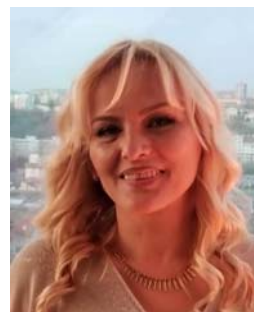


CURRICULUM VITAE



I. BASIC INFORMATION

Surname	Marković (<i>ex Nastovski</i>)
Name	Tatjana
Affiliation	Institute for Medicinal Plant Research "Dr Josif Pancic", Belgrade.
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II. ACADEMIC RECORDS

Professional experience

- 1997-1998.** Federal Ministry of Agriculture, Federal Institute for Plant and Animal Genetic Resources, Belgrade, Republic of Serbia.
- Since 1998.** Institute for Medicinal Plant Research "Dr J. Pancic", Belgrade, R. Serbia. Department for R&D in Medicinal & Aromatic plants (MAPs).

Progress in Higher Education & Professional Specialisation

- 30.1.1993.** Bachelor of Science in Agriculture (Crop Farming), Belgrade, awarded by the *University of Belgrade, Faculty of Agriculture*, Belgrade, Republic of Serbia.
- 09.12.1994.** Specialised Post-Graduate Degree in Natural Products, Paris, France, awarded by *International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM)*, Paris, France, upon recommendation of the director of *Mediterranean Agronomic Institute of Chania (MAICh)*, Crete, Greece.
- 12.2.1997.** Master of Science in Natural Products, Paris, France, awarded by *International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM)*, Paris, France, upon recommendation of the director of *Mediterranean Agronomic Institute of Chania (MAICh)*, Crete, Greece.
- 19.6.2006.** Ph.D. in Biotechnology, awarded by the *University of Belgrade, Faculty of Agriculture*, Belgrade, Republic of Serbia.

Progress in Research position

- 15.6.2000.** Research Assistant, Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia
- 31.5.2007.** Research Associate, Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia
- 27.6.2012.** Senior Research Associate, Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia
- 30.6.2016.** Principal Research Fellow, Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia

Ex duties

- 2009 – 2016.** Editor in Chief of the Scientific Journal “Lekovite sirovine”.
Publisher: Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia.
- 2010 – 2013.** President of the Scientific Council of the Institute for Medicinal Plant Research “dr Josif Pancic”, Belgrade, Serbia (for two mandates)
- 2014 – 2018.** Vice president of the Scientific Council of the Institute for Medicinal Plant Research “dr Josif Pancic”, Belgrade, Serbia (for two mandates)
- 2014 – 2019.** Member of the Management board of the Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia

Current duties

- Since 2009.** Head of Department for R&D in MAPs’ Agriculture
Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia.
- Since 2019.** Member of the Management board of the Institute for Medicinal Plant Research “Dr J. Pancic”, Belgrade, Serbia (February, 2019)
- Member of Serbian National Committee ISS/KS H054 for Essential Oil Standardization, including Methods of analysis and Specifications. Institute for Standardization of Serbia (April, 2019).
- Member of the Management board of “BioSense” Institute, Novi Sad, Serbia (September, 2019).

Main research areas

- Secondary metabolites isolation, characterisation, investigation on their biological activities and possible application.
- Medicinal and aromatic plants (MAPs) cultivation (organic and conventional).

Key research qualifications

- Isolation, chemistry and analysis of MAP secondary metabolites (isolation of essential oils and their GC/MS characterisation);
- Introduction into culture and cultivation of mountaneous MAPs;
- Organic cultivation of MAPs.

Current research interests

- Essential oil characterisation;
- Investigation of biological activities and possible application of essential oils;
- Cultivation of endangered MAP species.

