



Željko Dolijanović

Date of birth: 15/11/1973 | **Place of birth:** Mratinci Bratunac, Bosnia and Herzegovina |

Nationality: Serbian | **Phone number:** (+381) 658306368 (Mobile) | **Email address:**

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<https://orcid.org/0000-0002-9224-3274> | **Address:** Nemanjina 6, 11080, Zemun, Serbia (Work)

WORK EXPERIENCE

20/11/2018 – CURRENT Belgrade, Serbia

FULL PROFESSOR UNIVERSITY OF BELGRADE FACULTY OF AGRICULTURE, INSTITUTE OF CROP AND VEGETABLE SCIENCE PRODUCTION

Teaching activity through theoretical and practical lectures with students on several subjects in Agroecology Science field; Mentor of Bachelor, Master and Doctoral thesis

Research work: the field of agricultural practices and agroecology, with particular reference to the improvement of research in the field of special cropping systems (crop rotation, intercropping and cover crops) in conventional, sustainable and organic production methods.

12/11/2013 – 20/11/2018 Belgrade, Serbia

ASSOCIATE PROFESSOR UNIVERSITY OF BELGRADE FACULTY OF AGRICULTURE, INSTITUTE OF CROP AND VEGETABLE SCIENCE PRODUCTION

Teaching activity through theoretical and practical lectures with students on several subjects in Agroecology Science field; Mentor of Bachelor, Master and Doctoral thesis

Research work: the field of agricultural practices and agroecology, with particular reference to the improvement of research in the field of special cropping systems (crop rotation, intercropping and cover crops) in conventional, sustainable and organic production methods.

09/02/2009 – 12/11/2013 Belgrade, Serbia

ASSISTANT PROFESSOR UNIVERSITY OF BELGRADE FACULTY OF AGRICULTURE, INSTITUTE OF CROP AND VEGETABLE SCIENCE PRODUCTION

Teaching activity through theoretical and practical lectures with students on several subjects in Agroecology Science field; Mentor of Bachelor, Master and Doctoral thesis

Research work: the field of agricultural practices and agroecology, with particular reference to the improvement of research in the field of special cropping systems (crop rotation, intercropping and cover crops) in conventional, sustainable and organic production methods.

11/02/2003 – 09/02/2009 Belgrade, Serbia

ASSISTANT OF CROP AND VEGETABLE SCIENCE (AGROECOLOGY) UNIVERSITY OF BELGRADE FACULTY OF AGRICULTURE, INSTITUTE OF CROP AND VEGETABLE SCIENCE PRODUCTION

Teaching activity through practical work with students on several subject in Agroecology, Crop and Vegetable Science Production and General farming; Research work: Influence of different cropping systems (especially intercropping) on the productivity maize and soybean; Investigation of traditional and modern tillage systems;

20/08/2000 – 11/02/2003 Belgrade, Serbia

TEACHING ASSISTANT OF CROP AND VEGETABLE SCIENCE PRODUCTION (AGROECOLOGY) UNIVERSITY OF BELGRADE FACULTY OF AGRICULTURE, INSTITUTE OF CROP AND VEGETABLE SCIENCE PRODUCTION

Teaching activity through practical work with students on several subject in Agroecology Crop and Vegetable Science Production and General farming; Research work Influence of different cropping systems (especially intercropping) on the productivity maize and soybean; Investigation of traditional and modern tillage systems;

● **EDUCATION AND TRAINING**

2002 – 2008 Belgrade , Serbia
PH.D CROP AND VEGETABLE SCIENCE PRODUCTION (AGROECOLOGY AND CULTURAL PRACTICES)
University of Belgrade, Faculty of Agriculture, Institute of Crop and Vegetable Science Production

Field of study Agriculture, forestry, fisheries and veterinary |
Thesis The productivity of maize and soybean intercropping in dependence on hybrids, pattern arrangement and watering regime

1997 – 2002 Belgrade, Serbia
MAGISTER OF CROP AND VEGETABLE SCIENCE PRODUCTION (SOIL TECHNOLOGY) University of Belgrade, Faculty of Agriculture, Institute of Crop and Vegetable Science Production

Thesis The effect of aditive design and fertilization on productivity of maize and soyabean intercropping system

1993 – 1997
BACHELOR OF SCIENCE (CROP SCIENCE PRODUCTION) University of Belgrade, Faculty of Agriculture, Institute of Crop and Vegetable Science Production

● **LANGUAGE SKILLS**

Mother tongue(s): **SERBIAN**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **SKILLS**

