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e-mail: [v.gjamovski@zeminst.edu.mk](mailto:v.gjamovski@zeminst.edu.mk);

**Academic qualifications****2011. – Ph.D.**

UKIM Faculty of Agricultural Sciences and Food Skopje

“Evaluation of the influence of different dwarf rootstocks on the growth, yield and quality of apples”

**2007. – M. Sc.**

UKIM Faculty of Agricultural Sciences and Food Skopje

“Selection of bitter almond (*Amygdalus communis* var. *amara*) ecotypes as rootstock for peach”

**2000. – B.Sc.**

UKIM Faculty of Agriculture Skopje

**Training and research experience**

**2009.** “International Berry Summer School”, Università Politecnica delle Marche, *Alma Mater Studiorum* Università di Bologna, Italy

**2006.** “Diagnostic Methods at the Laboratory of Plant Virology”, Wageningen University, Wageningen, The Netherlands

**2006.** “The International Standard; Practical Implementation; Field experience; Certification scheme; Auditing skills”, Agrimaco, Dutch consulting agency

**2004.** “Integrated production of fruit crops and citrus”, CHIEAM International Center for Advanced Mediterranean Agronomic Studies, Bari, Italy

**Research interests**

Fruit production

Sustainable agriculture

Plant genetic resources

Adaptation of agriculture to climate change

**teaching**

**Program Organic and biodynamic plant production**

- Production practices and quality assessment of organic production
- Climatic variability and vulnerability of organic production
- Agrobiodiversity and management of genetic resources

#### **Other professional activities**

Member in the international scientific organizations:

- EURFIN (European Fruit Research Network)
- ISHS (International Society of Horticultural Sciences),
- IPGRI (International Plant Genetic Resources Institute)

Member of the permanent sub-sector group for fruit market regulation at the Ministry of Agriculture, Forestry and Water Economy

Participant in the preparation of the National Strategy for Agriculture and Rural Development 2014-2020

#### **Scientific and applicative projects**

**2000 - 2002.** Modernization of the assortment of some economically important fruit species and production of healthy planting material - Ministry of Education and Science;

**2000-2001.** Breeding of stone fruit species- Ministry of Education and Science, bilateral project with R of Turkey;

**2003-2006.** Introduction of new concepts and assortment in apple production- Ministry of Education and Science;

**2004-2006.** Vegetative propagation of rootstocks from fruit species and vines and selection of varieties- Ministry of Education and Science;

**2004-2006.** Micropropagation of rootstocks from apple and stone fruits and strawberry varieties for the production of certified planting material- Ministry of Education and Science, bilateral project with the R of Bulgaria;

**2005-2010.** Euroberry research for genomic to sustainable production, quality and health - COST action 863;

**2007-2008** Survey of autochthonous *Prunus domestica* populations in the South-East Europe countries with regard on inventory, collecting, identification and description- SIDA, Sweden;

**2007-2008.** Survey of autochthonous apple populations in the area of South-East Europe- SIDA, Sweden;

2009-2010. Characterization of apple local varieties (*Malus × domestica* Borkh.) from South East European region- SIDA, Sweden;

**2007-2008.** Collection and field evaluation of local plum (*Prunus domestica*) genetic resources from South East European network- SIDA, Sweden;

**2009-2010.** Pilot project for organic plum production- - Ministry of Agriculture, Forestry and Water Economy;

**2012-2014.** Morphological and genetically characterization of sweet cherry (*Prunus avium* L.) genofond"- Ministry of Education and Science of the R of Macedonia and Ministry of Science of the R of Croatia;

**2012-2015.** Adaptation of agriculture to climate changes- USAID;

**2012-2014.** Genotypic specificities of root growth and development of different apple rootstocks in pseudoclay soils – Ministry of Science and Technology Republic of Srpska;

**2015-2016.** SGP country programme strategy for OP6- GEF UNDP;

**2017-2018.** Characterization of autochthonous pomegranate varieties in R of Macedonia- University “Ss. Cyril and Methodius” Skopje;

**2018-2020.** EPS Innovative Development-Research Technology System (Technology for research and development of new expanded polystyrene products with unlimited appearance and shape). Fund for Innovation and Technological Development;

**2019.** Country Programme Strategy for Global Environment Facility Small Grants Programme (GEF SGP) for Operational Phase 7- GEF UNDP;

