

MEDICINAL AND AROMATIC PLANTS WG REPORT FOR PHASE IX (2014-2018)

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1. CONTRIBUTION TO ECPGR OBJECTIVES

1.1. Achievements and success stories

Outcome 1. AEGIS is operational. Accessions in AEGIS are characterized and evaluated.

Outcome 2. Quantity and quality of data in EURISCO, including in situ and on-farm data, have been increased. Functionality of EURISCO meets users' expectations.

In the context of the MAP EUROCOLLECTION project, WG members were encouraged to initiate the process of recommending accessions to be flagged as AEGIS, to increase the European Collection.

Country reports update showed improvements of *ex situ* and *in situ* conservation of MAP species in Europe. However, while there has been an important dynamics in this group of species, there is still a substantial dispersion of institutions working on this subject and consequently in some cases country capacity shows difficulty to integrate the results and the sustainable MAP genetic resources management.

The 13 Activity partners discussed the actual situation of European MAP in the context of *ex situ* and *in situ* conservation, characterization and evaluation and numbers were updated. The European Collection of flagged MAP priority species in AEGIS comprises 84 accessions of MAPWG priority species contributed by the Nordic countries, Germany and Romania.

The update of the EURISCO database (24 April 2017) showed **2923 accessions** for the **10 MAP priority species** (Table 1) and the number of contributors' countries to *ex situ* conservation of the priority list, depending on species, ranges between 1 and 22 (Table 2). Considering table 1 and table 2 together, there are 22 countries contributing to *ex situ* conservation of *Hypericum perforatum* with 591 accessions while only one country with a single accession of *Achillea millefolium*.

Table1. Total number of accessions for the 10 MAP priority species in EURISCO (Accessed on 24.04.2017)

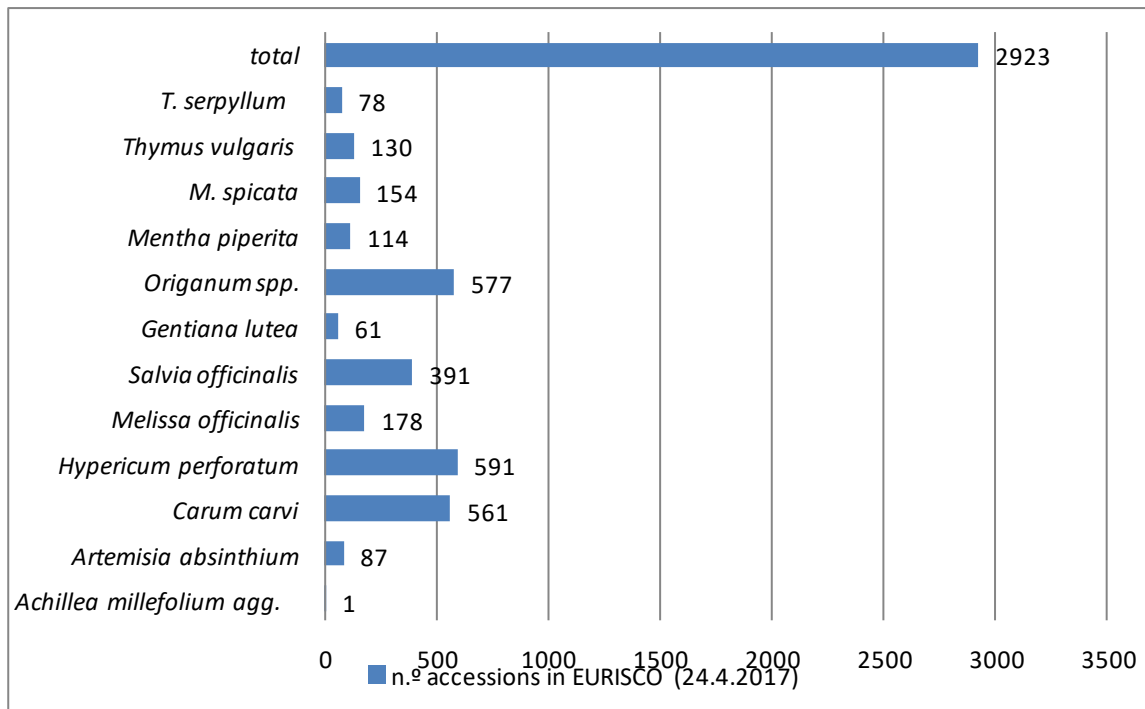
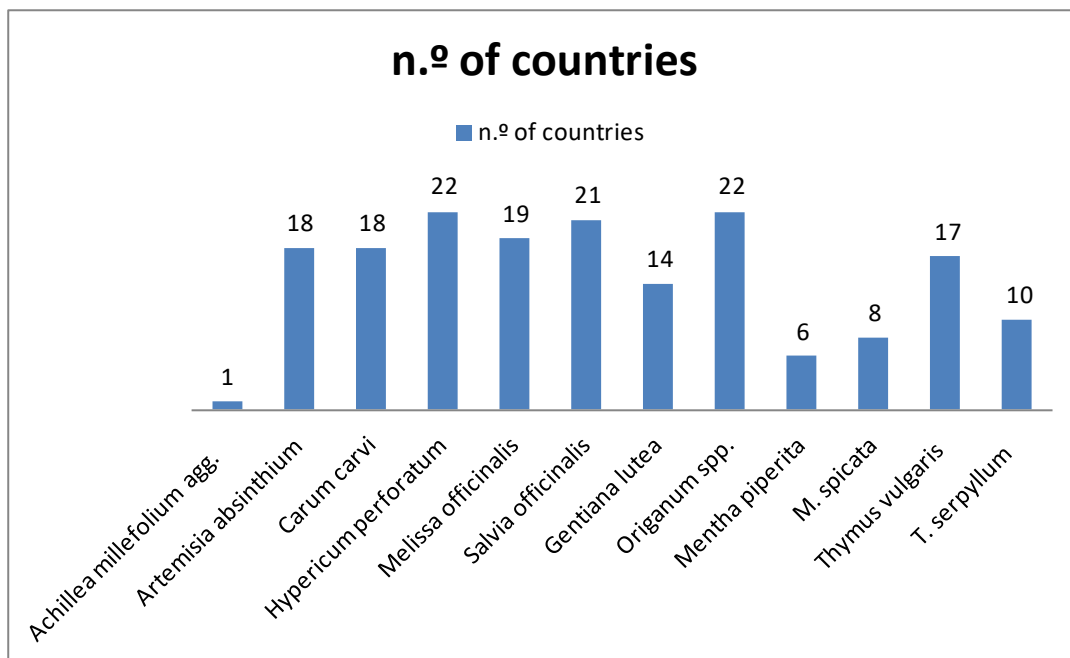


Table2. Number of countries for the 10 MAP priority species in EURISCO (Accessed on 24.04.2017)



In the context of the **MAP EUROCOLLECTION** project and from the country reports presented, the characterization and evaluation (C&E) data available were considered.

Evaluation and characterization can be stimulated to increment the sustainable use of MAPs in Europe, as these groups of plants have a strong demand for several uses and they support different agricultural dynamics. However, the market continues to be provisioned to a large extent by collecting from the wild and therefore *ex situ* and *in situ* conservation remain as vital tasks for these plant genetic resources.

So there are conditions to increase the MAP European Collection with more accessions, as EURISCO indicates that these collections are consolidated and documented.

During the meeting in Braga (April 2017), criteria for minimum selection requirements for MAP Most Appropriate Accessions (MAAS) for the European Collection were proposed. The level of morphological and chemical characterization and evaluation has increased, although less intensely than desired, conditioned by human and financial resources. Molecular evaluation is not so common in this group of species.

Crop standards were also discussed in the context of MAP EUROCOLLECTION.

It is expected to have an increasing number of AEGIS MAP accessions and an increasing quality and quantity of MAP data in EURISCO.

1.2. Gaps or constraints identified

According to the opinion of the WG members the most important difficulties that are limiting the flagging of MAP accessions for AEGIS, besides institutions coordination and logistics, are the financial fragilities and lack of funding.

Constraints

- The MAP WG has 82 members with different expertise from 38 countries, organized as follows: 22 Genebank curators; 36 Crop specialists; 18 Documentation and information specialists; 14 Plant breeders; 14 Policy makers; 4 Others.
- Interest of the members in the proposals: from the 38 countries represented in this WG the proposals involved 10 to 15 members in each proposal. Their involvement was decided according to the quota system, the relation to the content of the proposals and the number of participants possible according to the Grant Scheme.

2. GRANT SCHEME ACTIVITIES

- **Grant Scheme proposals (submitted: 3; approved: 1)**
 1. [Promoting the implementation and the establishment of the European MAP Collection \(MAP EUROCOLLECTION\)](#) – Third Call (2016)
- **Total number of partners involved: 15 from 13 countries**
 - ECPGR-funded: 13 from 11 countries
 - Self-funded: 2 from 2 countries

- **Meetings held**

1. MAP EUROCOLLECTION meeting, 27-28 April 2017, Braga, Portugal.

- **Reports and related data**

Report will be available in April 2018)

- **Funds mobilized**

- ECPGR granted funds: € 15 000
- Inputs in-kind declared in Grant activities: (none)

3. OTHER ACTIVITIES (CROSS-WORKING GROUP ACTIVITIES, LINKS WITH OTHER NETWORKS, PROJECTS AND INITIATIVES)

- **Cross-Working Group Activities**

In the frame of the Grant Scheme:

- **“Documentation of European *Carum carvi* accessions for long term conservation”**. This proposal was submitted by nine WG members and the project aimed at providing preliminary results and the background information for the establishment of future regional collection(s) (according to the AEGIS concept) of *Carum carvi* L. in Europe. First call – 2004.
- **“Inventory and update Documentation system for MAP European Conservation - MAPDOC”**, was prepared with the Wild Species conservation in genetic reserves WG (Second Call,2015).

- **Others**

- A Project proposal was submitted to HORIZON 2020 **“A Comprehensive Approach for the Management and Sustainable Exploitation of European Medicinal and Aromatic Plants (Acronym: SEE-MAP)**. Twenty-seven partners were involved in this proposal and some of them are from the MAPWG. Proposal Coordinator: Sotirios Kampranis - University of Crete
- Also DG AGRI of the European Commission funded the “Preparatory action on EU plant and animal genetic resources” which was coordinated by consultants with the help of experts. The project started in July 2014 and aimed to create an overview of actors, networks, activities and issues regarding conservation and sustainable use of Genetic Resources in Europe. Some of the MAPWG members have participated.

4. WORKING GROUP DOCUMENTS AND PUBLICATIONS

See Annex

5. EXPECTED ADDITIONAL ACHIEVEMENTS AND FUTURE ACTIVITIES

- Expand the original “priority list” of MAP species, identified by the WG members to show the existence of some common regional strategies and priorities. This expanded priority list can show the level of threat and the Red List status for MAP species in Europe and give support to the Strategy for European MAP Conservation.
- Systematic actions for Documentation of *ex situ* collections and *in situ* populations: information organized according to EURISCO.
- Compile systematic information that contains ‘key aspects’ of the MAP species [e.g. annual or perennial species; type of seed (orthodox, intermediate, recalcitrant); optimum germination conditions; optimum storage conditions; in- or outbreeding; the most appropriate technique of propagation and key aspects to field collection conservation.
- Other opportunities for cooperation and integration between WG members and other WGs: - Increase on the focus of *in situ* conservation; - Potential of *in vitro* or cryopreservation methods to improve the status of conservation and safety-duplication of MAP species.
- Orchestrate the know-how available in the respective pool of experts to resolve specific technical issues that might evolve as part of the operation of the WG.