Social skills and Competencies

Presentation skills | Verbal and written communication of ideas and findings | Remarkable teaching experience | respectful | I like working in cooperative environment | Team spirit | good attitude | open-minded | polite

Organisational skills and competences

Independent and self-motivated | organized | problem solver | prefer to work in teams | very good organisational skills in preparing student thesis

Technical and computer skills and competences

Experienced user of computers | including MS Office: MS Word, MS Excel, MS PowerPoint | email and internet | Capable of analysing datasets with statistical programs

Driving licence

Full driving licence (B category)

● **FELLOWSHIP**

09/2013
“Sveučilište Josipa Jurja Strossmayera Osijek”, Croatia

05/2011
Faculty of Agriculture and Life Sciences, University of Maribor (Slovenia)

04/2015 – 05/2015
Continuing education course in Israel

● **TEACHING ACTIVITY**

Theoretical and practical lectures on several subject in the field of Agroecology and Environmental protection in field crop and vegetable production on different levels of studying

● **SUPERVISION**

Supervising and monitoring students thesis at undergraduate and postgraduate studies levels (BSc, MSc, PhD)

● **REFeree ACTIVITY**

List of journals

Journal: Editorial board of journals: Agricultural Engineering (Serbia), Acta herbologica (Serbia) and Agriculture and Forestry (Montenegro), Reviewers: Journal of Agricultural Sciences, Journal of Agricultural Sci. and Technology. Agronomy Journals MDPI (Agronomy, Agriculture, Frontiers, Sustainability, Atmosphere, Metabolism etc), ACS Agriculturae Conspectus Scientificus, Applied Ecology and Environmental Research, Frontiers in Plant Science, Genetika, Belgrade, International Journal of Plant Production, Journal of Agricultural Science and Applications, Plant Production Science, Romanian Biotechnological Letters, South African Journal of Plant and Soil, Acta Agriculturae Serbica, Pesticides&Phytomedicine, Journal of scientific agricultural research, Biotechnical animal husbandry, Economics of Agriculture, Journal on Processing and Energy in Agriculture, Annals of Agronomy, Field and Vegetable Crops Research, Agricultural Engineering, Contemporary Agriculture, Journal of Agricultural Sciences Belgrade, Acta herbologica, Agriculture and Forestry (Montenegro), Agro-knowledge Journal, Agriculture (Slovenia), Journal of plant protection (Croatia), Agriculture (Croatia). Reviewer of study program, monographs, university text book, technical solution (methods)

Projects: Bilateral project Serbia – Slovenia

● **RESEARCH AND OTHER PROJECTS**

Involved in past and current research projects (19) funded by the Serbian Ministry of Education, Science and Technological Development and Ministry of Agriculture, Forestry and Water Management

2022 year – “Strengthening the resilience of the agricultural sector to natural disasters”. Training of employees of the Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia. Adaptation to climate change in agriculture in the Republic of Serbia. Production systems in the function of climate change (Agroecological concepts, Sustainable agriculture, Good agricultural practices).

2017 year – “Knowledge transfer from the Faculty of Agriculture to agricultural producers - together towards safe and competitive products”. Ministry of Agriculture, Forestry and Water Management, Agrarian Payments Administration, Decision No.: 680-00-00049/1(2017-02).

2015 year "Improvement of organic agricultural production in Western Serbia through education of agricultural producers" at the Ministry of Agriculture and Environmental Protection.

Current National projects: 31037 and 31066 (2011 – 2016) funded by Ministry of education, science and technological development, Republic of Serbia.

Involved in “Formation of sustainable development indicators” funded by Ministry of Environmental Protection, Republic of Serbia (2004 – 2005).

Involved in “Introduction of integral and organic plant production and good agricultural practice” - education program for agricultural producers funded by Ministry of Agriculture, Forestry and Water Management Republic of Serbia (2005-2006)

Involved in “Improvement of organic field production in hilly and mountainous regions of Serbia” Transitional Agriculture Reform Project (STAR project) (2010-2011)

"Increasing the genetic and production potential of small grains by applying classical and modern biotechnology" Technological development project funded by the Ministry of Science and Technology of the Republic of Serbia.

Program: Technological development Area: Biotechnology. Topic title: "Increasing the genetic and production potential of small grains under organic production conditions". (2008-2010).

"Possibilities of Utilizing the Hilly and Mountainous Areas of Serbia for Organic Crop Production". Technological Development Project funded by the Ministry of Science and Technology of the Republic of Serbia. Program: Technological Development Area: Biotechnology. (2008-2010).