**2019-2020.** Examination of germination in samples of different types of agricultural crops from the gene bank after a certain period of long-term conservation- University “Ss. Cyril and Methodius” Skopje;

**2020-2021.** Creating enabling environments for enhanced climate resilience in agriculture- FAO project ref. TCP/RER/3802;

**2021.** Determination of the cost of production (gross margin level) of ten strategically important agricultural products- FAO project;

**2021.** Forum for climate change adaptation and start-up opportunities” and the interactive training titled as „Green Start-up Forum”- EIT Food Start-Up Awareness Event;

**2022.** Training of implementation of Precise fruit production- EIT Food Start-Up Awareness Event;

**2023.** Call#06/2022 Expert engagement for preparation of Manuel for improved production and quality of apple- UNDP and Macedonian association of agricultural cooperatives

#### Scientific publications

- [1] Arsov, T., Gjamovski, V., Kiprijanovski, M., The influence of planting distance on distribution and growth of the root system at apple cv. Jonagold grafted on M9 rootstock, *5th International Symposium on Agricultural Sciences (Book of abstracts)*, Banja Luka, BiH, 123 (2016).
- [2] Arsov, T., Gjamovski, V., Kiprijanovski, M., Analysis of distribution of root length density of apple cv. jonagold grafted on M9 rootstock under various planting, *III international symposium for agriculture and food (Book of abstracts)*, 220 (2018).
- [3] Arsov, T., Gjamovski, V., Kiprijanovski, M., Saraginovski, N., Sensory evaluation of some sweet cherry varieties, consumption needs, Final Conference COST Action FA1104, Sustainable production of high-quality cherries for the European market (Book of abstracts), 61 (2016).
- [4] Arsov, T., Gjamovski, V., Kiprijanovski, M., Saraginovski, N., Performance of some late ripening cherry varieties grown at different planting distances, *15th Serbian Congress of fruit and grapevine producers*, 235 (2016).
- [5] Arsov, T., Kiprijanovski, M., Gjamovski, V., Quantity of pruned apples trees trained on intensive growing systems, *Ist International symposium and XVII scientific conference of agronomist of Republika Srpska (Book of abstracts)*, Trebinje, BiH, 149 (2012).
- [6] Arsov, T., Kiprijanovski, M., Gjamovski, V., The effect of different training system on yield and fruit quality of Breaburn apple variety, *International symposium for agriculture and food (Book of abstracts)* Skopje, 109 (2012).

- [7] Arsov, T., Kiprijanovski, M., Gjamovski, V., The effect of different training system on yield and fruit quality of 'Jonagold' apple variety, *Acta Horticulturae*, 243-247 (2013).
- [8] Arsov, T., Kiprijanovski, M., Gjamovski, V., Performance of wild peach seedlings in replant conditions, *Scientific conference Challenges in modern agricultural production (Book of abstracts)*, 29 (2014).
- [9] Arsov, T., Kiprijanovski, M., Gjamovski, V., Oblacinska sour cherry as potential dwarfing rootstock for sweet cherry, *Meeting on Rootstock and Training System. Sustainable production of high-quality cherries for the European market. COST Action FA 1104 (Book of abstracts)* Trebinje, BiH, 11 (2015).
- [10] Arsov, T., Kiprijanovski, M., Gjamovski, V., Fruit quality and productivity of apple cv. Breaburn depending on the training system, *3rd Balkan Symposium on Fruit Growing (Book of abstracts)*, Belgrade, Serbia, 115 (2015).
- [11] Arsov, T., Kiprijanovski, M., Gjamovski, V., Saraginovski, N., Performance of some cherry cultivars growing on different planting distances, *Acta Horticulturae*, (2020).
- [12] Arsov, T., Rusevski, R., Gjamovski, V., Popovska, M., Investigation of type of media for micropropagation and rooting of Gizela 5 rootstock, *ISHS Acta Horticulturae* 273-275 (2009).
- [13] Arsov, T., Selamovska, A., Markovski, A., Popovska, M., Gjamovski, V., Stevkova, S., Štete od poznih prolećnih mrazeva kod nekih voćnih vrsta u R. Makedoniji, *Zbornik naučnih radova, Institut PKB Agroekonomik, Beograd*, **8**, 207-212 (2002).
- [14] Arsov T., K. M., Gjamovski V., , Research of high bush blueberry (*Vaccinium corymbosum* L.) cultivated in Macedonia, *Contemporary Agriculture. The Serbian Journal of Agricultural Science*, **59**, 99-104 (2010).
- [15] Avanzato, D., McGranahan, G. H., Vahdati, K., Botu, M., Iannamico, L., Assche, J. V., *Following walnut footprints (Juglans regia L.): cultivation and culture, folklore and history, traditions and uses*, International Society for Horticultural Science (ISHS), (2014).
- [16] Botu, M., Tomic, L., Cvetković, M., Gjamovski, V., автори, с., *Balkan pomology - Plums*, Alpnar, Sweden (2012).
- [17] Cvetković, M., Tomic, L., Botu, M., Gjamovski, V., *Balkan pomology - Apples*, Alpnar, Sweden (2012).
- [18] Dimitrov, L., Gjamovski, V., Popovska Stojanov, D., Gjosheva Kovachevikj, M., Impact of the economic crisis on the apple production price in the Republic of North Macedonia, *Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo*, **LXVII**, 135-144 (2023).
- [19] Dimitrov, L., V., G., Kiprijanovski, M., Economically feasibility to invest in anti-hail and UV nets in pear orchards, *9-to Znanstveno-strucno savetovanje hrvatskih vocara s medjunarodnim sudjelovanjem: Mjere za razvoj i unapredjenje mediteranskog vocarstva. Zbornik sazetaka*, 100 (2014).
- [20] Gavrilova, V., Kajdzanovska, M., V., G., Stefova, M., Separation, characterization and quantification of phenolic compounds in blueberries and red and black currants by HPLC-DAD-ESI-MSn, *Journal of Agricultural and Food Chemistry*, (2011).
- [21] Gjamovski, V., Kiprijanovski, M., Arsov, T., Distribution of apple trees root system on different dwarfing rootstocks, *Contributions, Sec. Nat. Math. Biotech. Sci., MASA*, **39**, 69-74 (2018).
- [22] Gjamovski, V., Arsov, T., Kiprijanovski, M., Structure of nuts production in Macedonia, *1st European fruit research institutes*