ANNEX. WORKING GROUP DOCUMENTS AND PUBLICATIONS

Bulgaria

1. **Uzundzhalieva, K.**, 2014. Conservation and management of plant genetic resources from cultural and wildlife in Bulgaria. International Journal of Technology Enhancements and Emerging Engineering Research, vol.2.issue 4, p. 4-5.
2. **Uzundzhalieva, K.**, Z. Uhr. 2014. Conservation and management of plant genetic resources from cultural and wildlife in Bulgaria and their use in the breeding program. New Knowledge, Year III, no. 1, January – March 2014, p. 4-6.
3. **Uzundzhalieva K.**, R. Ruseva, Sv. Kachakova 2014. In situ and in vitro conservation of *Glycyrrhiza glabra* L. – Crop Wild Relative from Fabaceae. Second Anniversary Scientific Conference of Ecology – SACE 2013. University of Plovdiv. Ecologia Balkanika, 2014, Vol. 5, Special Edition April 2014 pp.9-13.
4. **Uzundzhalieva K.** 2014. Morphological and phenological investigation of *Gazania splendens* L. with the view of its ornamental quality. New Knowledge, Year III, no. 1, January – March 2014, p. 10-14.
5. **Uzundzhalieva, K.**, 2014. Ex-stu conservation of rare and endemic plant species in the Botanical garden of the Institute of Plant Genetic Resources – Sadovo. New knowledge. Year III, 1. Jan.-March, 2014, p. 7 -9
6. **Uzundzhalieva K.**, G. Desheva, R. Ruseva. 2015. Conservation and management of plant genetic resources in Insitute of Plant Genetic Resources - Sadovo, Bulgaria, Phytologia balcanica 22 (2): 179 – 185, 2016
7. Kachakova,S., D. Dimanov, **K. Uzundzhalieva**, R. Ruseva. 2015. Study the possibilities for inducing callus from mature embryo wheat lines /*Triticum aestivum* L./ in vitro. Journal of Mountain Agriculture on the Balkans, vol. 18, 5, 2015. 816-828.
8. **Uzundzhalieva, K. S.** 2016. Comparative investigation of *Ocimum basilicum* L. accessions from the collection of IPGR – Sadovo, aiming to their classification and practical use. Emirates Journal of Food and Agriculture. 2016. 28 (x): 1-6, doi: 10.9755 / ejfa. 2015 – 10 - 845 <http://www.ejfa.me/>. IF 0,31
9. Desheva, G., **K. Uzundzhalieva**. 2016. Plant Genetic Resources from Medicinal Plant Species – ex situ and in vivo conservation in the Institute of Plant Genetic Resources – Sadovo. Natural Product Communications Vol. 11 (0) 2016

Croatia

1. Carović-Stanko, K., Petek, M., Grdiša, M., Pintar, J., Bedeković, D., Herak Ćustić, M., Šatović, Z. 2016. Medicinal Plants of the Family Lamiaceaeas Functional Foods – a Review. Czech journal of food sciences 34(5): 377-390
2. Cvetkovikj, I., Stefkov, Gj., Karapandzova, M., Kulevanova, S., Šatović, Z. 2015. Essential oils and Chemical Diversity of South-East European Populations of *Salvia officinalis* L. Chemistry and Biodiversity 12(7): 1025-1039
3. Grdiša, M., Liber, Z., Radosavljević, I., Carović-Stanko, K., Kolak, I., Satovic, Z. 2014. Genetic Diversity and Structure of Dalmatian Pyrethrum (*Tanacetum cinerariifolium* Trevir. /Sch./ Bip., Asteraceae) within the Balkan Refugium. PLoS ONE 9(8): e105265

4. Radosavljević, I., Šatović, Z., Liber, Z. 2015. Causes and consequences of contrasting genetic structure in sympatrically growing and closely related species. *AoB Plants* plv106
5. Rešetnik, I., Baričević, D., Bačur Rusu, D., Carović-Stanko, K., Chatzopoulou, P., Dajić-Stevanović, Z., Goncariuc, M., Grdiša, M., Greguraš, D., Ibraliu, A., Jug-Dujaković, M., Krasniqi, E., Liber, Z., Murtić, S., Pečanac, D., Radosavljević, I., Stefkov, Gj., Stešević, D., Šoštarčić, I., Šatović, Z. 2016. Genetic Diversity and Demographic History of Wild and Cultivated/Naturalised Plant Populations: Evidence from Dalmatian Sage (*Salvia officinalis* L., Lamiaceae). *PLOS One* 11(7): e0159545
6. Varga, F., Carović-Stanko, K., Ristić, M., Grdiša, M., Liber, Z., Šatović, Z. 2017. Morphological and biochemical intraspecific characterization of *Ocimum basilicum* L. *Industrial crops and products* 109: 611-618.

Estonia

1. Raal, A., Orav, A., Gretchushnikova, T. Composition of the essential oil of the *Rhododendron tomentosum* Harmaja from Estonia. *Natural product Research*, 2014, 28, 1091-1098.
2. Raal, A., Orav, A., Nesterovitsch, J., Maidla, K. Analysis of carotenoids, flavonoids and essential oil of *Calendula officinalis* cultivars growing in Estonia. *Natural product Communications*, 2016, 11(8), 1157-1160.
3. K., Nguyen, T.H., Ho, V.D., Do, T.T., Raal, A. Cytotoxic effect of chamomile (*Matricaria recutita*) and marigold (*Calendula officinalis*) extract on human melanoma SK-MEL-2 and epidermoid carcinoma KB cells. *Cogent Medicine*, 2017, 4, 1333218, 1-7.
4. Meos, A., Saks, L., Raal, A. Content of alkaloids in ornamental *Papaver somniferum* L. cultivars growing in Estonia. *Proceedings of the Estonian Academia of Sciences*, 2017, 66 (1), 34-39.
5. Meos, A., Zaharova, I., Kask, M., Raal, A. Content of ascorbic acid in common cowslip (*Primula veris* L.) compared to common food plants and orange juices. *Acta Biologica Cracoviensia Series Botanica*, 2017, 59(1), 113-120.
6. Rusalepp, L., Raal, A., Mäeorg, U., Püssa, T. Comparison of chemical composition of *Hypericum perforatum* and *H. maculatum* in Estonia. *Biochemical Systematics and Ecology*, 2017, 73, 41-46.
7. FP Kittler, J., Schrader, O., Kästner, U., Marthe, F. 2015. Chromosome number and ploidy level of balm (*Melissa officinalis*). *Molecular Cytogenetics* 8: 61, DOI: 10.1186/s13039-015-0166-z, URL: <http://www.molecularcytogenetics.org/content/8/1/61>

Georgia

1. Kacharava T., Koiava L.. Biological Peculiarity of *Vaccinium*. *International Scientific journal „INTELLECTUAL“* N 26, ISSN 1512-2530. Tbilisi, 2014, p. 181-189.
2. Kacharava T., Koiava L.. The Content of Heavy Metals in Soil and in Leaves of *Vaccinium*. *Georgian Engineering News, GEN“* ISSN 1512-0287 N1(vol. 69), 2014, p.86-89. [www. tech.caucasus.net](http://www.tech.caucasus.net)
3. Kacharava T., Dolidze T.. Biodiversity of Ghebi. Publishing house „Nekheri“, ISBN 978-9941-436-93-2, Tbilisi, 2014, 248 p.
4. Kacharava T., Gegidze P.. Medical Herbs and Plant Stress Proteins May Become Cordially New Alternative of Antibiotics and Synergistic feed Supplement. *International Scientific Conference “Science, technology and innovation in the era of power and happiness”*, Turkmenistan, 2014, p 56-58.
5. Kacharava T., Tsiklauri N, Gegidze P.. Genetic Resources of medicinal, Aromatic, Melliferous, Spicy and Poisonous Plants in Different Conditions of Ecosystems and Sustainable Development.

International Scientific Conference, Climate change and its influence on sustainable and safe agriculture development”, Tbilisi, Georgia, 2014, p. 143-146.

6. Sustainable Use Genetic Resources of Medicinal, Aromatic, Spicy, Poisonous Plants. International Conference “Applied Ecology: Problems, Innovations” Tbilisi, ISBN 978-9941-0-7644-2, www.tsu.ge, p.241-246. 2015, <http://icae-2015>

7. Kacharava T., Devadze D.. Physiological Singularity of Medicinal, Aromatic and Spice Plants. International Scientific Conference “Global Warming and Agrobiodiversity”, Georgian Academy of agricultural Sciences, Tbilisi, Georgia, 2015, p. 170-173.

8. Kacharava T.. Upgrading of pharmacological gene bank of medicinal and aromatic plants in Georgia. New trends in the ecological and biological research International scientific conference, Book of Abstract, University of Prešov, Slovak republic Organizer: University of Prešov Faculty of Humanities and Natural Sciences Greek-Catholic Theological Faculty Faculty of Orthodox Theology, 2015, p 39.

9. Kacharava T.. Technology Protection of Biodiversity of Medicinal, Aromatic, Spicy & Poisonous Plants. First SDSU – Georgia stem workshop on nano-technology and environmental science. September 4-5, 2015, Tbilisi, Georgia. Abstracts. p.54-55.

10. Kacharava T., Devadze D., Veruladze G.. Plants In Vitro Cultivation Methods. Tskhum-Abkhazian Academy of Sciences, Proceedings v. IX-X, ISSN 2233-3363, UDC 908 (479.224)c -998, 2015, p.285-295.

11. Kacharava T.. Medicinal, Aromatic, Dye, Honey, Spicy and Poisonous Plants Industrial Plantations Producing Technologies (recommendations). Georgian Academy of Agricultural Sciences, Publisher “Agro”, Tbilisi, 2016. p. 67. www.gaas.dsl.ge.

12. Kacharava T., Epitashvili T. Medicinal, aromatic and spice plants` genetic resources, protection in Georgia. Sustainable, Utilization of Plant Genetic Resources for Agriculture and Food, International scientific conference, Piešťany, Slovak Republic, 2016, p 34. <http://www.vurv.sk/conference/>.

13. Kacharava T., Koiava L, Kalandia A.. Medicinal, aromatic and spice plants` genetic resources, protection in Georgia. Sustainable, Utilization of Plant Genetic Resources for Agriculture and Food, International scientific conference, Piešťany, Slovak Republic, 2016, p 34. <http://www.vurv.sk/conference/>

14. Kacharava T., Devadze D.. Berry Crops In Vitro Propagation Technologies. Scientific Reviewed Magazine “Science and Technologies” N 2(725); ISSN 0130-7061, Index 76127, Tbilisi, 2017, p. 83-90.

15. Kacharava T., Devadze D.. Biological Properties of Rubus Fruticosus L.. Georgian Engineering News, No.2, (vol.82), 2017, p. 81-84.- GEN“ ISSN 1512-0287 N2. (vol. 82), 2017, p. 81-85, www.tech.caucasus.net.

16. Kacharava T.. Medicinal Plants Genetic Resources in Georgia. Materials of International Scientific Conference “Intercultural Dialogs”, I.Gogebashvili State University. ISSN 2233-3401, UDC 008.1, K-899, p. 293-297 .

Germany

1. SP Argyropoulos, D., Barfuss, I., Biertümpfel, A., Blüthner, W.D., Blum, H., Böhner, M., Budde, M., Damerow, L., Dehe, M., Graf, T., Junghanns, W., Kästner, U., Kittler, J., Mahlberg, B., Marthe, F., Meinhold, T., Mellmann, J., Müller, J., Paladey, E., Pietzsch, K., Plescher, A., Pude, R., Reichardt, I., Schockert, K., Wahl, S., Ziegler, Th. 2014. Melisse – eine alte Arzneipflanze fit für die Zukunft. Short paper in 2. Tagung Arzneipflanzen, Arzneipflanzenanbau in Deutschland – mit koordinierter Forschung zum Erfolg, 16.-17.10.2013, Gülzower Fachgespräche 44: 80-86 Fachagentur Nachwachsende Rohstoffe, <http://mediathek.fnr.de/arzneipflanzenanbau-in-deutschland-mit-koordinierter-forschung-zum-erfolg-1.html>

2. BuBei Schmiderer, C., Novak, J., Marthe, F. (Eds.), 7. Tagung Arznei- und Gewürzpflanzenforschung, Wien, Österreich, 14.-17.9.2014, Kurzfassung der Vorträge und Poster, Julius-Kühn-Archiv (2014) 446, 110 Seiten

3. A, V Marthe, F., Kittler, J., Kästner, U., Ulrich, D., Krämer, A., Krüger, H., Paladey, E., Lohwasser, U., Junghanns, W., Blüthner, W.D. 2014. Demonstrationsprojekt Arzneipflanzen: Entwicklung von Hochleistungslinien bei Zitronenmelisse (*Melissa officinalis*). Vortrag – Kongress der Fachagentur Nachwachsende Rohstoffe „Mit Pflanzenzüchtung zum Erfolg“, 9.-10.9.2014 (10.9.2014), Berlin, Deutschland. In: Kongress „Mit Pflanzenzüchtung zum Erfolg“ Fachagentur Nachwachsende Rohstoffe, Gülzow. S. 37

4. A, V Kittler, J., Kästner, U., Krüger, H., Krämer, A., Böttcher, C., Paladey, E., Junghanns, W., Lohwasser, U., Blüthner, W.D., Marthe, F. (vorgetragen von Kittler, J.) 2014. Strategien für die Melissezüchtung (*Melissa officinalis*). Vortrag – 7. Tagung Arznei- und Gewürzpflanzenforschung, 14.-17.09.2014 (16.9.2014), Wien, Österreich. In: Schmiderer, C., Novak, J., Marthe, F. (Eds.), Julius-Kühn-Archiv (2014) 446, 44-46

5. A, P Marthe, F., Budahn, H., Bruchmüller, T., Krüger, H., Ulrich, D., Lohwasser, U., Krämer, R. 2014. Resources for resistance in parsley (*Petroselinum crispum*) to economically important diseases *Septoria* blight (*Septoria petroselini*) and downy mildew (*Plasmopara petroselini*). Poster - International Symposium on "Carrot and other Apiaceae", 14.-19.9.2014, Angers, France. Abstract in press.

6. Stešević D., Ristić M., Nikolić V., Nedović M., Caković D., Šatović Z. Chemotype diversity of indigenous Dalmatian sage (*Salvia officinalis* L.) populations in Montenegro, Chemistry and Biodiversity, 2014, 11(1): 101-114.