Engagements in completed Research Project

- 2011–2019.** Project III 46008, financed by Ministry of Education & Science of Republic of Serbia, Program: Integral Research
Project title: *“Development of integrated management system for harmful organisms in order to overcome resistance and improve food quality and safety”*
- 2011–2019.** Project OI 173032, financed by Ministry of Education & Science of Republic of Serbia, Program: Basic Research
Project title: *“Characterization and application of fungal metabolites, and identification of potentially new biofungicides”*
- 2012–2015.** Project IP-31, financed by the Institute for Medicinal Plant Research “Dr. J. Pancic”, Belgrade, Serbia. Program: Internal R&D project
Project title: *“Production and disposal of the compost from residual plants parts, by-products of cultivation and processing of medicinal herbs”*
- Since 2015.** Project IP-31, financed by the Institute for Medicinal Plant Research “Dr. J. Pancic”, Belgrade, Serbia. Program: Internal R&D project
Project title: *“Discovering causes of decrease in yield and quality of chamomile flowers (Chamomillae flos) cv. “Banatska”*
- 2005 – 2007.** Leader of Serbian Research Team
International cooperation project financed by Ministry of Science and Technology of Republic of Serbia. Program: Bilateral science and technology cooperation between Serbia and Greece.
Project title: *“Comparative investigation of methods and techniques of organic MAP production in Greece and Serbia, aim to optimisation of biologically active compounds and/or essential oils”*
- 2005 – 2008.** Researcher
Project BTN 321003B, financed by Ministry of Science and Technology of Republic of Serbia, Program: National program of Biotechnology and Agroindustry.
Project title: *“Standardized liquid extract of cultivated Yellow Gentian root (Extractum Gentianae) and Arnica flower (Extractum Arnicae) for application in pharmaceutical, food and cosmetic industries”*
- 2006 – 2007.** Project leader
Project financed by the Ministry of Agriculture, Forestry and Water Management of Republic of Serbia. Program: Conservation and Sustainable Use of Plant Genetic Resources for Food and Agriculture.
Project title: *“Formation of a collection of mountainous rare and endangered medicinal plant species and reproduction of Yellow gentian”*

- 2007 – 2009.** Project leader
Project IP-02.02.15, financed by the Institute for Medicinal Plant Research “Dr. J. Pancic”, Belgrade, R. of Serbia. Program: Internal R&D project.
Project title: *“Testing of possibilities to grow some Sideritis species in Serbia”*
- 2008 – 2011.** Researcher
Project TR 20108, financed by Ministry of Science and Technology of Republic of Serbia. Program: Technology Development.
Project title: *“Wild and cultivated herbs of Serbian biozones in terms of sustainable development of mountainous regions - Part I”*
- 2010 – 2012.** Researcher
SEERA.NET Plus Joint European Research Project (ERA-135), financed by European Commission and the contributions of participating countries (carriers of research and development), in the frame of Joint European Research Project (JERP).
Project title: *“Conservation and Sustainable Exploitation of indigenous medicinal and aromatic plants traditionally used in the SEE, WB countries. A model approach for Sideritis spp. (Mountain tea)”*

III. ADDITIONAL ACADEMIC RECORDS

Language skills

- Fluent in English and Greek;
- Basic in German.

Membership in scientific and professional associations

- Since 2000.** AMAPSEEC (Association for Aromatic and Medicinal Plants of South-East European Countries)
- During 2004** SEED Net – MAP Working Group & ECP/GR – MAP Working Group
- Since 2012.** ESCORENA Network – MAP Working group (European System of Cooperative Research Network in Agriculture) - the FAO Regional Office for Europe.

Other professional engagements

- Since 2003.** R&D for the MAP Production Unit
Institute for Medicinal Plant Research “Dr Josif Pancic”, Belgrade, R.Serbia.
- 2007 - 2012.** Researcher upon agreement between Institute for Medicinal Plant Research, National Park “Tara” and Institute for Nature Protection of Serbia:
Project title: *“Long-scale cultivation and reintroduction of Yellow Gentian (G. lutea) in Serbia”*
- 2010 - 2011.** Project “STAR” No. AAP047, financed by the Ministry of Agriculture of Republic of Serbia and the World Bank.
Project title: *“Possibilities of integrated medicinal and aromatic plants production in the region of Stara mountain and other rural, mountainous biozones of Serbia aiming to diversification of rural households ”*