● **ASSOCIATION MEMBER**

I am Member of the following associations:

- Academy of Engineering Sciences of Serbia,
- Agricultural and Weed Science Society of Serbia,
- Matica Srpska
- Agronomy Society of Serbia (president from 2004-2012) and the
- Serbian Soil Tillage Research Organization

● PUBLICTIONS (BOOKS, CHAPTERS)

Chapters, textbooks, monographs,

Chapters:

1. Dolijanović, Ž., Simić, M. (2015): Chapter: Intercropping Systems: Principles, Production Practices and Agronomic Benefits, pp 1-43. In: Agricultural Research Updates pp 180. Volume 12, Editors: Prathamesh Gorawala and Srushti Mandhatri ISBN: 978-1-63483-967-9. ISSN: 2160-1739. Published by Nova Science Publishers, Inc., New York.
2. Dolijanović, Ž., Simić, M. (2016): Chapter: The Role of the Crop Rotation in Maize Agroecosystem Sustainability, pp 93-124. In: Zea mays L.: Molecular Genetics, Potential Environmental Effects and Impact on Agricultural Practices, 134. Editors: Loretta Barnes. ISBN:978-1-53610-201-7. Published by Nova Science Publishers, Inc., N. York.
3. Simić, M., Dolijanović, Ž. (2016): Chapter: Maize Protection: The Integrated Weed Management System Benefits, pp 51-84. In: Zea mays L.: Molecular Genetics, Potential Environmental Effects and Impact on Agricultural Practices, 134. Editors: Loretta Barnes ISBN:978-1-53610-201-7. Published by Nova Science Publishers, Inc., N. York.
4. Djekic, I., Kovačević, D., Dolijanović, Ž. (2020) Impact of Climate Change on Crop Production in Serbia. In: Leal Filho W., Luetz J., Ayala D. (eds) Handbook of Climate Change Management. Springer, Cham. https://doi.org/10.1007/978-3-030-22759-3_36-1 Online ISBN 978-3-030-22759-3
5. Subić, J., Roljević Nikolić, S., Dolijanović, Ž. (2022): Economic effects of vegetable production and processing on the agricultural holding. International Scientific Conference: Sustainable agriculture and rural development II, Thematic proceeding, 245-256. ISBN 978-86-6269-111-8 ISBN (e-book) 978-86-6269-110-1 COBISS.SR-ID 57724425

Textbooks:

1. Oljača, S., Dolijanović, Ž. (2003): Practicum in Agroecology. First edition. Faculty of Agriculture, Zemun. 101 pp. ISBN: 86-80733-56-3, Cobiss.SR-ID 111379212
2. Dolijanović, Ž., Bročić, Z. (2004): Practicum in Crop Production. First edition. Faculty of Agriculture, Zemun 89 pp. ISBN: 86-80733-60-1, Cobiss.SR-ID 112038156
3. Kovačević, D., Dolijanović, Ž. (2006): Practicum in General Crop Production. First edition. Faculty of Agriculture, Zemun 168 pp. ISBN: 86-7834-006-1, Cobiss.SR-ID 130947852
4. Oljača, S., Dolijanović, Ž. (2010): Practicum in Agroecology. Second, unedited edition. Faculty of Agriculture, Zemun. 101 pp. ISBN: 978-86-7834-048-2, Cobiss.SR-ID 173178124.
5. Dolijanović, Ž., Bročić, Z. (2008): Practicum in Crop Production. Second, unedited edition. Faculty of Agriculture, Zemun. 89 pp. ISBN: 978-86-7834-047-5, Cobiss.SR-ID 146307596.
6. Dolijanović, Ž., Bročić, Z. (2014): Practicum in crop farming. Third, revised and supplemented edition. Faculty of Agriculture, Zemun. 106 pp. ISBN 978-86-7834-202-8, COBISS.SR-ID 208493068.
7. Kovačević, D., Dolijanović, Ž. (2018): Fundamentals of agroecology and agricultural technology. textbook. Faculty of Agriculture, Zemun, University of Belgrade. 396 pp. ISBN: 978-86-7834-298-1 COBISS.SR-ID 259630092
8. Dolijanović, Ž., Bročić, Z., Oljača, J. (2024): Practicum in crop farming. First edition. Faculty of Agriculture, Zemun. 124 pp. ISBN 978-86-7834-202-8, COBISS.SR-ID 137197833.
9. Zorica Ranković Vasić, Ana Vuković Vimić, Marija Ćosić, Željko Dolijanović, Dragan Stanojević (2024): Climate changes in agriculture. Handbook for secondary vocational schools in the field of agriculture, production and food processing. Association of secondary schools in the field of agriculture, production and food processing. Editors: Prof.dr Zorica Ranković Vasić and dipl. eng. Svetlana Mladenović. ISBN 978-86-906676-0-4 COBISS.SR-ID 152977673