7. Kremer D., Bolarić S., Ballian, D., Bogunić, F., Stešević, D., Karlović, K., Kosalec, I., Vokurka, A., Vuković Rodríguez, J., Randić, M., Bezić, N., Dunkić, V. (2015): Morphological, genetic and phytochemical variation of the endemic *Teucrium arduini* L. (Lamiaceae), Phytochemistry 116: 111–119

Greece

1. Apostolos Kalivas, Ioannis Ganopoulos, Aiki Xanthopoulou, Paschalina Chatzopoulou, Athanasios Tsaftaris, Panagiotis Madesis (2014) DNA Barcode ITS2 coupled with High Resolution Melting (HRM) analysis for taxonomic identification of *Sideritis* species growing in Greece Mol Biol Rep DOI 10.1007/s11033-014-3381-5

2. Aiki Xanthopoulou, Ioannis Ganopoulos, Apostolos Kalivas, Maslin Osathanunkul, Paschalina Chatzopoulou, Athanasios Tsaftaris, Panagiotis Madesis (2016) Multiplex HRM analysis as a tool for rapid molecular authentication of nine herbal teas, Food Control, 60, 113-116

3. Eirini Sarrou, Paschalina Chatzopoulou, Theodoros Koutsos V, Stavros Katsiotis (2016) Herbage yield and essential oil composition of sweet basil (*Ocimum basilicum* L.) under the influence of different mulching materials and fertilizers. Journal of Medicinal Plants Studies 4(1):111-117

4. I. Rešetnik, D. Baričević, D. Batîr Rusu, K. Carović-Stanko, P. Chatzopoulou, Z. Dajić-Stevanović, M. Goncariuc, M. Grdiša, D. Greguraš, A. Ibraliu, M. Jug-Dujaković, E. Krasniqi1, Z. Liber, S. Murtić, D. Pećanac, I. Radosavljević, Gj. Stefkov1, D. Stešević, I. Šoštarić, K. Varbanova and Z. Šatović (2016) Genetic diversity and demographic history of wild and cultivated/naturalised plant populations: Evidence from Dalmatian sage (*Salvia officinalis* L., Lamiaceae), PloS ONE 7, e0159545

5. Sarrou, E., Martens S., Chatzopoulou P. (2016) Metabolite profiling and antioxidant activity of Sage (*Salvia fruticosa* Mill.) under the influence of genotype and harvesting period Industrial Crops and Products J., 94, 240-250

6. Sarrou Eirini, Chatzopoulou Paschalina, Therios Ioannis, Dimassi-Theriou Kortessa (2017) Effect of drought and salinity on volatile organic compounds and other secondary metabolites of *Citrus aurantium* leaves, Natural Product Communications Vol 12, No2, 193-196

7. Eirini Sarrou, Ioannis Ganopoulos, Aliko Xanthopoulou, Domenico Masuero, Stefan Martens, Panagiotis Madesis, Athanasios Mavromatis, Paschalina Chatzopoulou (2017) Genetic diversity and metabolic profile of *Salvia officinalis* populations: implications for breeding, *PLANTA*, DOI10.1007/s00425-017-2666-z
8. Adriana Skendi, Maria Irakli, Paschalina Chatzopoulou (2017) Analysis of phenolic compounds in Greek plants of Lamiaceae family by HPLC, *J of Applied Research on Medicinal and Aromatic Plants*, 6, 62-69
9. Eirini Sarrou, Nektaria Tsivelika, Paschalina Chatzopoulou, George Tsakalidis, Georgios Menexes, Athanasios Mavromatis (2017) Conventional breeding of Greek Oregano (*Origanum vulgare* ssp. *hirtum*) and development of improved cultivars for yield potential and essential oil quality. *Euphytica*, 213:104, DOI 10.1007/s10681-017-1889-1
10. Maria Irakli, Kortessa Tsifodimou, Eirini Sarrou, Paschalina Chatzopoulou (2017) Optimization infusions conditions for improving phenolic content and antioxidant activity in *Sideritis scardica* Tea using response surface methodology, *J. of Applied Research on Medicinal and Aromatic Plants*, *in press*
11. Sarrou E., Giassafaki LP., Masuero D., Perenzoni D., Vizirianakis IS., Irakli M., Chatzopoulou P., Martens S. (2018). Metabolomics assisted fingerprint of *Hypericum perforatum* chemotypes and assessment of their cytotoxic activity. *Food and Chemical Toxicology*, DOI: 10.1016/j.fct.2018.02.057
12. Sarrou E, Tsivelika N, Chatzopoulou P. et al. 2017. *Conventional breeding of Greek oregano (Origanum vulgare ssp. hirtum) and development of improved cultivars for yield potential and essential oil quality*. *Euphytica* 213:104. doi:10.1007/s10681-017-1889-1

Hungary

1. Éva Németh-Zámbori (2015): Natural Variability of Essential Oil Components. In: Baser, K.H.C.-Buchbauer, G. (ed.): *Handbook of Essential Oils, Science, Technology, and Applications*, 2nd ed., CRC Press - Taylor and Francis Group LLC, Boca-Raton, U.S..ISBN 978-1-4665-9046-5, eBook ISBN: 978-1-4665-9047-2, p. 87-126.
2. Kindlovits, S., Radácsi, P., Sárosi, Sz., Inotai, K., Nagy, E, Németh, É. (2014): Effect of weather conditions on the morphology, production and chemical composition of two cultivated medicinal and aromatic species, *Europ. J. Hort. Sci.*, 79 (2): 76-83.
3. Bernhardt B., Fazekas Gy., Ladányi M., Inotai K., Zámboiri-Németh É., Bernáth J., Szabó K. (2014): Morphological, chemical and RAPD PCR evaluation of eight different *Ocimum basilicum* L. genebank accessions. *J. Appl.Res.Med.Aromat.Plants* (2014), <http://dx.doi.org/10.1016/j.jarmp.2014.03.002>
4. Németh-Zámboiri,É., Szabó, K., Rajhárt, P., Lelik, L., Bernáth, J., Popp, T. (2015): Effect of nutrients on drug production and essential oil content of lemon balm (*Melissa officinalis* L.). *J. of Essential Oil Bearing Plants*, 18,6: 1508-1515. DOI:10.1080/0972060X.2014.935040
5. Radácsi P., Inotai, K., Sárosi Sz., Németh É. (2016): Effect of soil water content on the physiological parameters, production and active substances of summer savory (*Satureja hortensis* L.). *Acta Scientiarum Polonorum Hortorum Cultus*, 15 (2), 3-12. ISSN 1644-0692
6. Kindlovits, S., Cserháti, B., Inotai, K., Zámboiri-Németh É. (2016): Ontogenetic variation of active agent content of yarrow (*Achillea collina* Becker). *Journal of Applied Research on Medicinal and Aromatic Plants (JARMAP)*, <http://dx.doi.org/10.1016/j.jarmp.2016.01.003>
7. Szabó K., Malekzadeh, M., Radácsi, P., Ladányi, M., Rajhárt, P., Inotai, K., Tavaszi-Sárosi, Sz., Németh, É. (2016): Could the variety influence the quantitative and qualitative outcome of lemon balm production? *Industrial Crops and Products*, 83, 710-716. 01/2016; DOI:10.1016/j.indcrop.2015.12.027

8. Inotai, K., György, Zs., Kindlovits, S., Várady Gy., Nemeth-Zámbori, É. (2016): Evaluation of yarrow (*Achillea*) accessions by phytochemical and molecular genetic tools. *J. Appl. Bot Food Quality*, 89, p.105-112. ISSN: 1439-040X <http://dx.doi.org/10.5073/JABFQ.2016.089.013>
9. Németh-Zámbori, É., Szabó, K., Pluhár, Zs., Radácsi, P., Inotai, K. (2016): Changes in biomass and essential oil profile of four *Lamiaceae* species due to different soil water levels. *J. Essent Oil Research*, 28 (5), p. 391-399. <http://dx.doi.org/10.1080/10412905.2016.1176606>
10. Éva Németh-Zámboriné, Zsuzsanna Pluhár, Dóra Szabó, Katarzyna Seidler-Losykowska, Krisztina Szabó (2016): Influence of growing location and variety on the essential oil content of *Melissa officinalis* L. and *Thymus vulgaris* L. *Nat. Volatiles & Essent. Oils*, 2015; 2(4): 1-3. <http://dergipark.ulakbim.gov.tr/nveo/article/view/5000183323>
11. J. A. Llorens-Molina, S. Vacas, V. Castell, É. Németh-Zámboriné (2016): Variability of essential oil composition of wormwood (*Artemisia absinthium* L.) affected by plant organ. *J. Essent. Oil Res.*, 29, 11-21. DOI:10.1080/10412905.2016.1202152 (online: 06.22.)
12. Péter Radácsi, Krisztina Szabó, Dóra Szabó, Eszter Trócsányi, Éva Németh-Zámbori (2016): Effect of water deficit on yield and quality of lemon balm (*Melissa officinalis* L.). *Zemirdyste-Agriculture*, 103 (4), 385-389.
13. Bachetta, L., Visioli, F., Cappelli, G., Caruso E., Martin G., Nemeth É., Bacchetta G., Bedini G., Wezel A., van Asseldonk T., Pieroni A., van Raamsdonk L., Mariani F. (2016): A manifesto for the valorisation of wild edible plants. *J. of Ethnopharmacology*, 191:15, 180-187. <http://dx.doi.org/10.1016/j.jep.2016.05.061>
14. Huong Thi Nguyen- Zámboriné Éva Németh (2016): Sources of variability of wormwood (*Artemisia absinthium* L.) essential oil. *JARMAP*, online. DOI:10.1016/j.jarmap.2016.07.005 <http://www.sciencedirect.com/science/article/pii/S221478611630033X>
15. Németh-Zámbori, É., Rajhárt P., Inotai, K. (2017): Effect of genotype and age on essential oil and total phenolics in hyssop (*Hyssopus officinalis* L.), *Journal of Applied Botany and Food Quality* 90, 25-30. DOI: 10.5073/JABFQ.2017/090.005
16. Huong Thi Nguyen, Katalin Inotai, Péter Radácsi, Szilvia Tavaszi-Sárosi, Márta Ladányi, Éva Zámboriné-Németh (2017): Morphological, phytochemical and molecular characterization of intraspecific variability of wormwood (*Artemisia absinthium* L.), *Journal of Applied Botany and Food Quality* 90, 238 – 245. DOI:10.5073/JABFQ.2017.090.030
17. Szabó, K., Radácsi P., Rajhárt P., Ladányi M., Németh É. (2017): Stress-induced changes of growth, yield and bioactive compounds in lemon balm cultivars, *Plant Physiology and Biochemistry*, 119, 170-177. <http://dx.doi.org/10.1016/j.plaphy.2017.07.019>
18. Éva Németh-Zámbori, Krisztina Szabó, Péter Rajhárt, Katalin Inotai, Katarzyna Seidler-Lozykowska, Péter Radácsi (2017): Variability of phenolic compounds of four *Lamiaceae* species in consequence of different water supply. *Acta Sci. Pol. Hortorum Cultus*, 16(4), 13–24.
19. Zámboriné Németh É., Radácsi P., Gosztola B., Rajhárt P., Szabó K. (2017): Influence of water supply and fluctuations on yield and quality of lemon balm (*Melissa officinalis* L.), *Australian J. of Crop Sci.* 11 (12), p-1539-1546 doi: 10.21475/ajcs.17.11.12.pne665

Israel

1. Cavalieri, A. **, Fischer, R. , Larkov, O. and **Dudai, N.** (2014). The enantioselectivity of the bioconversion of chiral citronellal during the inhibition of wheat seeds germination. *Chem Biodivers*. 11(3) 419-426;

2. Boke Rioba, N., Muyola Itula, F., Mwanarusi. S., **Dudai, N***. And Bernstein, N. (2015). Effects of nitrogen, phosphorus and irrigation frequency on essential oil content and composition of sage (*Salvia officinalis* L.). *J. Applied Res. MAP*. 2: 21-29. (*Corresponding author).
3. Li, G., Cervelli, C., Ruffoni, B., Shacter, E, and **Dudai, N.** (2016). Volatile diversity in wild populations of rosemary (*Rosmarinus officinalis* L.) from the Tyrrhenian Sea vicinity cultivated under homogeneous environmental condition. *Industrial Crops and Products*. 84:381-390.
4. Degani V.A., **Dudai, N.**, Bechar, A. and Vaknin, Y. (2016). Shade Effects on Leaf Production and Essential Oil Content and Composition of the Novel Herb *Eucalyptus citriodora* Hook. *Journal of Essential Oil Bearing Plants* 19:164-176.
5. Zutic, I., Nitzan, N., Chaimovitsh, D., Shachter, A, and **Dudai, N.** (2016). Geographical location is a key component to effective breeding of clary sage (*Salvia sclarea*) for essential oil composition. *Isr. J. Plant Sci.* 63: 134-141.
6. Navon, S., Kigal, J., **Dudai, N.** and Unger, E.D (2016). Chemical variation in a population of *Pistacia lentiscus* L. *Haya'ar* (16): 36-45 (In Hebrew with English summary and titles).
7. Chaimovitsh, D., Shachter, A, Rubin, B., Sadot, E. and **Dudai, N.** (2017). Herbicidal Activity of Monoterpenes Is Associated with Disruption of Microtubules Functionality and Membrane Integrity. *Weed Sci.* 65(1):19-30.
8. **Dudai, N.**, Naharan, O.**, Bernstein, N., Shachter, A, Rud, R. and Chaimovitsh, D. (2017). Reduction of visible chilling injury in sweet basil (*Ocimum basilicum* L.) using artificial illumination". *Journal of Applied Research on Medicinal and Aromatic Plants* 6:15-21
9. Bernstein, N., Sela (Saldinger), S., **Dudai, N.** and Gorbatsevich, E. (2017). Salinity Stress Does Not Affect Root Uptake, Dissemination and Persistence of *Salmonella* in Sweet-basil (*Ocimum basilicum*). *Frontiers in Plant Science*, 8: art. 675. <http://doi.org/10.3389/fpls.2017.00675>
10. Sadeh D **, Nitzan N, Shachter A, Chaimovitsh D, **Dudai N**, Ghanim M. (2017). Whitefly attraction to rosemary (*Rosmarinus officinalis* L.) is associated with volatile composition and quantity. *PLoS ONE* 12(5): e0177483. <https://doi.org/10.1371/journal.pone.0177483>
11. Klein, J.D., Firmansyah, A., Panga, N., Abu-Aklin, W., Dekalo-Keren, M., Gefen, T., Kohen, R., Raz Shalev, Y., **Dudai, N.** and Mazor, L. (2017). Seed treatments with essential oils protect radish seedlings against drought. *AIMS Agriculture and Food* ,2(4): 345-353. doi: 10.3934/agrfood.2017.4.345.
12. **Dudai, N.**, Shachter, A., Satyal, P. and Stzer, W. (2017). Chemical Composition and Monoterpenoid Enantiomeric Distribution of the Essential Oils from *Apharsemon* (*Commiphora gileadensis*). *Medicines* 4(3): 66; doi:[10.3390/medicines4030066](https://doi.org/10.3390/medicines4030066)
13. Maayan Mendelovich, M., Shoshan, M., Fridlender, M, Mazuz1, M., Namder, D., Nallathambi, R., SelvarajG., Kumari, P., Ion, A., Winingner, S., Nasser, A., Samara, M., Sharvit Y., Kapulnik, Y., **Dudai, N.** and Koltai, H. (2017). Effect of *Ephedra foeminea* active compounds on cell viability and actin structures in cancer cell lines. *Journal of Medicinal Plants Research* 11(43) 690-702
14. Ali-Shtayeh, M.S. , Jamous, R. S., Abu-Zaitoun, S.Y., Akkawi, R. J., Kalbouneh, S.R., **Dudai, N.**, and Bernstein N. (2018). Secondary treated effluent irrigation did not impact chemical composition, and enzyme inhibition activities of essential oils from *Origanum syriacum* var. *syriacum*. *Industrial Crops and Products*. 111:775-786
15. **Dudai, N.**, Li. G., Shachter, A, Belanger, F. and Chaimovitsh, D. (2018). Heredity of phenylpropenes in sweet basil (*Ocimum basilicum* L.) chemotypes and their distribution within an F2 population *Plant Breeding (In press)*.