IV. PUBLICATIONS

Chapters in International Scientific Books

- Kumar V., Markovic T., Emerald M., Dey A. (2016). Herbs: composition and dietary importance. In: Encyclopedia of Food and Health, (Caballero B., Finglas P. and Toldrá F. Ed.), vol. 3: 332-337. Elsevier Ltd. [ISBN9780123849533].
Chapter doi: [10.1016/B978-0-12-384947-2.00376-7](https://doi.org/10.1016/B978-0-12-384947-2.00376-7)
- Markovic T., Nikolic M., Glamoclija J., Ciric A., Emerald M., Radanovic D., Jeliaskov V., Sokovic M. (2016): Essential oils for the prevention and treatment of human opportunistic fungal diseases, In: Medicinal and Aromatic Crops: Production, Phytochemistry, and Utilization, Chapter 15: pg 247-277. ACS Symposium Series, Vol. 1218, American Chemical Society. [ISBN13: 9780841231276 eISBN: 9780841231269].
Chapter doi: [10.1021/bk-2016-1218.ch015](https://doi.org/10.1021/bk-2016-1218.ch015)
- Markovic D., Cetenovic B., Vukovic A., Jokanovic V., Markovic T. (2016): Nanosynthesized calciumsilicatebased biomaterials in endodontic treatment of young permanent teeth. In: Applications of NanoBioMaterials (I-IX) Multi-Volume Set. (Grumazescu A.M. Ed.), Volume XI: NanoBioMaterials in Dentistry, pg. 269-307. Elsevier Ltd. [ISBN 978-0-323-42867-5].
Chapter doi: [10.1016/B978-0-323-42867-5.00011-4](https://doi.org/10.1016/B978-0-323-42867-5.00011-4)
- Marinkovic J., Markovic T., Milicic B., Sokovic M., Ciric A., Markovic D. (2019). Outstanding Efficacy of Essential Oils Against Oral Pathogens. In: Essential Oil Research, Trends in Biosynthesis, Analytics, Industrial Applications and Biotechnological Production (Sonia Malik Ed.), Part 2: Uses of Essential Oils in Various Industries, pg. 211-233. Springer, Cham. [Print ISBN 978-3-030-16545-1 Online ISBN 978-3-030-16546-8]
Chapter doi: [10.1007/978-3-030-16546-8_7](https://doi.org/10.1007/978-3-030-16546-8_7)

Articles in International Scientific Journals

- Dajic Stevanovic Z., Nastovski T., Ristic M., Radanovic D. (2009): "Variability of Essential Oil Composition of Cultivated Feverfew (*Tanacetum parthenium* (L.) Schultz Bip.) Populations", *Journal of Essential Oil Research*, **21**(July/August): 292-294.
- Chatzopoulou P., Markovic T., Radanovic D., Koutsos T., Katsiotis S. (2009): "Hypericin content and essential oil composition of a Serbian *H. perforatum* local population cultivated in different ecological conditions", *Journal of Essential Oil Bearing Plants*, **12**(6): 666-673.
- Markovic T., Chatzopoulou P., Siljegovic J., Nikolic M., Glamoclija J., Ciric A., Sokovic M (2011): "Chemical analysis and antimicrobial activities of the essential oils of *Satureja thymbra* L. and *Thymbra spicata* L. and their main components", *Archives of Biological Sciences*, **63**(2), 457-464.
- Todorovic G., Živanovic T., Jevdovic R., Kostic M., Dordevic R., Zecevic B., Markovic T. (2011): "The mode of inheritance of grain yield in two single-cross maize (*Zea mays* L.) hybrids", *Romanian Agricultural Research*, **28**: 71-77.
- Nikolic M., Markovic T., Markovic D., Peric T., Glamoclija J., Stojkovic D., Sokovic M. (2012): "Screening of antimicrobial and antioxidant activity of commercial *Melaleuca alternifolia* (tea tree) essential oils", *Journal of Medicinal Plants Research*, **6**(22): 3852-3858.
- Nikolic M., Markovic T., Mojovic M., Pejcin B., Savic A., Peric T., Markovic D., Stevic T., Sokovic M. (2013): "Chemical composition and biological activity of *Gaultheria procumbens* L essential oil", *Industrial Crops and Products*, **49**: 561-567.
- Nikolic M., Glamoclija J., Ferreira C.F.R.I., Calhelha C.R., Fernandes A., Markovic T., Markovic D., Giweli A., Sokovic M. (2014): "Chemical composition, antimicrobial, antioxidant and antitumor activity of *Thymus serpyllum* L., *Thymus algeriensis* Boiss. & Reut and *Thymus vulgaris* L. essential oils", *Industrial Crops and Products*, **53**: 183-190.
- Nikolic M., Jovanovic K., Markovic T., Markovic D., Gligorijevic N., Radulovic S., Sokovica M. (2014): "Study on chemical composition, antimicrobial and cytotoxic properties of five