*network shell fruit species meeting (Book of abstracts)*, Budapest, Hungary, 26 (2016).

[23] Gjamovski, V., Kiprijanovski, M., Influence of nine dwarfing apple rootstocks on vigour and productivity of apple cultivar 'Granny Smith', *Scientia Horticulturae*, **129**, 742-746 (2011).

[24] Gjamovski, V., Kiprijanovski, M., Technology of sour cherry production in R. Macedonia, *Meeting on Sour Cherry Breeding. Sustainable production of high-quality cherries for the European market (Book of abstracts)* Novi Sad, Serbia, 19 (2014).

[25] Gjamovski, V., Kiprijanovski, M., Arsov, T., Distribution of root system of apple trees on different dwarfing rootstocks, *Ist International symposium and XVII scientific conference of agronomist of Republika Srpska (Book of abstracts)*, Trebinje, BiH, 155 (2012).

[26] Gjamovski, V., Kiprijanovski, M., Arsov, T., Some reproductive characteristics of apple cultivar Granny Smith grown on nine different dwarfing rootstocks, *14th Serbian congress of fruit and grapevine producers with international participation (Paper and abstract proceedings)*, 172 (2012).

[27] Gjamovski, V., Kiprijanovski, M., Arsov, T., Behavior of some introduced cherry varieties in Ohrid region, R. Macedonia grafted on Gisela 5, *International symposium for agriculture and food (Book of abstracts)*, 111 (2012).

[28] Gjamovski, V., Kiprijanovski, M., Arsov, T., Fruit quality parameters of apple cultivar 'Granny Smith' produced on nine different dwarfing rootstocks, *Acta Horticulturae*, 581-586 (2013).

[29] Gjamovski, V., Kiprijanovski, M., Arsov, T., Behavior of some sweet cherry varieties on rootstock Gisela 5, *9-to Znanstveno-strucno savetovanje hrvatskih vocara s medjunarodnim sudjelovanjem: Mjere za razvoj i unapredjenje mediteranskog vocarstva. Zbornik sazetaka* 22 (2014).

[30] Gjamovski, V., Kiprijanovski, M., Arsov, T., Evaluation of autochthonous ecotype of bitter almond as peach rootstocks, *Bulgarian Journal of Agricultural Science*, **21**, 630-636 (2015).