- 16. Dudai, N.**, Tzion, I., Nitzan, N., Chaimivitch, D, Shachter, A, Zemak Shamir, S. and Haim, A. (2018). Agronomic and economic evaluation of Vetiver Grass (*Vetiveria zizanioides* L.) as means for Phytoremediation of Diesel Polluted Soils in Israel. *J. Environ. Manage.* 211:247-255.
- 17.** Yaniv, Z. and **Dudai, N.** (2014). *Medicinal and Aromatic Plants of the Middle-East*, Springer, The Netherlands, ISBN: 978-94-017-9275-2 (Print) 978-94-017-9276-9 (Online).
- 18.** Havkin Frenkel, D. And **Dudai, N.** (2016) *Biotechnology in Flavor Production – Second Edition*. Wiley-Blackwell, Selangor, Malaysia. ISBN: 978-1-118-35406-3.
- 19. Dudai, N.** and Yaniv, Z (2014). Endemic Aromatic Medicinal Plants in the Holy Land Vicinity. In: Yaniv, Z. and Dudai, N. (Eds) *Medicinal and Aromatic Plants of the Middle-East*, Springer, The Netherlands, pp. 37- 58.
- 20.** Ben Shabat, S., Goloubinoff, P., **Dudai, N.** and Lewinsohn, E. (2014). Farming Amphetamines: Khat (*Catha edulis* Forsk.) a Traditional Plant with Mild Stimulating Psychoactive and Medicinal Properties. In: Yaniv, Z. and Dudai, N. (Eds) *Medicinal and Aromatic Plants of the Middle-East*, Springer, The Netherlands, pp. 181- 197.
- 21. Dudai, N.**, and Belanger F. (2016). Aroma as a factor in the breeding process of fresh herbs – the case of basil. In: Havkin Frenkel, D. and Dudai, N. (Eds) *Biotechnology in Flavor Production – Second Edition*. Wiley-Blackwell, Selangor, Malaysia. ISBN: 978-1-118-35406-3.
- 22. Dudai, N.** and Amar, Z. (2017). Tree wormwood (*Artemisia arborescens*) at Monfort castle: the possible introduction of a medicinal plant from Western Europe to the Latin east in the crusader period. In: Boas, A.J. (Ed.), *Monfort: History, Early Research and Recent Studies of The Principal Fortress of the Teutonic Order in the Latin East*, Brill, Lieden, The Netherlands, 258-265.

Italy

- 1.** Aiello N, Lombardo G, Gianni S, Scartezzini F, Fusani P, 2017. The effect of cold stratification and of gibberellic acid on the seed germination of wild musk yarrow [*Achillea erba-rotta* subsp. *moschata* (Wulfen) I. Richardson] populations, *Journal of Applied Research on Medicinal and Aromatic Plants*, 7: 108-112, DOI: 10.1016/j.jarmap.2017.07.001.
- 2.** Aiello N., Carlini A., Scartezzini F., Fusani P., Berto C., Dall'Acqua S., 2017. Effect of growth substrates on morpho-quantitative and qualitative characteristics of *Echinacea angustifolia* var. *angustifolia* roots, *Journal of Herbs, Spices & Medicinal Plants*, DOI: 10.1080/10496475.2017.1370761
- 3.** Fusani P., Scartezzini F., Aiello N., 2016. Ex-situ evaluation of morphological, agronomic and qualitative traits of a naturalized population of parsley (*Petroselinum crispum* (Mill) Nyman]). *Julius-Kühn-Archiv*, 453: 62-65. DOI 10.5073/jka.2016.453.020
- 4.** Fusani P., Tava A., Vitalini S., Aiello N., Scartezzini F., 2016. Volatile oil features of a naturalized population of parsley [*Petroselinum crispum* (Mill) Nyman] suitable for breeding. *Journal of Essential Oil Research*. DOI: 10.1080/10412905.2016.1222315
- 5.** Aiello N., Carlini A., Scartezzini F., Fusani P., Berto C., Dall'Acqua S., 2015. Harvest in different years of growth influences chemical composition of *Echinacea angustifolia* roots. *Industrial Crops and Products*, 76: 1164–1168.
- 6.** Aiello N., Fusani P., Scartezzini F., Costantino L., 2015. Contenuto e composizione dell'olio essenziale di un'accessione spontanea di salvia officinale in collezione presso il CRA-MPF di Trento. *Natural* 1, 142: 62-65.
- 7.** Aiello N., Carlini A., Fusani P., Scartezzini F. 2014. Seed yield and germination characteristics of wild accessions of *Arnica montana* L. from Trentino (Italy). *Journal of applied research on medicinal and aromatic plants* 1: 30-33.

8. Radanović, D.; Marković, T.; Aiello, N.; Fusani, P., 2014. Cultivation trials on *Gentiana lutea* L. in Southern and South-eastern Europe. *Journal of Applied Research on Medicinal and Aromatic Plants* 1: 4 113-122.

9. Ministero delle politiche agricole alimentari e forestali. 2014. Piano di settore della filiera delle piante officinali 2014-16. Allegato tecnico. Ministero delle politiche agricole alimentari e forestali, Roma, Italy. (*Contribution to the writing of the document*)
(<https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/7562>)

Latvia

1. Sivicka I. (2017). Agronomical behaviour of oregano accessions in ex situ collection. **In:** *abstract book of the Plant phenotyping forum: integrating European plant phenotyping community*, held in Tartu, Estonia, 22 -24 November 2017. P. 64.

2. Sivicka I., Mikštas D. (2017). Agroecological properties of genetic resources of bear's garlic. **In:** *abstract book of the International conference on science and society "Phytomedicine and Biopiracy"*, held in Mainz, Germany, July 24 –28, 2017. Pp. 88. - 89.

3. Sivicka I., Osinska E., Kruma Z., Adamovics A. (2017). Content and composition of essential oil of oregano genetic resources in Latvia. **In:** *abstract book of the 11th Baltic conference on food science and technology "Food science and technology in a changing world, FoodBalt 2017"*, held in Jelgava, April 27-28, 2017. P. 99.

4. Sivicka I. (2016). Activities on genetic resources of medicinal and aromatic plants at Latvia University of Agriculture. **In:** *book of abstracts from international scientific conference "Sustainable utilisation of plant genetic resources for agriculture and food"*, held in Piešťany, Slovak Republic, October 18 – 20, 2016. P. 36.

5. Sivicka I., Alsina I. (2016). Genetic resources of culinary herbs in Latvia: past, present and future. **In:** *abstracts book of the 6th Global Summit on Medicinal and Aromatic Plants*, held in Riga, Latvia, May 24–26, 2016.

6. Sivicka I., Žukauska I., Balode A., Adamovičs A. (2015). Fresh and air-dry biomass of oregano (*Origanum vulgare* L.) accessions. **In:** *proceedings of the 25th NJF Congress "Nordic view to sustainable rural development"*, held in Riga, Latvia, June 16 - 18, 2015. P. 46-51.

7. Sivicka I., Adamovics A., Žukauska I., Osinska E. (2015). The content of linalool in oregano samples. **In:** *abstract book of 10th Baltic conference on food science and technology "Future Food: Innovations, Science and Technology"*, held in Kaunas, Lithuania, May 21-22, 2015. P. 58.

8. Sivicka I., Adamovičs A., Žukauska I. (2014). The content of ascorbic acid in oregano samples. **In:** *book of abstracts of the International symposium "Natural products and drug discovery - future perspectives"*, held in Vienna, Austria, 13-14 November 2014. P. 58

9. Sivicka I. (2014). Лекарственные растения в свете органического земледелия в Латвии: вызовы времени / Medicinal plants in the light of organic agriculture in Latvia: time challenges. **In:** *Плодові, лікарські, технічні, декоративні рослини: актуальні питання інтродукції, біології, селекції, технології культивування: матеріали Міжнародної науково-практичної заочної конференції*, held in Національний ботанічний сад ім. М.М. Гришка НАН України, Київ, Україна, 4 вересня 2014 року. P. 226-228.

Lithuania

1. Çamas N., **Radušienė J.**, Ivanauskas L., Jakštas V., Kayikci S., Çirak C. (2014) Chemical composition of *Hypericum* species from the Taeniocarpium and Drosanthe sections. *Plant Systematics and Evolution*. 300 (5): 953-960.
2. Çirak C., **Radušienė J.**, Ivanauskas L., Jakštas V., Çamas N. (2014) Phenological changes in the chemical content of wild and greenhouse-grown *Hypericum pruinatum*: flavonoids. *Turkish Journal of Agriculture and Forestry*. 38 (3): 362-37.
3. Çamas N., **Radušienė J.**, Ivanauskas L., Jakštas V., Çirak C. (2014) Altitudinal changes in the content of bioactive substances in *Hypericum orientale* and *Hypericum pallens*. *Acta Physiologiae Plantarum*. 36 (3): 675-686.
4. Çirak C., **Radušienė J.**, Ivanauskas L., Jakštas V., Çamas N. (2014) Changes in the content of bioactive substances among *Hypericum montbretii* populations from Turkey. *Revista Brasileira de Farmacognosia - Brazilian Journal of Pharmacognosy*. 24 (1): 20-24.
5. Çirak C., **Radušienė J.**, Aksoy H. M., Mačkinitė R., Stanius Ž., Odabas M. S. (2014) Differential phenolic accumulation in two *Hypericum* species in response to inoculation with *Diploceras hypericinum* and *Pseudomonas putida*. *Plant Protection Science*. 50 (3): 119-128.
6. **Radušienė J.**, Marksa M., Ivanauskas L., Jakštas V., Karpavičienė B. (2015) Assessment of phenolic compounds accumulation in two widespread invasive goldenrods. *Industrial Crops and Products*. 63: 158-166.
7. Çirak C., **Radušienė J.**, Ivanauskas L. et al. (2015) Phenological changes in the chemical content of wild and greenhouse-grown *Hypericum pruinatum*: hypericins, hyperforins and phenolic acids. *Research and Reviews: Journal of Botany*. 4(3): 37–47.
8. Odabas M.S., Radušienė J., Karpavičienė B., Camas N. (2015) Prediction model of the effect of light intensity on phenolic contents in *Hypericum triquetrifolium* Turra. *Bulgarian Chemical Communications*. 47 (2): 467-471.
9. Çirak C., **Radušienė J.**, Ivanauskas L., Jakstas V., Çamas N., (2015) Population variability of main secondary metabolites in *Hypericum lydium* Boiss. (Hypericaceae). *Iranian Journal of Pharmaceutical Research*. 14(3): 969-978.
10. Karpavičienė B., Radušienė J., Viltrakytė J., 2015: Distribution of two invasive goldenrod species *Solidago canadensis* and *S. gigantea* in Lithuania. *Botanica Lithuanica*. 21(2): 125-132.
11. Odabas, M.S, **Radušienė, J.**, Ivanauskas, L., Jakstas, V., Camas, N., Kayikci, S. (2016) Secondary metabolites in *Hypericum* species and their distribution in different plant parts. *Zemdirbyste-Agriculture*, 103 (2): 193-198.
12. Marksa M., **Radušienė J.**, Jakštas V., Ivanauskas L., Marksienė R. (2016) Development of an HPLC post-column antioxidant assay for *Solidago canadensis* radical scavengers. *Natural Product Research*. 30(5): 536-543.
13. Çirak C., **Radušienė J.**, Jakštas V., Ivanauskas L., Seyis F., Yayla F. (2016) Secondary metabolites of seven *Hypericum* species growing in Turkey. *Pharmaceutical Biology*. 54 (10): 2244-2253.
14. Seyis F., **Radušienė J.**, Ivanauskas L., Jakštas V., Çirak C. (2016) Morphogenetic and phenological changes in phenolic content of *Hypericum leptophyllum*, an endemic Turkish species. *Israel Journal of Plant Sciences*. 63 (2): 96-104.
15. Karpavičienė B., **Radušienė J.** (2016) Morphological and anatomical characterization of *Solidago x niederederi* and other sympatric *Solidago* species. *Weed Science*. 64 (1): 61-70.