- Lamiaceae* essential oils”, *Industrial Crops and Products*, **61**: 225-232.
- Radanovic D., Markovic 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.
- Nikolic M., Markovic T., Glamoclija J., Peric T., Markovic D., Ciric A., Sokovic M. (2015): “Sensitivity of clinical isolates of *Candida* to essential oils from *Burseraceae* family”, *EXCLI Journal* (accepted 13.12.2014)
- Nikolic M., Stojkovic D., Glamoclija J., Ciric A., Markovic T., Smiljkovic M., Sokovic M. (2015): “Could essential oils of green and black pepper be used as food preservatives?”, *Journal of Food Science and Technology*, **52**(10): 6565-6573.
- Duduk N., Markovic T., Vasic M., Duduk B., Vico I., Obradovic A. (2015): “Antifungal activity of three essential oils against *Colletotrichum acutatum*, the causal agent of strawberry anthracnose”, *Journal of Essential Oil Bearing Plants*, **18**(3): 529-537.
- Filipovic V., Radanovic D., Markovic T., Ugrenovic V., Protic R., Popovic V., Sikora V. (2016): “Productivity and tuber quality of *Helianthus tuberosus* L cultivated on different soil types in Serbia”, *Romanian Biotechnological Letters*, **21**(4): 11691-11700.
- Nikolic, M., Smiljkovic, M., Markovic, T., Ciric, A., Glamoclija, J., Markovic, D., Sokovic, M. (2016): Sensitivity of clinical isolates of *Candida* to essential oils from *Burseraceae* family. *EXCLI Journal*, **15**:280-289.
- Nikolic M., Markovic T., Markovic D., Glamoclija J., Ciric A., Smiljkovic M., Sokovic M. (2016): Antimicrobial activity of three *Lamiaceae* essential oils against common oral pathogens. *Balkan Journal of Dental Medicine*, **20**(3): 160-167.
- Nikolic, M., Jovanovic, K., Markovic, T., Markovic, D., Gligorijevic, N., Radulovic, S., Glamoclija, J., Sokovic, M. (2017): Antimicrobial synergism and cytotoxic properties of *Citrus limon* L., *Piper nigrum* L., and *Melaleuca alternifolia* (Maiden & Betche) Cheel essential oils, *Journal of Pharmacy and Pharmacology*, **69**: 1606–161
- Radoukova, T., Zheljazkov, V.D., Semerdjieva, I., Dincheva, I., Stoyanova, A., Kacániová, M., Markovic, T., Radanovic, D., Astatkie, T., Salamon, I. (2018): Differences in essential oil yield, composition and bioactivity of three juniper species from Eastern Europe. *Industrial Crops & Products*, **124**:643–652.
- Jokic G., Blažic, T., Markovic, T., Dedovic S., Brkic, D., Vuksa, M. (2018): Wild *Mus musculus* response on two different essential oils with high repellent potential. *Journal of Stored Products Research*, **79**:106-111.
- Matkovic, A., Markovic, T., Vrbnicanin S., Saric-Krsmanovic, M., Božic, D. (2018): Chemical composition and in vitro herbicidal activity of essential oils on *Sorghum halepense* (Pers.) *Lekovite sirovine*, **38**:44-50
- Radanovic, D., Matkovic, A., Đurovic-Pejcev, R., Markovic, T., Filipovic, V., Mrdjan, S., Vasin, J. (2018): Preliminary results of *Satureja montana* cultivated under mulch film in dry farming conditions of South Banat, *Lekovite sirovine*, **38**:51-57.
- Trisic, D., Cetenovic, B., Zdravkovic, N, Markovic, T., Dojcinovic, B., Jokanovic, V., Markovic, D. (2019); Antibacterial effects of new endodontic materials based on calcium silicates, *Vojnosanitetski Pregled*, **76**(4): 365–372.
- Markovic T., Radanovic D., Nastasijevic B., Antic-Mladenovic S., Vasic V., Matkovic A. (2019): Influence of single basal fertilization and planting density models on yield and quality of roots of *Gentiana lutea* ssp. *symphyandra* (Murb.) Hayek produced in dry-farming conditions under permeable and biodegradable film, *Industrial Crops and Products*, **132**: 236–244.
- Vasilijevic B., Mitic-Culafic D., Djekic I., Markovic T., Knežević-Vukčević J., Tomasevic I., Velebit B., Nikolic B. (2019): Antibacterial effect of *Juniperus communis* and *Satureja montana* essential oils against *Listeria monocytogenes* in vitro and in wine marinated beef, *Food Control*, **100**: 247-256.
- Semerdjieva I., Zheljazkov V., Radoukova Tz, Radanovic D., Markovic T., Dincheva I., Stoyanova A., Astatkie T., Kacániová M. (2019): Essential Oil Yield, Composition, Bioactivity and leaf morphology of *Juniperus oxycedrus* L. from Bulgaria and Serbia, *Biochemical Systematics*

