3
Central European Journal of Biology	1	6	0.818
Turkish Journal of Biology	2	5, 17*	2.399
Acta Physiologiae Plantarum	1	20*	1.305
Acta Botanica Croatica	1	19	0.449
Chemistry & Biodiversity	1	15	1.440
Journal of microbiology,	1	9*	0.6

biotechnology and food sciences			
Compt. rend. Acad. Bulg. Sci.	2	12, 21*	0.3
Bio Bulletin	1	16	-
Research Journal of Biotechnology	1	13*	0.2
International Journal of Molecular Sciences	1	8*	4.9
Agriculturae Conspectus Scientificus	1	4*	-
International journal of pharmaceutical sciences and research	1	18*	-
Agronomy	1	7	3.3
Botanica	1	14*	-

Април 2025

Изготвил: 
(Мария Петкова)