16. Çirak C., **Radušienė J.**, Jakštas V., Ivanauskas L., Yayla F., Seyis F., Çamas N. (2016) Secondary metabolites of *Hypericum* species from the Drosanthe and Olympia sections. *South African Journal of Botany*. 104: 82-90.
17. Çirak C., **Radušienė J.**, Jakštas V., Ivanauskas L., Seyis F., Yayla F. (2017) Altitudinal changes in secondary metabolite contents of *Hypericum androsaemum* and *Hypericum polyphyllum*. *Biochemical Systematics and Ecology*. 70: 108-115.
18. Cirak C., **Radusiene J.**, Jakstas V., Ivanauskas L., Yayla F., Kurt D. (2017) Amentoflavone and mangiferin in *Hypericum calycinum*, *Hypericum cardiophyllum* and *Hypericum bithynicum*. *Journal of Herbal Sciences*, 6(1), 10-13.
19. Sveistyte L., Radusiene J., Labokas J., Karpaviciene B., Loziene K. (2016) Conservation of medicinal and aromatic plants. 6th International Symposium Breeding Research on Medicinal and Aromatic Plants (BREEDMAP 6). Quedlinburg, Germany, June 19-23. Julius-Kuhn-Archiv vol. 453: 128-130.
20. Conservation of crop wild relative genetic resources in Lithuania. Bronislovas Gelvonauskis, Laima Šveistytė, Juozas Labokas, Dalia Gelvonauskienė. International Conference on Enhanced genepool utilization – Capturing wild relative and landrace diversity for crop improvement, Cambridge, United Kingdom, 16-20 June 2014. Book of Abstracts. Bioversity International, Rome, Italy. 122 p.
21. Long term conservation of medicinal and aromatic plants in Lithuania. Laima Šveistytė, Birutė Markevičienė, Raimondas Baltrėnas. MESMAP–2, Abstract book, April 22-25, 2015, Antalya, Turkey. ISBN: 978-605-61261-1-6.
22. Medicinal plants use in Lithuania – past and present“. Laima Šveistytė. „Rural History. Panel „Towards a sustainable use of medicinal plants. Historical perspectives on foraging, cultivation and use of medicinal plants in European countries“, Leuven, Belgique, 2017.

Slovenia

1. Senica, M., **Baricevic, D.**, Brvar, M. (2014). Adverse effects and intoxications related to medicinal/harmful plants. *Acta agriculturae Slovenica* (ISSN 1581-9175), 2014, 103, 263-270.
2. Anžlovar, S., Baricevic, D., Ambrozic, J., Dolenc Koce, J. (2014). Essential oil of common thyme as a natural antimicrobial food additive. *Food technology and biotechnology : journal of the Faculty of Food Technology and Biotechnology University of Zagreb*, ISSN 1330-9862, 2014, 52 (2), 263-268.
3. Baricevic, D., Máthé, Á., Bartol, T. (2015). Conservation of wild crafted medicinal and aromatic plants and their habitats. In: MÁTHÉ, Ákos (Ed.). *Medicinal and aromatic plants of the world : scientific, production, commercial and utilization aspects*, (Medicinal and aromatic plants of the world, volume 1). Dordrecht: Springer. 2015, 131-144.
4. Bartol, T., Baricevic, D. (2015). Medicinal and aromatic plants in scientific databases. In: MÁTHÉ, Ákos (Ed.). *Medicinal and aromatic plants of the world : scientific, production, commercial and utilization aspects*, (Medicinal and aromatic plants of the world, volume 1). Dordrecht: Springer. 2015, 359-373.
5. Resetnik, I., Baricevic, D., Batir Rusu, D., Carovic Stanko, K., Chatzopoulou, P., Dajic Stevanovic, Z., Goncariuc, M., Grdisa, M., Greguras, D. et al. (2016). Genetic diversity and demographic history of wild and cultivated/naturalised plant populations: evidence from Dalmatian sage (*Salvia officinalis* L., Lamiaceae). *PloS one*, ISSN 1932-6203, Jul. 2016, vol. 11, iss. 7, e0159545, doi: [10.1371/journal.pone.0159545](https://doi.org/10.1371/journal.pone.0159545).
6. Baricevic, D., Luthar, Z. (2016). Genetic erosion and significance of conservation of cultivated and wild plant genetic resources. In: Luthar, Z (Ed.). *Lecture abstracts*, Second meeting on conservation and

sustainable use of plant genetic resources., Ljubljana, May 16th 2016. Ljubljana: Biotechnical Faculty, Agronomy Department. 2016, 8-9.

7. Baricevic, D., Ferant, N. (2017). *In situ* conservation of Medicinal and Aromatic plant genetic resources. In: Ferant, N. (Ed.). *Lecture abstracts*, Third meeting on conservation and sustainable use of plant genetic resources., Zalec, June, 1st 2017. Zalec: The Slovenian Institute of Hop Research and Brewing. 2017, 21-22.

Macedonia FYR

1. Rešetnik I, Baričević D, Batir Rusu D, Carović-Stanko K, Chatzopoulou P, Dajić-Stevanović Z, Goncariuc M, Grdiša M, Greguraš D, Ibraliu A, Jug-Dujaković M, Krasniqi E, Liber Z, Murtić S, Pećanac D, Radosavljević I, Stefkov G, Stešević D, Šoštaric I, Šatović Z. Genetic Diversity and Demographic History of Wild and Cultivated/Naturalised Plant Populations: Evidence from Dalmatian Sage (*Salvia officinalis* L., Lamiaceae). *PLoS One*. 2016 Jul 21; 11(7).

2. Avni Hajdari, Behxhe Mustafa, Arjeta Kaçiku, Xhavit Mala, Brigitte Lukas, Alban Ibraliu, Gjoshe Stefkov and Johannes Novak. Chemical Composition of the Essential Oil, Total Phenolics, Total Flavonoids and Antioxidant Activity of Methanolic Extracts of *Satureja montana* L. *Rec. Nat. Prod.* 10:6 750-760, 2016.

3. A.Poceva Panovska, J.Acevska, G.Stefkov, K.Brezovska, R.Petkovska, A.Dimitrovska. Optimization of HS-GC-FID-MS Method for Residual Solvent Profiling in Active Pharmaceutical Ingredients Using DoE. *Journal of Chromatographic Science* 54/2: 103-111, 2016.

4. Ivana Cvetkovikj, Gjoshe Stefkov, Jelena Acevska, Marija Karapandzova, Aneta Dimitrovska, Svetlana Kulevanova. Headspace screening: A novel approach for fast quality assessment of the essential oil from culinary sage. *Food Chemistry*; Jul 1; 202:133-40, 2016

5. G. Petruševski, J.Acevska, G.Stefkov, A.Poceva Panovska, I.Micovski, R.Petkovska, A.Dimitrovska, S.Ugarkovic. Characterization and origin differentiation of morphine derivatives by DSC/TG and FTIR analysis using pattern recognition techniques. *Journal of Thermal Analysis and Calorimetry*, 109:18-27, 2015.

6. Yunus Dogan, Anely Nedelcheva, Lukasz Luczaj, Constantin Dragulescu, Gjoshe Stefkov, Aida Maglajlic, Jonathan Ferrier, Nora Papp, Avni Hajdari, Behchet Mustafa, Zora Dajic-Stevanovic, Andrea Pieroni. Of the importance of a leaf: the ethnobotany of *sarma* in Turkey and the Balkans. *Journal of Ethnobiology and Ethnomedicine*, 11:25, 2015.

7. Ljubica Adji Andov, Marija Karapandzova, Blagica Jovanova, Gjoshe Stefkov, Ivana Cvetkovikj Karanfilova, Tatjana Kadifkova Panovska, Svetlana Kulevanova. Antioxidative potential of *Chenopodium botrys* L. (Amaranthaceae), Macedonian pharmaceutical bulletin 61(2), 3-10 (2015).

8. Nefrus Cheliku, Ivana Cvetkovikj Karanfilova, Gjoshe Stefkov, Marija Karapandzova, Nikoll Bardhi, Bujar Qjazimi, Svetlana Kulevanova. Essential oil composition of five Basil cultivars (*Ocimum basilicum*) from Albania, Macedonian pharmaceutical bulletin 61(2), 11-18 (2015).

9. Acevska, J., Stefkov, G., Cvetkovikj, I., Petkovska, R., Kulevanova, S., Cho, J., & Dimitrovska, A. (2015). Fingerprinting of morphine using chromatographic purity profiling and multivariate data analysis. *Journal of Pharmaceutical and Biomedical Analysis*, 10, 18-27, 2015.

10. Marija Karapandzova, Gjoshe Stefkov, Ivana Cvetkovikj, Jasmina Petreska-Stanoeva, Marina Stefova, Svetlana Kulevanova, Flavonoids and Other Phenolic Compounds in Needles of *Pinus peuce* and Other Pine Specie from Macedonian Flora. *Natural Product Communication*; 10(6):987-990. 06/2015.

11. Nikoll Bardhi, Gjoshe Stefkov, Marija Karapandzova, Ivana Cvetkovikj and Svetlana Kulevanova, Essential oil composition of indigenous populations of *Hypericum perforatum* L. southern Albania. *Macedonian Journal of Chemistry and Chemical Engineering*, 34 (2), 2015.
12. Floresha Sela, Marija Karapandzova, Gjose Stefkov, Ivana Cvetkovikj, Svetlana Kulevanova. Chemical Composition and Antimicrobial Activity of Essential Oils of *Juniperus excelsa* Bieb. (Cupressaceae) Grown in R. Macedonia. *Pharmacognosy research*, 7 (1) 2015.
13. Ivana Cvetkovikj, Gjoshe Stefkov, Marija Karapandzova, Svetlana Kulevanova and Zlatko Satovic, Chemical Diversity of South-East European Populations of *Salvia officinalis* L. *Chemistry & Biodiversity*, 12 (7), 1025-1039, 2015
14. Gjoshe Stefkov, Biljana Miova, Suzana Dinevska-Kjovkarovska, Jasmina Petreska Stanoeva, Marina Stefova, Gordana Petrusavska and Svetlana Kulevanova. Chemical characterization of *Centaurea erythraea* L. and its effects on carbohydrate and lipid metabolism in experimental diabetes. *Journal of ethnopharmacology*, 152, 71-77, 2014.
15. Gjoshe Stefkov, Slavcho Hristovski, Jasmina Petreska Stanoeva, Marina Stefova, Ljupcho Melovski and Svetlana Kulevanova. Resource assessment and economic potential of bilberries (*Vaccinium myrtillus* and *Vaccinium uliginosum*) on Osogovo Mtn., R Macedonia. *Industrial Crops and Products*, 61, 145-150, 2014.
16. Marija Karapandzova, Gjose Stefkov, Ivana Cvetkovikj, Elena Trajkovska-Dokik, Ana Kaftandzieva, Svetlana Kulevanova. Chemical Composition and Antimicrobial Activity of the Essential Oils of *Pinus peuce* Griseb. (Pinaceae) Growing Wild in R. Macedonia. *Natural Product Communication*, 9 (11) 2014.
17. Bujar Qazimi, Gjoshe Stefkov, Marija Karapandzova, Ivana Cvetkovikj and Svetlana Kulevanova, Aroma Compounds of Mountain Tea (*Sideritis scardica* and *S. raeseri*) from Western Balkan, *Natural Product Communication*, 9 (9) 2014.
18. Ilija Mitrevski, Jasmina Petreska Stanoeva, Marina Stefova, Gjoshe Stefkov and Svetlana Kulevanova. Polyphenols in Representative *Teucrium* Species in the Flora of R. Macedonia: LC/DAD/EDI-MSⁿ Profile and Content, *Natural Product Communication*, 9 (2) 2014.
19. Hamidi R. Mentor, Jovanova Blagica, Karapandzova Marija, Stefkov Gjoshe, Cvetkovikj Ivana, Kulevanova Svetlana, Kadifkova Panovska Tatjana, Toxicological Evaluation of *Juniperus* species from flora of the R. Macedonia, Full paper Book of 8th Conference on Medicinal and Aromatic Plants of Southeast European Countries, Dures, Albania, May 2014.

Malta

1. Theuma, M., Gambin, C., & Attard, E. (2015). Physicochemical Characteristics of the Maltese Grapevine Varieties—Gellewza and Girgentina. *Journal of Agricultural Science*, 7(4), 61-67. DOI: 10.5539/jas.v7n4p61.
2. Caruana, U., Attard, E. (2016). An Ethno Botanical Survey of Medicinal Plants Used in the Island of Gozo. *Ethno Med*, 10(2): 269-281.

Norway

1. Martinusse, I., Hykkerud, A.L., Paponov, I., Thomsen, M., Uleberg, E. And Jaakola, L. 2017. Light and temperature effects on growth and accumulation of plant secondary metabolites. Nordic Plant Biology Days 2017. 27th SPPS Congress, Naantali, 16-18.8.
2. Thomsen, M.G, Nybø, T., Aassveen, M. & Eltun, R. 2017. Hops, herbs and malt – The Norwegian way. *Scandinavian Brewers Review*. 74:1.

3. Solberg, S.Ø., Brantestam, A.K., Kylin, M., Bjørn, G.K. & Thomsen, M.G. 2014. A diversity study of the Danish and Norwegian collections of hops (*Humulus lupulus* L.). *Biochemical Systematics and Ecology*. 52: 53-59.