Monographs:

1. Kovačević, D., Dolijanović, Ž. (2017): Organic Field Production. Faculty of Agriculture, University of Belgrade. Monograph pp 240. ISBN 978-86-7834-268-4. COBISS.SR-ID 247793164.
2. Oljača Snežana, Dolijanović, Ž. (2013): Ecology and Agrotechnics of Intercropping. Faculty of Agriculture, University of Belgrade. Monograph pp 173. ISBN 978-86-7834-172-4. COBISS.SR-ID 199410956.

● PUBLICATIONS

Published 418 articles in national and international Journals and Symposium and Congress Proceedings (presented some selected references) –h index Scopus – 12. Selected references:

- Jovovic, Z., **Dolijanovic, Z.**, Spalevic, V., Dudic, B., Przulj, N., Velimirovic, A., Popovic, V. (2021): Effects of Liming and Nutrient Management on Yield and Other Parameters of Potato Productivity on Acid Soils in Montenegro. Agronomy, 11,980. <https://doi.org/10.3390/agronomy11050980>
- Dragicevic, V., **Dolijanović, Ž.**, Janosevic, B., Brankov, M., Stojiljkovic, M., Dodevska, M.S., Simić, M. (2021): Enhanced Nutritional Quality of Sweet Maize Kernel in Response to Cover Crops and Bio-Fertilizer. Agronomy 2021, 11, 981. <https://doi.org/10.3390/agronomy11050981>

Seremesic, S., Jovović, Z., Jug, D., Djikic, M., **Dolijanović, Ž.**, Bavec, F., Jordanovska, S., Bavec, M., Đurđević, B., & Jug, I. (2021): Agroecology in the West Balkans: pathway of development and future perspectives, *Agroecology and Sustainable Food Systems*, DOI: 10.1080/21683565.2021.1913464

Dolijanović, Ž., Roljević Nikolić, S., Dragičević, V., Mutić, J., Šeremešić, S., Jovović, Z., Popović-Djordjević, J. (2022): Mineral composition of soil and the wheat grain in intensive and conservation cropping systems. *Agronomy* 2022, 12(6), 1321; <https://doi.org/10.3390/agronomy12061321>

Dragičević, V., Simić, M., **Dolijanović, Ž.**, Đorđević, S., Stoilković, M., Dimkić, I., Brankov, M. (2024): Combined effect of cover crops and bio-fertilizer on sustainable popcorn maize production. *Frontiers in Plant Science, section Crop and Product Physiology (Front. Plant Sci.)* 14:1250903. doi: 10.3389/fpls.2023.1250903

Dragičević, V., Oljaca, S., Stojiljkovic, M., Simic M., **Dolijanovic, Z.**, Kravic, N. (2015): Effect of the maize-soybean intercropping system on the potential bioavailability of magnesium, iron and zinc. *Crop and Pasture Science*, 66 (11), 1118-1127. <http://dx.doi.org/10.1071/CP14211>.

Jug, D., Jug, I., Brozović, B., Šeremešić, S., **Dolijanović, Ž.**, Zsembeli, J., Ujj, A., Marjanovic, J., Smutny, V., Dušková, S. Neudert, L., Macák, M., Wilczewski, E., Đurđević, B. (2025): Conservation Soil Tillage: Bridging Science and Farmer Expectations—An Overview from Southern to Northern Europe. *Agriculture* 2025, 15, 260.

Simić, M., **Dolijanović, Ž.**, Maletić, R., Stefanović, L., Filipović, M. (2012): Weed suppression and crop productivity by different arrangement patterns of maize. *Plant, Soil and Environment*, Vol. 58. No 3. 148-153. <https://doi.org/10.17221/606/2011-PSE>

Bročić, Z., **Dolijanović, Ž.**, Poštić, D., Milošević, D., Savić, J. (2016): Yield, tuber quality and weight losses during storage of ten potato cultivars grown at three sites in Serbia. *Potato Research*, 59 (1): 21-34. <https://doi.org/10.1007/s11540-015-9311-7>

Janosevic, B., **Dolijanovic, Z.**, Dragicevic, V., Simic, M., Dodevska, M., Djordjevic, S., Moravcevic, Dj., Miodragovic, R. (2017): Cover crop effects on the fate of N in sweet maize (*Zea mays* L. *saccharata* Sturt.) production in a semiarid region. *International Journal of Plant Production* 11 (2): 285-294.