and Ecology, **84**:55-63.

- Duduk B., Duduk N., Vico I., Stepanovic J., Markovic T., Rekanovic E., Kube M., Radanovic D. (2019): Chamomile floricolous downy mildew caused by *Peronospora radii*, *Phytopathology*, **109**(11): 1900–1907.
- Marinković J., Mitić Čulafić D., Nikolić B., Đukanović S., Marković T., Tasić G., Ćirić A., Marković D. (2020): Antimicrobial potential of irrigants based on essential oils of *Cymbopogon martinii* and *Thymus zygis* towards *in vitro* multispecies biofilm cultured in *ex vivo* root canals, *Archives of Oral Biology*, **117**: 104842. <https://doi.org/10.1016/j.archoralbio.2020.104842>.

Articles in National Scientific Journals

- Kostic I., Markovic T., Krnjajic S. (2012): „Secretory structures of aromatic plants with special reference to the secretory structures with essential oils, their place of synthesis and major functions“, *Lekovite sirovine*, **32**: 3-25.
- Jevdovic R., Filipovic V., Todorovic G., Dimitrijevic S., Markovic T. (2012): „Impact of spacing and soil types on yield of the aboveground biomass of Bigroot geranium (*Geranium macrorrhizum* L.)“, *Lekovite sirovine*, **32**: 59-64.
- Filipovic V., Jevdovic R., Dimitrijevic S., Markovic T., Grbic J. (2012): „Influence of application of organic mulches on agro-physical characteristics and yield of carrot root“, *Lekovite sirovine*, **32**: 37-46.
- Duduk N., Vasic M., Vico, I., Duduk B., Markovic, T. (2013): Glucosinolates – plant derived antifungal compounds, *Biljni lekar*, **41**(3): 362-369.
- Matkovic A., Vrbnicanin S., Markovic T., Božic D. (2014): Experimental methods applicable in cultivation of medicinal plants“. *Lekovite sirovine*, **34**: 29-44.
- Filipovic V., Popovic V., Acimovic M., Markovic T., Protic R., Ugrenovic V., Sikora V. (2014): Stimulatori klijavosti semena *Origanum heracleoticum* L. i *Origanum vulgare* L., *Lekovite sirovine*, **34**: 81-92.
- Kumar V., Dey A., Hadimani M.B., Markovic T., Emerald M. (2015): Chemistry and pharmacology of *Withania somnifera*: An update“. *Tang (Humanitas medicine)*, **5**(1):1-13.
- Matkovic A., Božic D., Filipovic V., Radanovic D., Vrbnicanin S., Markovic T. (2015): Mulching as a physical weed control method applicable in medicinal plants cultivations, *Lekovite sirovine*, **35**, 37-51.
- Filipovic V., Acimovic M., Ugrenovic V., Radanovic D., Markovic T., Popovic V., Matkovic A. (2015): Valerian roots (*Valeriana officinalis* L.) produced in autumn and spring planting date. *Lekovite sirovine*, **35**: 131-139.
- Nikolic M., Markovic T., Ciric A., Glamoclija A., Markovic D., Sokovic M. (2015): Susceptibility of oral *Candida* spp. reference strains and clinical isolates to selected essential oils of Apiaceae species. *Lekovite sirovine*, **35**: 151-162.
- Radanovic D., Markovic T., Vasin J., Banjac D. (2016): The efficiency of using different mulch films in the cultivation of yellow gentian (*Gentiana lutea* L.) in Serbia. *Ratar. Povrt.* **53**(1): 30-37
- Bogojevic J., Nikolic M., Markovic T., Ciric A., Markovic D. (2016): Analysis of chemical composition of the most efficient essential oils towards *Enterococcus faecalis* referent strain ATCC 29212 and clinical isolates. *Lekovite sirovine*, **36**: 3-25.
- Filipovic V., Ugrenovic V., Radanovic, D., Markovic T., Popovic V., Dordevic S., Dimitrijevic S. (2016): Agrotehnicka istraživanja u cilju standardizacije tehnologije proizvodnje semena crnog kima (*Nigela sativa* L.) *Lekovite sirovine*, **36**: 47-60.
- Matkovic A., Markovic T., Filipovic V., Radanovic D., Vrbnicanin S., Božic D. (2016): Preliminary investigation on efficiency of mulches and other mechanical weeding methods applied in *Mentha piperita* L. cultivation. *Lekovite sirovine*, **36**: 61-74.