4. Thomsen, M.G.; Martinussen, I.; Clark, J.L. & Almvik, M. 2013. Variation in chemical content in germplasm collection of *Rhodiola rosea* and selection of new lines. *Proceeding, 2. Nat. PlantBio Conference, Norway, Tromsø*. 2013

5. Stangeland, T. & Thomsen, M.G. 2013. Use of *Artemisia annua* for better control of coccidiosis in husbandry. *Proceeding, 2. Nat. PlantBio Conference, Norway, Tromsø*. 2013

Poland

1. Bączek K., Przybył J.L., Mirgos M., Kosakowska O., Szymborska-Sandhu I., Węglarz Z. 2017. Phenolics in *Primula veris* L. and *P. elatior* (L.) Hill raw materials. *International Journal of Analytical Chemistry*: ID 2871579, 7 pp.

2. Kosakowska O., Bączek K., Przybył J.L., Pióro-Jabrucka E., Węglarz Z. 2016. Chemical variability of common scullcap (*Scutellaria galericulata* L.) wild growing in the area of eastern Poland. *Herba Polonica* 62(3): 7-19.

3. Bączek K., Pióro-Jabrucka E., Pawełczak A., Węglarz Z. Influence of storage and pre-sowing treatment of southern sweet-grass on their germination and initial growth of seedlings. *Herba Polonica* 62(2): 31-41.

4. Bączek K., Kosakowska O., Przybył J.L., Kuźma P., Ejdys M., Obiedziński M., Węglarz Z. 2015. Intraspecific variability of yarrow (*Achillea millefolium* L. s.l.) in respect of developmental and chemical traits. *Herba Polonica* 61(3): 37-52.

5. Bączek K., Szymborska-Sandhu I., Pawełczak A., Węglarz Z. 2015. *In vitro* propagation of bastard balm (*Melittis melissophyllum* L.). *Herba Polonica* 61(3): 67-76.

6. Bączek K. 2014. Accumulation of biomass and phenolic compounds in Polish and Mongolian great burnet (*Sanguisorba officinalis* L.) populations. *Herba Polonica* 60(3): 44-55.

7. Kuczerenko A., Bączek K., Przybył J.L., Węglarz Z. 2014. Intraspecific variability of wild growing and cultivated common avens (*Geum urbanum* L.) in respect of accumulation of phenolic compounds. *Polish Journal of Agronomy* 18: 30-35.

8. Pawełczak A., Bączek K., Przybył J.L., Kołakowska J., Węglarz Z. 2014. Developmental and chemical characteristics of four populations of roseroot (*Rhodiola rosea* L.) in the first year of plant vegetation. *Polish Journal of Agronomy* 16: 31-36.

9. Kosakowska O., Pióro-Jabrucka E., Bączek K., Obiedziński M., Węglarz Z. 2017. Intraspecific variability of sweet basil (*Ocimum basilicum* L.) in special respect to essential oil content and composition. 48th International Symposium on Essential Oils, Pecs, Hungary, 10-13 September, *Natural Volatiles and Essential Oils*: P-11.

10. Szymborska-Sandhu I., Pióro-Jabrucka E., Bączek K., Węglarz Z. 2017. Characteristics of *Melittis melissophyllum* L. wild growing populations from the region of eastern Poland. *Scientific symposium "Genetic Resources of Utility Plants for Breeding"*, Kazimierz Dolny, Poland, 6-8 September, *Book of Abstracts*: 80.

11. Bączek K., Przybył J.L., Kosakowska O., Węglarz Z. 2016. Accumulation of biomass and biologically active compounds in *Saposhnikovia divaricate* cultivated in Poland. 6th Global Summit on Medicinal And Aromatic Plants, Riga, Latvia, 23-26 May, *Book of Abstracts*: 35.

12. Bączek K., Pawełczak A., Chmielecki R., Węglarz Z. 2016. Developmental and chemical diversity of *Valeriana officinalis* L. 6th Global Summit on Medicinal And Aromatic Plants, Riga, Latvia, 23-26 May, Book of Abstracts: 21.
13. Pióro-Jabrucka E., Bączek K., Chmielecki R., Węglarz Z. 2016. The influence of storing period and temperature on Valerian seeds sowing value. 6th Global Summit on Medicinal And Aromatic Plants, Riga, Latvia, 23-26 May, Book of Abstracts: 56.
14. Kosakowska O., Bączek K., Pawełczak A., Przybył J.L., Węglarz Z. 2016. Intraspecific variability of *Origanum* sp. in respect of developmental and chemical traits. 6th Global Summit on Medicinal And Aromatic Plants, Riga, Latvia, 23-26 May, Book of Abstracts: 15.
15. Bączek K., Kosakowska O., Przybył J.L., Pióro-Jabrucka E., Angielczyk M., Węglarz Z. 2016. Evaluation of collection materials of wild growing medicinal and aromatic plants from domestic and foreign expeditions. Conference "Collections of Utility Plants in the Light of the Global Plant Protection Strategy 2020", Koryciny, Poland 13-16 June, Book of Abstracts: 20.
16. Adamczak A, Gryszczyńska A, Buchwald W. Biometric and phytochemical variability of roseroot (*Rhodiola rosea* L.) from field cultivation. *Herba Polonica* 2014; 60 (1): 7-17
17. Buchwald W, Mordalski R, Kucharski WA, Gryszczyńska A, Adamczak A. 2015. Effect of fertilization on roseroot (*Rhodiola rosea* L.) yield and content of active compounds. *Acta Scientiarum Polonorum Hortorum Cultus* 14 (2): 109-121
18. Adamczak A, Buchwald W, Gryszczyńska A. 2016. Biometric features and content of phenolic compounds of roseroot (*Rhodiola rosea* L.). *Acta Societatis Botanicorum Poloniae* 85 (3): 3500 (1-10)
19. Forycka A, Adamczak A, Opala B, Gryszczyńska A, Buchwald W. Yield and level of phenolic compounds in the inflorescence of yellow everlasting *Helichrysum arenarium* (L.) Moench collected from natural sites. *Herba Polonica* 2016; 62 (4): 11-21
20. Kowalska J., Remlein-Starosta D., **Seidler-Łożykowska K.**, Bocianowski J. 2014: Influence of *Trichoderma asperellum* [T1] on growth of lemon balm (*Melissa officinalis* L.) in different system of cultivation. *Acta Scientiarum Polonorum Hortorum Cultus* 13 (1): 91-102. **IF 0,674**
21. **Seidler-Łożykowska K.**, Mordalski R., Król D., Karpińska E., Bocianowski J. 2014: Yielding and quality of sage herb (*Salvia officinalis* L.) from organic cultivation. *Biological Agriculture & Horticulture. An International Journal for Sustainable Production System.* 31(1): 53-60. **IF 0,381**
22. **Seidler-Łożykowska K.**, Kuczyńska A., Mikołajczyk K., Nowakowska J., Bocianowski J. 2014: Estimation of genetic distance among genotypes of caraway (*Carum carvi* L.) using RAPD-PCR. *Acta Scientiarum-Agronomy* 36 (2): 183-188. **IF 0,336**
23. **Seidler-Łożykowska K.** Mordalski R. Kucharski W. Kędzia B. Bocianowski J. 2014: Yielding and quality of lavender flowers (*Lavandula angustifolia* Mill.) from organic cultivation. *Acta Scientiarum Polonorum Hortorum Cultus* 13 (6): 173-183. **IF 0,674**
24. **Seidler-Łożykowska K.** Mordalski R. Kucharski W. Kędzia E. Bocianowski J. 2015: Effect of organic cultivation on yield and quality of lemon balm herb (*Melissa officinalis* L.). *Acta Scientiarum Polonorum Hortorum Cultus* 14 (5): 55-67. **IF 0,552**
25. Nemeth-Zamborine E., Pluhar Zs., Szabo D., **Seidler-Łożykowska K.**, Szabo K. 2015: Influence of growing location and variety on the essential oil content of *Melissa officinalis* L. and *Thymus vulgaris* L. *Nat. Volatiles & Essential Oils* 2(4):1-3.
26. **Seidler-Łożykowska K.**, Kędzia B., Bocianowski J., Gryszczyńska A., Łowicki Z., Opala B., Pietrowiak A. 2016: Content of alkaloids in celandine (*Chelidonium majus* L.) herb at the selected developmental phases. *Acta Scientiarum Polonorum Hortorum Cultus* 15 (4): 161-171. **IF 0,552**

27. Seidler-Łożykowska K., Winiarczyk K., Gębura J., Bocianowski J. 2016: Vitality and germination of lemon balm (*Melissa officinalis* L.) seeds. Journal of Applied Botany and Food Quality 89: 156-162. **IF 0,758**

28. Nemeth-Zamborine E., Pluhar Zs., Szabo K., Malekzadeh M., Radacsi P., Inotai K., Komaromi B., **Seidler-Łożykowska K.** 2016: Effect of water supply on growth and polyphenols of lemon balm (*Melissa officinalis* L.) and thyme (*Thymus vulgaris* L.). Acta Biologica Hungarica 67 (1): 64-74. **IF 0,589**

29. Seidler-Łożykowska K., Zawirska-Wojtasiak R., Wojtowicz E., Bocianowski J. 2017: Essential oil content and its composition in herb of lemon balm breeding strains. Journal of Essential Oil Research. 29 (4): 351-356. DOI: 10.1080/10412905.2016.1278407. **IF 0,787**

30. Rosińska A., Dorna H., Szopińska D., **Seidler-Łożykowska K.** 2017. The effect of colour grading of *Silybum marianum* (L.) Gaertn. seeds on their quality. Herba Pol. 63 (1): 7-19.

31. Wielgusz K., **Seidler-Łożykowska K.** 2017: Fungi colonizing and damaging different parts of some medicinal plants. Herba Pol. 63 (2): 16-24.

32. Nemeth-Zambori E., Szabo K., Rajhart P., Inotai K., **Seidler-Łożykowska K.**, Radacsi P. 2017: Variability of phenolic compounds of four aromatic Lamiaceae species in consequence of different water supply. Acta Scientiarum Polonorum Hortorum Cultus 16(4): 13-24. **IF 0,552**

Portugal

1. Figueiredo A. C., J. G. Barroso, L. G. Pedro, M. M. Oliveira (2014) *Guia prático de Biologia Celular*, 1ª ed. da Faculdade de Ciências da Universidade de Lisboa, Centro de Biotecnologia Vegetal (versão pdf online e versão impressa) (ISBN: 978-989-20-3852-0; ISBN: 978-989-20-3850-6)

2. Figueiredo A. C., L. G. Pedro, J. G. Barroso, H. Trindade, J. Sanches, C. Oliveira, M. Correia (2014) *Mentha pulegium* L.. *Agrotec* 10: 32-55.

3. Figueiredo A. C., L. G. Pedro, J. G. Barroso, H. Trindade, J. Sanches, C. Oliveira, M. Correia (2014) *Lavandula luisieri* (Rozeira) Rivas-Martínez e *Lavandula pedunculata* (Mill.) Cav. *Agrotec* 11: 38-41.

4. Figueiredo A. C., L. G. Pedro, J. G. Barroso, H. Trindade, J. Sanches, C. Oliveira, M. Correia (2014) *Pinus pinaster* Aiton e *Pinus pinea* L. *Agrotec* 12: 23-27.

5. Figueiredo A. C., L. G. Pedro, J. G. Barroso, H. Trindade, J. Sanches, C. Oliveira, M. Correia (2014) *Juniperus navicularis* Gand. *Agrotec* 13: 20-23.

6. Figueiredo A. C., L. G. Pedro, J. G. Barroso (2014) Plantas aromáticas e medicinais - Óleos essenciais e voláteis. *Revista da Associação Portuguesa de Horticultura* 114: 29-33.

7. Figueiredo A. C., J. G. Barroso, L. G. Pedro (2014) Extractos de PAM. In J. Cunha (Coord.) Guia para a produção de plantas aromáticas e medicinais: uma recolha de informação e boas práticas para a produção de plantas aromáticas e medicinais em Portugal. Ficha 8 pp. 1-9, no âmbito do Projeto Formar para a Produção de Plantas Aromáticas e Medicinais em Portugal promovido pela ADCMoura.

8. Figueiredo A. C., L. G. Pedro, J. G. Barroso (2017) Voláteis e óleos essenciais. Parte I/II. *Agrotec* 24: 14-17.

9. Figueiredo A. C., L. G. Pedro, J. G. Barroso (2017) Voláteis e óleos essenciais. Parte II/II. *Agrotec* 25: 14-17.

10. Trindade H., S. C. Lucas, J. Franco, A. V. Assunção, A. C. Figueiredo (2014) Contributo para a caracterização de uma variedade de pêra tida como Portuguesa (*Pyrus communis* L.). *Actas Portuguesas de Horticultura* 23: 3º Simpósio Nacional de Fruticultura, pp. 478-485.