[31] Gjamovski, V., Kiprijanovski, M., Arsov, T., Comparative investigations of Oblacinska sour cherry on own root and grafted on mahaleb, *Meeting on Rootstock and Training System. Sustainable production of high-quality cherries for the European market. COST Action FA 1104 (Book of abstracts)*, Trebinje, BiH, 12 (2015).

[32] Gjamovski, V., Kiprijanovski, M., Arsov, T., Morphological and pomological variability of some autochthonous cherry varieties in Republic of Macedonia, *3rd Balkan Symposium on Fruit Growing (Book of abstracts)*, Belgrade, Serbia, 39 (2015).

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[34] Gjamovski, V., Kiprijanovski, M., Arsov, T., Evaluation of some cherry varieties grafted on Gisela 5 rootstock, *Turk. J. Agric. For.*, **40**, 737-745 (2016).

[35] Gjamovski, V., Kiprijanovski, M., Arsov, T., Effect of rootstock on growth, flowering and fruit set at apple cultivar Granny Smith, *5th International Symposium on Agricultural Sciences (Book of abstracts)*, Banja Luka, BiH, 46 (2016).

[36] Gjamovski, V., Kiprijanovski, M., Arsov, T., Oblacinska sour cherry, growing on own root or grafted on mahaleb? , *III International symposium for agriculture and food (Book of abstracts)*, Ohrid, 219 (2017).

- [37] Gjamovski, V., Kiprijanovski, M., Markovski, A., Popovska, M., Arsov, T., Conservation and characterization of apple and plum autochthonous cultivars in Macedonia, *Proceedings of scientific conference "Challenges in modern agricultural production"*, 235-240 (2014).
- [38] Gjamovski, V., Kiprijanovski, M., Markovski, A., Popovska, M., Arsov, T., Conservation and characterization of apple and plum autochthonous cultivars in Macedonia (Book of proceedings), *International scientific conference „Challenges in modern agricultural production“*, Skopje, Macedonia, 235-240 (2015).
- [39] Gjamovski, V., Kiprijanovski, M., Popovska, M., Arsov, T., Nursery characteristics of some bitter almond ecotypes as a peach rootstock, *5th International Symposium on Agricultural Sciences (Book of abstracts)*, Banja Luka, Bosnia and Herzegovina, 122 (2016).
- [40] Gjamovski, V., Rusevski, R., Popovska, M., Arsov, T., Evaluation of different type of media for multiplication and rooting on apple rootstock M 26, *ISHS Acta Horticulturae*, 269-272 (2009).
- [41] Glišić, I., Radičević, S., Popovska, M., Marić, S., Milošević, N., Djorđević, M., Gjamovski, V., Popovski, B., The effect of genotype-temperature interaction on pollen performance in the pistils of autochthonous 'Dolga Šiška' sweet cherry, *XVI Eucarpia Symposium on Fruit Breeding and Genetics 'Eucarpia 2023' (Book of abstracts)* Dresden-Pillnitz, Germany, 123 (2023).
- [42] Gjamovski, V., Popovska, M., Pollen germination of some sour cherry cultivars in "in vitro" conditions, *Fifth scientific practical conference with international participation for the young scientists (Proceedings)* Kustendil, Bulgaria, 19-23 (2002).
- [43] Kajdzanovska, M., Gjamovski, V., Arsov, T., Kiprijanovski, M., Stefova, M., Phenolic profiles of cultivated berries from Macedonia and correlation to antioxidant activity, *Pholyphenols communications*, **1**, 151-152 (2010).
- [44] Kajdzanovska, M., Gjamovski, V., Stefova, M., HPLC-DAD-ESI-MSn identification of phenolic compounds in cultivated strawberries from Macedonia, *Macedonian Journal of Chemistry and Chemical Engineering*, **29**, 181-194 (2010).
- [45] Kiprijanovski, i. M., Arsov, T., Gjamovski, V., Performance of some Italian strawberry genotypes grown under conditions of Republic of Macedonia *Acta Horticulturae*, 177-184 (2012).
- [46] Kiprijanovska, H., Bandzo, S., Gjamovski, V., Kiprijanovski, M., Influences of bumblebees (*Bombus terrestris*) to pollination of apples, *Second Balkan symposium on fruit growing (Book of abstracts)*, Pitesti, Romania, 35 (2011).
- [47] Kiprijanovski, M., Arsov, T., Gjamovski, V., Research of agronomic characteristics of peach rootstock on calcareous soil-twelve yearly results, *Journal of agronomic science and technology*, **1**, 810-819 (2011).
- [48] Kiprijanovski, M., Arsov, T., Gjamovski, V., Comparative investigations of Oblachinska sour cherry on own root and grafted on Mahaleb, *Second Balkan symposium on Fruit growing (Book of abstracts)*, Pitesti, Romania, 50 (2011).
- [49] Kiprijanovski, M., Arsov, T., Gjamovski, V., Evaluation of quality characteristics of some autumn pear varieties, *Ist International symposium and XVII scientific conference of agronomist of Republika Srpska (Book of abstracts)* Trebinje, BiH, 160 (2012).
- [50] Kiprijanovski, M., Arsov, T., Gjamovski, V., Morphological and pomological characteristics of some autochthonous varieties in Republic of Macedonia, *14th Serbian congress of fruit and grapevine producers with international participation (Paper and abstract proceedings)*, Каде е одржан?, 126 (2012).