International Conferences (Lectures & Presentations published IN EXTENSO)

- Turudija Živanovic S., Markovic T., Živanovic T. (2011): Potentials of mountainous region of Serbia for MAP sector development. International Scientific Meeting: Multifunctional Agriculture and Rural Development (V), Banja Vrujci, Serbia, *Economics of Agriculture, Special Issue 2*, 204-210.
- Jevdovic D. R., Todorovic N. G., Markovic Lj. T., Kostic B. M., Sivcev L. I., Stankovic R. S. (2012): „Effect of fertilization on yield, seed quality and content of essential oil of Anise (*Pimpinella anisum* L.) and Dill (*Anethum graveolens* L.), VII CMAPSEEC, 27-31, May, 2012. Subotica, Serbia. Proceedings, 428-434.
- Kostic B. M., Kostic M. I., Markovic Lj. T., Jevdjovic D. R., Stankovic R. S., Todorovic N. G., Nedic M. N. (2012): „Disruption of attractant properties of potato foliage on *Leptinotarsa decemlineata* Say by the use of *Salvia officinalis* essential oil“, VII CMAPSEEC, 27-31, May, 2012. Subotica, Serbia. Proceedings, 351-356.
- Nedic M.N, Andric G.G., Kostic R.M, Markovic Lj.T, Kljajic J. P., Stankovic R. S., Markovic I. M. (2012); “Tolerance of honey bees on three commercial essential oils“, VII CMAPSEEC, 27-31, May, 2012. Subotica, Serbia. Proceedings, 362-369.
- Radanovic S. D., Antic-Mladenovic B. S., Markovic Lj. T., Sekulic D. P., Ninkov, M. J. (2012): “Yield and mineral content of Yellow Gentian root (*Gentiana lutea* L.) grown on black water-permeable foil in organic and mineral model of fertilization“, VII CMAPSEEC, 27-31, May, 2012. Subotica, Serbia. Proceedings, 291-298.
- Sivcev I., Tomasev I., Markovic T., Kostic M., Sivcev L., Graora D. (2012): Potential of traps baited with aggregation attractant of the sugar-beet weevil. International Symposium on Current Trends in Plant Protection Belgrade, Serbia. Proceedings, 516-519.
- Nedic, N., Kostic, M., Markovic, T., Markovic, M., Plavska, N., Maksimovic, R. (2013): “Tolerance of honey bees on winter savory (*Satureja montana*) and sage (*Salvia officinalis*) essential oils“. 23rd International Symposium „New technologies in contemporary animal production“, June 19-21, 2013, Novi Sad, Serbia. Proceedings, 262-265.
- Radanovic D., Markovic T., Aiello N., Fusani P. (2014): “Cultivation trials on *Gentiana lutea* L. in the South and South-East Europe“. VIII Conference on Medicinal and Aromatic Plants of Southeast European Countries, 19th-22nd May, 2014, Durres, Albania. Proceedings, 312-325.
- Nedic N., Kostic M., Markovic T., Markovic M., Jevtic G., Anđelković B. (2014): “Insecticidal activity of sage (*Salvia officinalis*) essential oil to *Varroa destructor* (Acari: Varroidae) and *Apis mellifera* (Hymenoptera: Apidae)“. The Second International Symposium on Animal Science, September 23-25th, 2014. Faculty of Agriculture, University of Belgrade, Belgrade, Serbia. Proceedings, 472-478.
- Filipovic, V., Ugrenovic, V., Popovic, V., Markovic, T., Glamoclija, D., Miletic A., Jugovic, M. (2014): “Primary active seed substances from medicinal plants as a possible supplement to livestock nutrition“. The Second International Symposium on Animal Science, September 23-25th, 2014. Faculty of Agriculture, University of Belgrade, Belgrade, Serbia. Proceedings, 272-277.
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- Božić D., Filipovic V., Matkovic A., Markovic T., Vrbnicanin S. (2015): Effect of composting on weed seeds survival. VII Congress on plant protection: "Integrated Plant Protection – Knowledge – Based Step Towards Sustainable Agriculture, Forestry and Landscape Architecture", In: D., Marcic, M., Glavendekic, P., Nicot (Eds.). Plant Protection Society of Serbia (PPSS), IOBC-EPRS and IOBC-WPRS, Zlatibor, Serbia, 24-28 November 2014. Proceedings, 171-174.