11. Figueiredo A. C., J. G. Barroso (2015) Medicinal and aromatic plants (MAP): how do they adapt to the environment? *In: Medicinal and Aromatic Plants of the World*. Akos Mathé (Ed.) Volume 1, Chapter 5, pp. 87-112. Springer, The Netherlands (ISBN: 978-94-017-9810-5).
12. Figueiredo A. C., L. G. Pedro, J. G. Barroso (2015) Óleos essenciais e outros extratos de plantas. *In: D. Mourato, F. Falcão (Eds) Cosmética e Saboaria Natural*, pp. 21-24. Prime Books, Lisboa (ISBN 978-989-655-266-4)
13. Miguel M. G., A. C. Figueiredo (2017) Propolis and geopropolis volatiles. *In: Bee Products - Chemical and Biological Properties*. J.M. Alvarez-Suarez (Ed.), Chapter 6, pp. 113-136. Springer. ISBN: 978-3-319-59688-4 (Print) 978-3-319-59689-1 (Online). DOI 10.1007/978-3-319-59689-1
14. Miguel M. G., M. D. Antunes, A. Rohaim, A. C. Figueiredo, L. G. Pedro, J. G. Barroso (2014) Stability of fried olive and sunflower oils enriched with *Thymbra capitata* essential oil. *Czech Journal of Food Sciences* 32: 102-108.
15. Belhattab R., L. Amor, J. G. Barroso, L. G. Pedro, A. C. Figueiredo (2014) Essential oil from *Artemisia herba-alba* Asso grown wild in Algeria: variability assessment and comparison with an updated literature survey. *Arabian Journal of Chemistry* 7: 243–251.
16. Teixeira M. L., M. das G. Cardoso, A. C. S. Figueiredo, J. C. Moraes, F. A. Assis, J. de Andrade, D. L. Nelson, M. de S. Gomes, J. A. de Souza, L. R. M. de Albuquerque (2014) Essential oils from *Lippia organoides* Kunth. and *Mentha spicata* L.: Chemical composition, insecticidal and antioxidant activities. *American Journal of Plant Sciences* 5: 1181-1190.
17. de Miranda C. A. S. F., M. das G. Cardoso, M. L. M. de Carvalho, A. C. S. Figueiredo, D. L. Nelson, C. M. de Oliveira, M. de S. Gomes, J. de Andrade, J. A. de Souza, L. R. M. de Albuquerque (2014) Chemical composition and allelopathic activity of *Parthenium hysterophorus* and *Ambrosia polystachya* weeds essential oils. *American Journal of Plant Sciences* 5: 1248-1257.
18. Aazza S., B. Lyoussi, C. Megías, I. Cortés-Giraldo, J. Vioque, A. C. Figueiredo, M. G. Miguel (2014) Anti-oxidant, anti-inflammatory and anti-proliferative activities of Moroccan commercial essential oils. *Natural Product Communications* 9: 587-594.
19. Mota L., A. C. Figueiredo, L. G. Pedro, J. G. Barroso, L. Ascensão (2014) Volatile oils composition and bioactivity of the essential oils of *Plectranthus barbatus*, *P. neochilus* and *P. ornatus* grown in Portugal. *Chemistry & Biodiversity* 11: 719-732.
20. Mendes M. D., A. C. Figueiredo, M. M. Oliveira, H. Trindade (2014) Influence of culture media and fungal extracts on essential oils composition and on terpene synthase gene expression in *Thymus caespititius*. *Plant Cell Tissue and Organ Culture* 118: 457–469.
21. Faria J. M. S., I. Sena, C. M. Maleita, I. Vieira da Silva, L. Ascensão, I. Abrantes, R. N. Bennett, M. Mota, A. C. Figueiredo (2014) *In vitro* co-culture of *Solanum tuberosum* hairy roots with *Meloidogyne chitwoodi*: structure, growth and production of volatiles. *Plant Cell Tissue and Organ Culture* 118: 519–530.
22. Tefiani C., F. Youcefi, A. Riazi, S. Aazza, C. Gago, M. L. Faleiro, L. G. Pedro, J. G. Barroso, A. C. Figueiredo, C. Megías, I. Cortés-Giraldo, J. Vioque, M. G. Miguel (2015) *Ammoides pusilla* (Apiaceae) and *Thymus munbyanus* (Lamiaceae) from Algeria essential oils: chemical composition, antimicrobial, antioxidant and antiproliferative activities. *Journal of Essential Oil Research* 27: 131-139.
23. Rocha D. K., O. Matos, M. T. Novo, A. C. Figueiredo, M. Delgado, C. Moiteiro (2015) Larvicidal activity against *Aedes aegypti* of *Foeniculum vulgare* essential oils from Portugal and Cape Verde. *Natural Product Communications* 10: 677-682.
24. Saavedra T., S. A. Dandlen, M. A. Neves, D. Martins, M. D. Antunes, A. C. Figueiredo, L. G. Pedro, J. G. Barroso, M. G. Miguel (2015) Stability of olive oils during storage in the presence of *Thymbra*

capitata essential oil. *Agro-Food Industry Hi Tech* 26: 61-65.

25. Faria J. M. S., I. Sena, I. Vieira da Silva, B. Ribeiro, P. Barbosa, L. Ascensão, R. N. Bennett, M. Mota, A. C. Figueiredo (2015) *In vitro* co-cultures of *Pinus pinaster* with *Bursaphelenchus xylophilus*: a biotechnological approach to study Pine Wilt Disease. *Planta* 241: 1325–1336.
26. Andrade M. A., M. das Graças Cardoso, M. de Souza Gomes, C. M. O. de Azeredo, L. R. Batista, M. J. Soares, L. M. A. Rodrigues, A. C. S. Figueiredo (2015) Biological activity of the essential oils from *Cinnamodendron dinisii* and *Siparuna guianensis*. *Brazilian Journal of Microbiology* 46: 189-194.
27. Miguel M. G., C. Gago, M. D. Antunes, C. Megías, I. Cortés-Giraldo, J. Vioque, A. S. Lima, A. C. Figueiredo (2015) Antioxidant and antiproliferative activities of the essential oils from *Thymbra capitata* and *Thymus* species grown in Portugal. *Evidence-Based Complementary and Alternative Medicine* Article Number: 851721.
28. Rocha D., M. Novo, O. Matos, A. C. Figueiredo, M. Delgado, M. D. Cabral, M. Liberato, C. Moiteiro (2015) Potential of *Mentha pulegium* for mosquito control. *Revista de Ciências Agrárias* 38: 155-165.
29. Faria J. M. S., I. Sena, C. Moiteiro, R. N. Bennett, M. Mota, A. C. Figueiredo (2015) Nematotoxic and phytotoxic activity of *Satureja montana* and *Ruta graveolens* essential oils on *Pinus pinaster* shoot cultures and *P. pinaster* with *Bursaphelenchus xylophilus* *in vitro* co-cultures. *Industrial Crops and Products* 77: 59–65.
30. Falcão S. I., C. Freire, A. C. Figueiredo, M. Vilas-Boas (2016) The volatile composition of Portuguese propolis towards its origin discrimination. *Rec. Nat. Prod.* 10: 176-188.
31. Miranda C. A. S. F., M. das G. Cardoso, L. R. Batista, L. M. A. Rodrigues, A. C. da S. Figueiredo (2016) Óleos essenciais de folhas de diversas espécies: propriedades antioxidantes e antibacterianas no crescimento espécies patogênicas. *Revista Ciência Agrônômica* 47: 213-220.
32. Miguel M. G., S. Aazza, M. D. Antunes, M. L. Faleiro, J. G. Barroso, L. G. Pedro, A. C. Figueiredo (2016) Mineral and volatile composition of *Água-mel* from Portugal. *European Food Research and Technology* 242: 171–178.
33. Hennia A., M. G. Miguel, M. Brada, S. Nemmiche, A. C. Figueiredo (2016) Composition, chemical variability and effect of distillation time on leaf and fruits essential oils of *Myrtus communis* from north western Algeria. *Journal of Essential Oil Research* 28: 146-156.
34. Faria J. M. S., I. Sena, B. Ribeiro, A. M. Rodrigues, C. M. N. Maleita, I. Abrantes, R. N. Bennett, M. Mota, A. C. Figueiredo (2016) First report on *Meloidogyne chitwoodi* hatching inhibition activity of essential oils and essential oils fractions. *Journal of Pest Science* 89: 207–217.
35. Aazza S., S. El-Guendouz, M. G. Miguel, M. D. Antunes, M. L. Faleiro, A. I. Correia, A. C. Figueiredo (2016) Antioxidant, anti-inflammatory and anti-hyperglycaemic activities of essential oils from *Thymbra capitata*, *Thymus albicans*, *Thymus caespitius*, *Thymus carnosus*, *Thymus lotocephalus* and *Thymus mastichina* from Portugal. *Natural Product Communications* 11: 1029-1038.
36. Dias P., A. Martins, A. C. Figueiredo, A. P. Rauter (2016) Flower colour and essential oil composition in *Erica australis* L. grown in Portugal. *Journal of Essential Oil Bearing Plants* 19: 1013-1018.
37. Faria J. M. S., A. M. Rodrigues, I. Sena, C. Moiteiro, R. N. Bennett, M. Mota, A. C. Figueiredo (2016) Bioactivity of *Ruta graveolens* and *Satureja montana* essential oils on *Solanum tuberosum* hairy roots and *S. tuberosum* hairy roots with *Meloidogyne chitwoodi* co-cultures. *J. Agric. Food Chem.* 64: 7452–7458.
38. Trindade H., I. Sena, A. C. Figueiredo (2016) Characterization of α -pinene synthase gene in *Pinus pinaster* and *P. pinea* *in vitro* cultures and differential gene expression following *Bursaphelenchus xylophilus* inoculation. *Acta Physiologiae Plantarum* 38: 143.

39. Soares C., H. Morales, J. Faria, A. C. Figueiredo, L.G. Pedro, A. Venâncio (2016) Inhibitory effect of essential oils on growth and on aflatoxins production by *Aspergillus parasiticus*. *World Mycotoxin Journal* 9: 525-534.
40. Benites J., C. Moiteiro, A. C. Figueiredo, P. Rijo, P. Buc-Calderon, F. Bravo, S. Gajardo, I. Sánchez, I. Torres, M. Ganoza (2016) Chemical composition and antimicrobial activity of essential oil of peruvian *Dalea strobilacea* Barneby. *Boletín Latinoamericano y del Caribe de Plantas Medicinales y Aromáticas* 15: 429-435.
41. Tefiani C., A. Riazi, B. Belbachir, H. Lahmar, S. Aazza, A. C. Figueiredo, M. G. Miguel (2016) *Ammoides pusilla* (Brot.) Breistr. from Algeria: Effect of harvesting place and plant part (leaves and flowers) on the essential oils chemical composition and antioxidant activity. *Open Chem.* 14: 343–350.
42. Rodrigues A. M., M. D. Mendes, A. S. Lima, P. M. Barbosa, L. Ascensão, J. G. Barroso, L. G. Pedro, M. M. Mota, A. C. Figueiredo (2017) *Pinus halepensis*, *Pinus pinaster*, *Pinus pinea* and *Pinus sylvestris* essential oils chemotypes and monoterpene hydrocarbon enantiomers, before and after inoculation with the pinewood nematode *Bursaphelenchus xylophilus*. *Chemistry & Biodiversity* 14: e1600153.
43. Neves A., J. Marto, A. Duarte, L. M. Gonçalves, P. Pinto, A. C. Figueiredo, H. M. Ribeiro (2017) Characterization of Portuguese *Thymbra capitata*, *Thymus caespititius* and *Myrtus communis* essential oils in topical formulations. *Flavour and Fragrance Journal* 32: 392-402.
44. Sim-Sim M., M. Abreu, C. Garcia, C. Sérgio, A. C. Figueiredo (2017) Essential oil composition of two *Sphagnum* species grown in Portugal and their *in vitro* culture establishment. *Natural Product Communications* 12: 1307-1310.
45. Filipe A., J. C. R. Cardoso, G. Miguel, L. Anjos, H. Trindade, A. C. Figueiredo, J. Barroso, D. M. Power, N. T. Marques (2017) Molecular cloning and functional characterization of a monoterpene synthase isolated from the aromatic wild shrub *Thymus albicans*. *Journal of Plant Physiology* 218: 35-44.
46. Lopes, E., Farinha, N. and Póvoa, O. 2017. Characterization and evaluation of traditional and wild coriander in Alentejo (Portugal). *Acta Hort.* (ISHS) 1153:77-84
47. Póvoa, O.; Farinha, N.; Lopes, E.; Mendes, J. P.; Zuzarte, M. (2014), Variabilidade morfológica de populações Ibéricas de *Sanguisorba* spp. In "VII Congreso Ibérico de Agroingeniería y Ciencias Hortícolas: Innovar y Producir para el Futuro" (F. G. UPM, ed.), pp. 1307-1312, Madrid.
48. Farinha, N.; Póvoa, O.; Lopes, E.; Mendes, J. P.; Zuzarte, M. (2014), Variabilidade morfológica de populações Ibéricas de *Plantago lanceolata*, In "VII Congreso Ibérico de Agroingeniería y Ciencias Hortícolas: Innovar y Producir para el Futuro" (F. G. UPM, ed.), pp. 1331-1336, Madrid.
49. Póvoa, O.; Farinha, N.; Lopes, E. (2014), Capacidade germinativa e quebra de dormência de populações portuguesas de coentro (*Coriandrum sativum*). In "VII Congreso Ibérico de Agroingeniería y Ciencias Hortícolas: Innovar y Producir para el Futuro" (F. G. UPM, ed.), pp. 1343-1348, Madrid.
50. O. Póvoa, N. Farinha, E. Lopes, J. P. Mendes (2016) Caracterização morfológica preliminar de populações Ibéricas de *Sanguisorba verrucosa*, Comunicações do IV seminário de ID &T Cooperar para Inovar, C3i – 24 e 25 Novembro de 2014. pp. 765-776.
51. N. Farinha, O. Póvoa, E. Lopes, J. P. Mendes (2016). Caracterização morfológica preliminar de populações Ibéricas de *Plantago lanceolata*. Comunicações do IV seminário de ID &T Cooperar para Inovar, C3i – 24 e 25 Novembro de 2014. pp.777-786.
52. E. Lopes, N. Farinha, O. Póvoa (2016). Germinação e quebra de dormência de sementes de populações de coentro (*Coriandrum sativum*) do Alentejo. Comunicações do IV seminário de ID &T Cooperar para Inovar, C3i – 24 e 25 Novembro de 2014. pp. 787-796.1.2.4

