

Списък на публикациите по проекта:

17 заглавия отпечатани или приети, от тях 12 в международни реферирани и индексирани списания, 9 от които с импакт фактор, 2 в национална периодика 3 в сборник от научен форум, както и 1 дисертация, 1 дипломна работа (и 3 публикации в процес на подготовка)

В международни индексирани и реферирани списания, в т.ч. и 9 с импакт фактор:

Gorgorov, R., Traykova, B., Stanilova, M. (2015) *Ex Situ* Conservation of *Centaurea davidovii* Urum.: an *in vitro* Approach. Compt. Rend. Acad. Bulg. Sci., 68 (10): 1265-1270, ISSN 1310–1331 (Print) 2367–5535 (Online), SJR 0.21, ISI **IF:0.284**

Traykova, B., Bancheva, S., Gorgorov, R., Delcheva, M., Stanilova, M. (2015) *Ex situ* and *in situ* conservation of *Centaurea pseudaxillaris* (Asteraceae) by means of plant biotechnology. J. BioSci. Biotechnol., SE/Online: 137-145. ISSN: 1314-6246

Trendafilova A., Jadranin M., Gorgorov R., Stanilova M. (2015) Bioactive Compounds in Wild, *In vitro* Obtained, *Ex vitro* Adapted, and Acclimated Plants of *Centaurea davidovii* (Asteraceae). Nat. Prod. Commun., Vol. 10, No. 6, 839-841. ISSN:1934-578X, **IF 1.242**

Petrova G., Petrov S., Bancheva S. (2016) Genetic diversity of the critically endangered *Verbascum davidoffii* Murb. (Scrophulariaceae) and implications for conservation. Biologica nyssana, 7(2): 101-106. ISSN: 2217-4605

Doycheva I., Yankova-Tsvetkova E., Stanilova M. (2017) Somatic embryogenesis induction in *Glaucium flavum* Crantz. (Papaveraceae). Compt. Rend. Acad. Bulg. Sci.,70(4): 525-530. ISSN:1310-1331, SJR:0.206, ISI **IF:0.233**

Doycheva I., Philipov S., Stanilova M. (2017) Evaluation of Glauicine Content in Bulgarian Black Sea Coast Localities of *Glaucium flavum* Cranz. (Papaveraceae). Nat. Prod. Commun., 12(2): 157-158. ISSN:1934-578X, SJR:0.348, ISI **IF:0.881**

Petrova G., Petrov S., Bancheva S. (2017) Molecular Characterization of *Verbascum anisophyllum* (Scrophulariaceae) Genetic Resources Through Inter-Simple Sequence Repeat (ISSR) Markers. Nat. Prod. Commun., 12(2): 189-192. ISSN:1934-578X, **IF 0.906**

Petrova G., Petrov S., Delcheva M., Bancheva S. (2017) Genetic Diversity and Conservation of Bulgarian Endemic *Verbascum tzar-borisii* (Scrophulariaceae). Annales Botanici Fennici, 54(4-6):307-316. ISSN: 1797-2442 **IF:0.672**

Nikolova M., Berkov S., Doycheva I., Stoyanov S., Stanilova M. (2018) GC/MS based metabolite profiling of five populations of *Glaucium flavum* (Ranunculales: Papaveraceae) from the Black Sea coast of Bulgaria. Acta zoologica Bulgarica, Suppl. 11, 91-94. ISSN 0324-0770, **IF 0.310**

Nikolova M., Berkov S., Dimitrova M., Sidjimova B., Stoyanov S., Stanilova M. (2017) Phenolic acid profiles of endemic species *Verbascum anisophyllum* and *Verbascum davidoffii*. J. BioSci. Biotechnology, ISSN: 1314-6246 (in press)

Yankova-Tsvetkova E., Ilieva I., Stanilova M., Stoyanov S., Sidjimova B. (2018) Reproductive biology of the endangered Bulgarian endemic *Centaurea achtarovii* (Asteraceae). Biologia DOI: 10.2478/s11756-018-0126-2 ISSN: 1336-9563, **IF 0.696**

Ananieva K., Gesheva E., Mishev K., Stanilova M., Doncheva S. (2018) Antioxidant capacity of two endemic *Verbascum* species. Compt. Rend. Acad. Bulg. Sci., ISI **IF:0.233** (in press)

В национална периодика:

1. Petrova G., Stanilova M., Bancheva S., Petrov S. (2016) Inter-simple sequence repeat analysis of genetic fidelity in *in vitro* micropropagated plants of the endangered plant species *Centaurea davidovii* Urum. (Asteraceae). Ann. of Sofia Univ. „St. Kl. Ohridski”, Fac. of Biology, 71-78. ISSN:0204-9902
2. Stanilova M., Stoyanov S., Sidzhimova B., Traykova B. (2016) Preservation of the Bulgarian endemic *Verbascum davidoffii* (Scrophulariaceae) by means of *in vitro* propagation. Ann. of Sofia Univ. „St. Kl. Ohridski”, Fac. of Biology, 63-70. ISSN:0204-9902

В сборници от научни форуми:

Petrova G., Petrov S., Bancheva S. (2016) ISSR primer selection for genetic variability analyses with the Bulgarian endemic *Verbascum davidovii* Murb. (Scrophulariaceae). Proc. of Seminar of Ecology, 165-167.

Boycheva I., Stoyanov S., Sidzhimova B., Traykova B., Stanilova M. (2016) Seed germination and *ex situ* conservation of *Verbascum anisophyllum* Murb. (Scrophulariaceae). Proc. of Seminar of Ecology, 70-72.

Petrova G., Petrov S., Bancheva S. (2017) A genetically informed proposal for conservation of *Centaurea pseudaxillaris*, a rare and endemic plant in Bulgaria. Proc. Seminar of Ecology, 45-47.

Защитени дипломни работи и дисертации:

Илиева И. (2016) Изследване на репродуктивната биология на Ахтаровата метличина (*Centaurea achtarovii* L., Asteraceae), Дипломната работа, защитена в катедрата по Физиология на растенията при БФ на СУ „Св. Климент Охридски“ за придобиване на бакалавърска степен (научен консултант: доц. Е. Янкова).

Дойчева И. (2017) Биотехнологичен подход за размножаване на *Glaucium flavum* Crantz. (Papaveraceae). Дисертация за придобиване на ОНС „Доктор“, 140 стр. (защитена на 18.12.2017 г.; научни ръководители: доц. М. Станилова и доц. С. Филипов)

Статии в процес на подготовка (дадени са работните им заглавия):

- Doycheva I., Yankova-Tsvetkova E., Molle E., Stanilova M. Reproductive capacity and *in vitro* seed germination of *Glaucium flavum* Crantz. (Papaveraceae)
- Ananieva K., Mishev K., Dobrev P., Gesheva E., Stanilova M. Assessment of photosynthetic function and hormonal status of *in vitro* propagated *Verbascum tzar-borisii* plants grown on different media

- Petrova G., Petrov S., Doycheva I., Stoyanov S., Stanilova M. Relationship between genetic and chemotypic diversity in perennial medicinal plant *Glaucium flavum* Crantz (Papaveraceae)

Научни форуми, на които са представени резултати, получени по проекта:

Общо 13 научни форума, с 23 презентации, от които: 2 пленарни доклада, 7 устни доклада и 14 постера.

Изложба на ИБЕИ в ЦУ-БАН под надслов: “Екологични проекти в полза на обществото”, февруари 2015 г., София

- Станилова М., Горгоров Р., Иванова Т. Растителни биотехнологии за опазване на биоразнообразието (Постер)

Втора Национална конференция за млади учени “Биологически науки за по-добро бъдеще”, 30-31 октомври 2015, Пловдив

- Traykova B., Bancheva S., Gorgorov R., Delcheva M., Stanilova M. *Ex situ* and *in situ* conservation of *Centaurea pseudaxillaris* (Asteraceae) by means of plant biotechnology. (Poster)

Първа национална конференция по реинтродукция на консервационно значими видове, 18-20 ноември, 2015 г., София

- Bancheva S., Stanilova M. Complete conservation of several endemic plant species from the Bulgarian flora: *ex situ* collections in conjunction with reinforcement of the natural populations (Plenary lecture)
- Delcheva M., Bancheva S., Stanilova M., Traykova B. Reinforcement of the population of *Verbascum tzar-borisii* (Scrophulariaceae) in “Probit kamak” locality, Varna district (Poster)
- Stanilova M., Stoyanov S., Sidzhimova B., Traykova B. Preservation of the Bulgarian endemic *Verbascum davidoffii* (Scrophulariaceae) by means of *in vitro* propagation (Poster)
- Petrova G., Stanilova M., Bancheva S., Petrov S. Inter-simple sequence repeat analysis of genetic fidelity in *in vitro* micropropagated plants of the endangered plant species *Centaurea davidovii* Urum. (Asteraceae) (Poster)