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- Nedic N., Kostic M., Markovic T., Matovic K., Markovic M. (2016): "Tolerance of honey bees on common juniper (*Juniperus communis*) and scots pine (*Pinus silvestris*) essential oils", VII International Scientific Agriculture Symposium "Agrosym 2016", 06-09th October, 2016, Jahorina, Bosnia and Herzegovina. Proceedings, 2319-2324.
- Matkovic A., Božic D., Markovic T., Vrbnicanin S. (2017): Effect of essential oils on germination and seedling growth of two ragweed species. 6e Conférence sur les Moyens Alternatifs de Protection pour une Production Intégrée. 21-23th March, 2017, Lille, France. Proceedings, 438-444.
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- Mrđan S., Crnobarac J., Marković T., Đurić S., Dragumilo A., Filipović V., Radanović D. (2020): Influence of IBA based stimulators and IAA based biostimulator on propagation of *Rosmarinus officinalis* L., by cuttings. XI International Scientific Agriculture Symposium "Agrosym 2020", 8-11 October 2020, Jahorina, Bosnia and Herzegovina. Proceedings...

Scientific & Professional Books (in Serbian)

a) Book author

- Markovic T. (2008): Secrets of medicinal, spicy and aromatic biogarden. Published by the author. Belgrade, 168 pages. (ISBN 978-86-911939-0-4)
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National Technical solutions and Patents

a) New products & technical solutions

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Title: "Standardized ethanolic extract of the roots of cultivated Yellow Gentian 1: 4."
Result of the project BTN 321003B: „Standardized liquid extract of cultivated gentian root (*Extractum gentianae*) and Arnica flower (*Extractum arnicae*) for use in the pharmaceutical, food and cosmetic industry“.
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- Authors: Samardžić Z., Bigović D., Marković T., Radanović D. (2008):
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- Authors: Filipović V., Ugrešević V., Popović V., Radanović D., Djordjević S., Marković T., Dimitrijević S., Terzić D. (2017):
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b) Improved technologies

- Authors: Radanović D., Marković T., Spasojević B. (2007):
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Project period: 2011-2017.