- 53.** Lopes, E.; Farinha, N.; Póvoa, O. (2015). Caracterização e avaliação de germoplasma de coentros (*Coriandrum sativum* L.) no Alentejo, Revista da APH N.º 116, ISSN: 1646-1290. pp. 39-42.
- 54.** Farinha, N.; Póvoa, O. (2014). Ethnobotany applied to coriander and pennyroyal sold in Alentejo Markets, Portugal. S2 O14, *Abstracts, VI International Congress of Ethnobotany, ICEB 2014*, 17-21 November 2014, Córdoba, Spain, pp. 87-88.
- 55.** Póvoa, O., Farinha, N. (2014), Applied Ethnobotanical Study of Coriander (*Coriandrum sativum*) Traditional Recipes From Alentejo, Portugal, S6 O10, *Abstracts, VI International Congress of Ethnobotany, ICEB 2014*, 17-21 November 2014, Córdoba, Spain, pp. 353, 354.
- 56.** Póvoa, O., Farinha, N. (2014), Applied Ethnobotanical Study of Pennyroyal (*Mentha pulegium*) and Harts Pennyroyal (*Mentha cervina*) Traditional Recipes From Alentejo, Portugal, S6 O11, *Abstracts, VI International Congress of Ethnobotany, ICEB 2014*, 17-21 November 2014, Córdoba, Spain, pp. 355, 356.
- 57.** Lopes, E.; Farinha, N.; Póvoa (2014). Characterization and evaluation of traditional and wild coriander in Alentejo (Portugal). International Symposium on carrots and other Apiaceae. International Society for Horticultural Science, 17-19 September 2014. Angers, França.
- 58.** Farinha, N.; Póvoa, O. (2016), The contribution of ethnobotany to the sustainability of animal health in the Alentejo. Poster Presentation: 6th International Congress of Aromatic and Medicinal Plants, 29 de maio a 1 de junho, Coimbra.
- 59.** Farinha, N.; Póvoa, O. (2016), Progress in coriander (*Coriandrum sativum* L.) breeding in Portugal, from germplasm collected in Alentejo. Poster Presentation: 6th International Congress of Aromatic and Medicinal Plants, 29 de maio a 1 de junho, Coimbra.
- 60.** Póvoa, O.; Farinha, N.; Mendes, J.P.; Vitorino, A. (2016), Aromatic and Medicinal Plants Vegetative Propagation using Reduced-cost Nursery Facilities. Book of abstracts, III International Symposium on Horticulture in Europe - SHE2016, Chania, Crete (Greece), October 17-21, 2016. P. 94.
- 61.** Póvoa, O.; Farinha, N.; Claré, C. (2016), Adaptation of Oregano (*Origanum vulgare* L.) to cultivation in Elvas Region, South Portugal. Book of abstracts, III International Symposium on Horticulture in Europe - SHE2016, Chania, Crete (Greece), October 17-21, 2016. P. 140-141.
- 62.** Póvoa, O.; Farinha, N.; Rodrigues, L.; Monteiro, A.M. (2016), Variability on morphologic descriptors of Portuguese *M. pulegium* accessions. Book of abstracts, III International Symposium on Horticulture in Europe - SHE2016, Chania, Crete (Greece), October 17-21, 2016. P. 171-172.
- 63.** Póvoa, O.; Farinha, N.; Rodrigues, L.; Monteiro, A.M. (2016), Morphologic variability in Portuguese *Mentha cervina* accessions Book of abstracts, III International Symposium on Horticulture in Europe - SHE2016, Chania, Crete (Greece), October 17-21, 2016. P. 209.
- 64.** Orlanda Póvoa*, Noémia Farinha e Cátia Claré (2017). Adaptação ao cultivo de oregão (*Origanum vulgare* L.) na região de Elvas. Revista de Ciências Agrárias. vol. 40, n. sp, p. 59-70 <http://dx.doi.org/10.19084/RCA16182>
- 65.** A.M. Barata, F. Rocha, J. Oliveira, Lima J.M., H. Nobrega, M.A.A. Pinheiro de Carvalho, Sónia Dias. 2014. *Implementation of a PGR Global Documentation System in Portugal*. International Conference on Enhanced Genepool Utilization - Capturing wild relative and landrace diversity for crop improvement, Cambridge, United Kingdom, Part 1, Oral presentation, pp. 73-74, ISBN: 978929043995-0.
- 66.** Ana Maria Barata, Filomena Rocha, Violeta R. Lopes, Ana Maria Carvalho, Joaquim Morgado, Luis Alves, Jorge Miranda. 2014. *Tools to support trainers, learners and professionals for a good practice of plant wild harvesting*. ICEB 2014 VI Congreso Internacional de Etnobotánica/ VI th International Congress of Ethnobotany, Córdoba, Espanha, S13 - P1, pp. 633-634.

- 67.** Barata, A.M., Rocha, F., Lopes, V., & Carvalho, A. M. 2016. Conservation and sustainable uses of medicinal and aromatic plants genetic resources on the worldwide for human welfare. *Industrial Crops and Products*, 88, 8–11.
- 68.** Catarina L. Lopes, Eliana Pereira, Ana Maria Carvalho, Ana Maria Barata, Violeta Lopes, Filomena Rocha, Lillian Barros, Isabel C.F.R. Ferreira. 2017. Influência da origem geográfica no perfil fenólico de *Lavandula pedunculata* (Mill.) Cav. 10º Encontro de Cromatografia Bragança 2017 – 4 a 6 de dezembro Abstracts book / Livro de resumos.
- 69.** Lopes VR1, Barata AM, Rocha F, Bettencourt E, Mota AS, Silva L., Figueiredo AC. 2014. *Seed progeny of portuguese fennel wild populations: morphological and essentials oils variability*. 8th CMAPSEEC - Conference on Medicinal and Aromatic Plants of Southeast European Countries Proceedings of the 8th CMAPSEEC. Section II "Pharmacology and biological effects of active MAP compounds. pp. 265–275, Durrës, Albania.
- 70.** Lopes, V.R.; Rocha, F.; Gaspar, C.; Barata A.M. 2016. Aromatic and medicinal plants – field collection in the national genebank in Portugal. 6º International Congress on Medicinal and Aromatic Plants – CIPAM 2016. P5, p. 81. Vila Galé Hotel, Coimbra, 29 de Maio a 1 de Junho.
- 71.** Lúcia A. Silva¹, Violeta R. Lopes, Sofia Pombal and Arlindo C. Gomes. 2017 Chemical composition of the essential oils of Portuguese *Lavandula pedunculata* (Miller) Cav. flowers. 48th International Symposium on Essential Oils (ISEO2017) Final Programme & Book of Abstracts 10-13 September 2017, Pécs, Hungary, pp89
- 72.** Rocha, F., Gaspar, C., Lopes V. R., Barata A. M 2017. Medicinal and Aromatic Plants collecting missions in Portugal. *Arabian Journal of Medicinal & Aromatic Plants* AJMAP V3 N (1) 19-32.
- 73.** Violeta R. Lopes, Ana Maria Barata 2017 Ex situ morphological assessment of wild *Lavandula* populations in Portugal. *Arabian Journal of Medicinal & Aromatic Plants* V3 N (1) 87-100.

Serbia

- 1.** Brdar-Jokanović M., Adamović D., Maksimović L. (2014): Chamomile as a traditional and modern plant in sustainable agriculture. XVI International Eco-Conference, Safe Food, Proceedings, Novi Sad, Serbia (24-27.09.2014), 281-289.
- 2.** Ljevnaić-Mašić B., Džigurski D., Nikolić Lj., Brdar-Jokanović M. (2014): Korovi u organskoj proizvodnji začinskog i lekovitog bilja. *Acta herbologica*, 23 (1): 53-60.
- 3.** Ljevnaić-Mašić B., Džigurski D., Nikolić Lj., Brdar-Jokanović M., Adamović D. (2015): Weed flora in dill (*Anethum graveolens* L., Apiaceae, Apiales) grown in conventional and organic production systems. *Field and Vegetable Crops Research*, 52 (1): 14-17.
- 4.** Džigurski D., Ljevnaić-Mašić B., Nikolić Lj., Brdar-Jokanović M., Adamović D. (2015): Weed flora in basil (*Ocimum basilicum* L., Lamiaceae Martynov 1820, Lamiales) grown in conventional and organic production. *Contemporary Agriculture*, 64 (1-2): 14-19.
- 5.** Ćirić M., Nagl N., Taški-Ajduković K., Brdar-Jokanović M., Župunski V., Ćurčić Ž. (2016): Intercropping sugar beet and poppy seed: opportunities and challenges. Abstracts of Papers: 75th IIRB Congress, Brussels (BEL), 16-17 February 2016, p. 48.
- 6.** Brdar-Jokanović M., Ljevnaić-Mašić B., Džigurski D., Nikolić Lj., Ćirić V., Maksimović L., Adamović D. (2017): Organic and conventional peppermint (*Mentha x piperita*) production as affected by weeds. In: Babić M., Radojčin M., Pavkov I. (eds.) Proceedings: Fifth International Conference Sustainable Postharvest and Food Technologies INOPTTEP 2017 and XXIX National Conference Processing and Energy in Agriculture PTEP 2017, Vršac 23-28 April 2017, pp. 34-35.

7. Brdar-Jokanović M., Ljevnaić-Mašić B., Džigurski D., Stojanović A., Merkulov-Popadić L., Nikolić Lj., Adamović D. (2017): Weeds in organic common mallow (*Malva sylvestris* L.) cultivation. In: Manojlović M. (ed.). Book of abstracts: Organic agriculture for agrobiodiversity preservation. 3rd international conference agrobiodiversity, Novi Sad, Serbia 1-3 June 2017, p. 57.

8. Nikolić Lj., Džigurski D., Ljevnaić-Mašić B., Brdar-Jokanović M., Ilić O. (2017): Review of weed species and their frequency in organic crops in Vojvodina. In: Manojlović M. (ed.). Book of abstracts: Organic agriculture for agrobiodiversity preservation. 3rd international conference agrobiodiversity, Novi Sad, Serbia 1-3 June 2017, p. 81.

9. Brdar-Jokanović M., Ljevnaić-Mašić B., Džigurski D., Nikolić Lj., Ćirić V., Maksimović L., Adamović D. (2017): Organically and conventionally grown peppermint (*Mentha x piperita* L.) as affected by weeds. *Journal on Processing and Energy in Agriculture*, 21 (2): 111-114.

10. Zorić M., Terzić S., Sikora V., Brdar-Jokanović M., Vassilev D. (2017): Effect of environmental variables on performance of Jerusalem artichoke (*Helianthus tuberosus* L.) cultivars in a long term trial: a statistical approach. *Euphytica*, 213 (1): 23.

Spain

1. Busconi, M., Colli, L., Sanchez, R.A., Santaella, M., De-Los-Mozos-Pascual, M., Santana, O., Roldán, M., Fernandez, J.A. (2015). Molecular markers for the analysis of genetic and epigenetic variabilities in saffron, *Crocus sativus* L. *PLoS ONE* 10(4): e0123434 (doi:10.1371/journal.pone.0123434).

2. Bioversity International, UPV, UCLM, JCCM. (2015). Descriptors for Crocus (*Crocus* spp.) Bioversity International, Rome, (Italy); Universidad Politécnica de Valencia, Valencia (Spain); Universidad de Castilla-La Mancha, Ciudad Real (Spain). Junta de Comunidades de Castilla-La Mancha, Cuenca (Spain). 64 pp. (ISBN: 978 92 9043 999 8).

3. Ordoudi, S.A., De-los-Mozos-Pascual, M., Tsimidou, M.Z. (2014). On the quality control of traded saffron by means of transmission Fourier-transform mid infrared (FT-MIR) spectroscopy and chemometrics. *Food Chemistry*, 150: 414-421.

Switzerland

1. Carron C.-A., Plaschy M., Vouillamoz J., Baroffio C. Influence d'une couverture hivernale sur le rendement et la qualité de la menthe. *Revue suisse de viticulture arboriculture horticulture*, 49, (2), 2017, 122-130.

2. Carron C.-A., Baroffio C. Un nouveau ravageur en Suisse dans les plantes médicinales et aromatiques: *Chrysolina americana*. *Revue suisse de viticulture arboriculture horticulture*, 49, (5), 2017, 310.

3. György S., Vouillamoz J., Höhn M. Microsatellite markers reveal common East Alpine-Carpathian gene pool for the arctic-alpine *Rhodiola rosea* (Crassulaceae). *Plant Systematics and Evolution*, 302, (6), 2016, 721-730.

4. Vouillamoz J., Wolfram-Schilling E., Carron C.-A., Baroffio C. Evaluation agronomique et phytochimique de *Stevia rebaudiana* pour la culture en Suisse. *Revue suisse de viticulture arboriculture horticulture*, 48, (6), 2016, 348-355.

5. Vouillamoz J., Carlen C., Tagliatela-Scafati O., Pollastro F., Appendino G. The génépi *Artemisia species*. *Ethnopharmacology, cultivation, phytochemistry, and bioactivity*. *Fitoterapia*, 106, 2015, 231-241.

6. Carron C.-A., Kindlovits S., Baroffio C., Carlen C. Densité de semis et date de récolte: effet sur le rendement et la qualité de *Pimpinella peregrina* L. Revue suisse de viticulture arboriculture horticulture, 47, (5), 2015, 280-288.

7. György Z., Vouillamoz J., Ladányi M., Pedryc A. Genetic survey of *Rhodiola rosea* L. populations from the Swiss Alps based on SSR markers. Biochemical Systematics and Ecology, 54, 2014, 137-143.