- [51] Kiprijanovski, M., Arsov, T., Gjamovski, V., Research of quality characteristics of some autumn pear varieties, *Proceeding of International symposium for agriculture and food*, 585-594 (2013).
- [52] Kiprijanovski, M., Arsov, T., Gjamovski, V., Some experiences at the 'Oblacinska' sour cherry crown training, *Meeting on Rootstock and Training System. Sustainable production of high-quality cherries for the European market. COST Action FA 1104 (Book of abstracts)*, Trebinje, BiH, 20 (2015).
- [53] Kiprijanovski, M., Arsov, T., Gjamovski, V., The effect of anti-hail net in in protection of pear orchard after hail occurrence, *3rd Balkan Symposium on Fruit Growing, Belgrade, Serbia*, 120 (2015).
- [54] Kiprijanovski, M., Arsov, T., Gjamovski, V., Damovski, K., Study of certain introduced apple cultivars in the Prespa region, *ISHS Acta Horticulturae*, 125-132 (2009).
- [55] Kiprijanovski, M., Arsov, T., Gjamovski, V., Saragjinovski, N., Evaluation of some new introduced summer pear cultivars in production regions in R. Macedonia. , *Proceeding of Second international symposium for agriculture and food*, , 521-527 (2016).
- [56] Kiprijanovski, M., Arsov, T., Gjamovski, V., Saragjinovski, N., Comparative investigations of Oblachinska sour cherry on own root and grafted on mahaleb, *Bulgarian Journal of Agricultural Science*, **24**, 1065-1070 (2018).
- [57] Kiprijanovski, M., Bojkovska, S., Gjamovski, V., Arsov, T., Saragjinovski, N., Effect of various in row soil maintenance method in the pear orchards, *15th Serbian congress of fruit and grapevine producers*, 223 (2016).
- [58] Kiprijanovski, M., Gjamovsk, i. V., Arsov, T., The effect of deeper planting of apple on some M9 types on growth and bearing of the trees, *Second Balkan symposium on Fruit growing (Book of abstracts)*, Pitesti, Romania, 35 (2011).
- [59] Kiprijanovski, M., Gjamovski, V., Arsov, T., Water conservation in strawberry orchards by mulching of soil surface, *Research Institute of Mountain Stockbreeding and Agriculture, Troyan, Bulgaria*, **7**, 447-455 (2004).
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- [61] Kiprijanovski, M., Radunic, M., Arsov, T., Gjamovski, V., Strikic, F., Klepo, T., Evaluation of morphological and pomological characteristics of the autochthonous sweet cherry genofond in Ohrid-Prespa region, R. Macedonia, *9-to Znanstveno-strucno savetovanje hrvatskih vocara s medjunarodnim sudjelovanjem: Mjere za razvoj i unapredjenje mediteranskog vocarstva. Zbornik sazetaka* 66 (2014).
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- [63] Kiprijanovski, M., Ristevski, B., Arsov, T., Gjamovski, V., Influence of planting distance to the vegetative growth and bearing of apples cultivar Jonagold on rootstock MM106, *ISHS Acta Horticulturae* 453-458 (2009).
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- [65] Kiprijanovska, H., Bandzo, S., Gjamovski, V., Kiprijanovski, M., Uzunov, A., Effect of bumblebees (*Bombus terrestris* L.) pollination on fruit set of some apple cultivars, *Proceeding of International symposium for agriculture and food*, , 569-573 (2013).

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peel and pulp of apple cultivars from Macedonia, *Maced. J. Chem. Chem. Eng.*, **35**, 29-38 (2017).

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