9th Seminar of Ecology, with international participation, 21-22 April 2016, Sofia, Bulgaria

- Petrova G., Petrov S., Bancheva S. ISSR primer selection for genetic variability analyses with the Bulgarian endemic *Verbascum davidovii* Murb. (Scrophulariaceae) (Oral presentation)
- Boycheva I., Stoyanov S., Sidzhimova B., Traykova B., Stanilova M. Seed germination and *ex situ* conservation of *Verbascum anisophyllum* Murb. (Scrophulariaceae) (Poster)

9th Conference of Medicinal and Aromatic Plants of Southeast European Countries, 26-29 May 2016, Plovdiv, Bulgaria

- Petrova G., Petrov S., Bancheva S. Molecular characterization of *Verbascum anisophyllum* Murb. genetic resources through inter-simple sequence repeat markers (Oral presentation)
- Doycheva I., Philipov S., Stanilova M. Evaluation of Glauicine Content in Bulgarian Black Sea Coast Localities of *Glaucium flavum* Cranz. (Papaveraceae) (Poster)

12th Symposium on the Flora of Southeastern Serbia and Neighboring Regions Kopaonik Mt., 16 - 19 June 2016, Serbia

- Petrova G., Petrov S., Bancheva S. Genetic diversity of the critically endangered *Verbascum davidoffii* Murb. (Scrophulariaceae) and implications for conservation (Poster)

9th Scientific conference of the Bulgarian Focal Point of European Food Safety Authority. 24.10.2016 - 25.10.2016, Hissar, Bulgaria.

- Petrova G., Petrov S., **Bancheva S.** State of genetic resources and conservation implications of endemic and extremely endangered Bulgarian plant species from *Verbascum* genus with pharmacological potential. (Oral presentation).
- Petrov S., Petrova G., **Bancheva S.** Molecular characterization of *Centaurea davidovii* Urum. (Asteraceae) genetic resources. (Poster).

10th Anniversary Seminar of Ecology, with international participation, 27-28 April 2017, Sofia, Bulgaria

- Petrova G., Petrov S., Bancheva S. A genetically informed proposal for conservation of *Centaurea pseudaxillaris*, a rare and endemic plant in Bulgaria (Oral presentation)

First European Symposium: Research, conservation and management of biodiversity in the European seashores (RCMBES), 8-12 May 2017, Primorsko, Bulgaria

- Nikolova M., Berkov S., Doycheva I., Stanilova M. GC/MS based metabolite profiling of five populations of *Glaucium flavum* from Bulgaria (Poster)
- Doycheva I., Yankova-Tsvetkova E., Molle E., Stanilova M. Reproductive capacity and in vitro seed germination of *Glaucium flavum* Crantz. (Papaveraceae) (Poster)
- Yankova-Tsvetkova E. On the embryology of *Glaucium flavum* Crantz (Papaveraceae) (Poster)

4th Balkan Scientific Conference on Biology, 1-3 November 2017, Plovdiv, Bulgaria

- Nikolova M., Berkov S., Dimitrova M., Sidjimova B., Stoyanov S., Stanilova M. Phenolic Acid Profiles of Endemic Species *Verbascum anisophyllum* and *Verbascum davidoffii*. Book of Abstract 111-112. (Poster)

11th Seminar of Ecology, with international participation, 26-27 April 2018, Sofia

- Stanilova M. Biotechnological approach for plant propagation and conservation in IBER: aims and achievements (Plenary lecture)

- Petrova G., Petrov S., Doycheva I., Stoyanov S., Stanilova M. Relationship between genetic and chemotypic diversity in perennial medicinal plant *Glaucium flavum* Crantz (Papaveraceae) (Oral presentation)

10th Conference on Medicinal and Aromatic Plants of Southeast European Countries, May 20-24, 2018, Split, Croatia

- Stanilova M., Bancheva S., Delcheva M., Stoyanov S., Sidjimova B., Traykova B. *In situ* conservation of three endemic *Verbascum* species in Bulgaria by population reinforcement (Poster)
- Yankova-Tsvetkova E., Ilieva I., Stanilova M., Stoyanov S., Sidjimova B. Reproductive biology of the endangered Bulgarian endemic *Centaurea achtarovii* Urum. (Asteraceae) (Poster)

International Association for Plant Biotechnology Congress, 19-24 August 2018, Dublin, Ireland

- Stanilova M. Conservation of Endemic and Endangered Medicinal Plant Species by Means of Plant Biotechnology (Oral presentation)