Dolijanović, Ž., Roljević Nikolić, S., Subić, J., Jovović, Z., Oljača, J., Bačić, J. (2022): Organic spelt production in different regions and assessment of economic efficiency. *Italian Journal of Agronomy* 2022; DOI: 10.4081/ija.2022.2025 17:2025

Dolijanović, Ž., Oljača, S., Kovačević, D., Simić, M. (2007): Effects of different maize hybrids on above ground biomass in intercrops with soybean. *Maydica*, Vol. 52., No3, 265-270.

Simic, M., Srdic, J., Videnović, Z., **Dolijanovic, Z.**, Uludag, A., Kovacevic, D. (2012): Sweet maize (*Zea mays* L. *saccharata*) weeds infestation, yield and yield quality affected by different crop densities. *Bulgarian Journal of Agricultural Science*, Vol. 18., No5, 2012, 668-674

Dolijanović, Ž., Oljača, S., Kovačević, D., Simić, M., Momirović, N., Jovanović, Ž. (2013): Dependence of the productivity of maize and soybean intercropping systems on hybrid type and plant arrangement pattern. *Genetika*, Vol. 45., No1: 135-144. DOI:10.2298/GENSR1301135D

● CONFERENCES

Scientific Committee of Symposiums

President of Scientific Board:

I Symposium of SRBSTRO (Serbian Soil Tillage Research Organization) »Usage and improvement of soil protection«, Decembar 11. 2015, Belgrade, Serbia.

X Symposium with international participation INNOVATIONS in Crop and Vegetable Production, October, 21 -22, 2021. Belgrade, Serbia.

Member of Scientific Committee of Symposiums:

· 3rd International scientific/professional Conference "Agriculture in nature and environment protection", May, 31- June, 2, Vukovar, Croatia, 2010.

· 4th International scientific/professional Conference "Agriculture in nature and environment protection", June, 01-03, Vukovar, Croatia, 2011.

· 5th International scientific/professional Conference "Agriculture in nature and environment protection", June, 04-06, Vukovar, Croatia, 2012.

· International Scientific Symposium of Agriculture "Agrosym Jahorina 2012, 2013, 2014. 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024", Jahorina, BiH.

· 6th International scientific/professional Conference "Agriculture in nature and environment protection", June, 04-06, Vukovar, Croatia, 2013.

· 2nd International Scientific Conference Soil and Crop Management: Adaptation and Mitigation of Climate Change. September 26-28, 2013, Osijek (Republic of Croatia)

· The first international scientific conference Tourism in function of development of the republic of Serbia -Spa tourism in Serbia and experiences of other countries- scientific board, organizer of the conference—Faculty of hotel management and tourism in Vrnjačka banja, University of Kragujevac

· 3rd International Conference Agrobiodiversity "Organic agriculture for agrobiodiversity preservation" 1st-3rd June 2017, Faculty of Agriculture, University of Novi Sad, Serbia.

- The Second International Scientific Conference Tourism in function of development of the Republic of Serbia „Tourism product as a factor of competitiveness of the Serbian economy and experiences of other countries“ June 1st - 3th 2017
- 3rd International Scientific Conference „Sustainability challenges in agroecosystems“, June, 19-21, 2017, Osijek, Croatia.
- VIII Symposium with international participation INNOVATIONS in Crop and Vegetable Production, October, 18 – 19, 2017. (general secretary)
- Consultation of farmers and agronomists of Serbia (Open Doors) "Knowledge transfer from the Faculty of Agriculture to agricultural producers - together towards safe and competitive products" Belgrade-Zemun, April 17, 2018. · First Scientific Conference with international participation "Village and Agriculture", Bijeljina, September 20-21, 2018.
- IX Symposium with international participation INNOVATIONS in Crop and Vegetable Production, October 17 – 18, 2019. (general secretary)
- “The Fifth International Symposium on Agricultural Engineering ISAE-2021 30st September-2nd October 2021, Belgrade – Zemun, Serbia
- National scientific and professional conference with international participation "Data agrif 2022 - Agriculture and Food" June 9-10, 2022, Zemun-Belgrade, Serbia
- The 6th International Symposium on Agricultural Engineering - ISAE 2023 19th - 21st October 2023, Belgrade, Serbia.
- XI Symposium with international participation INNOVATIONS in Crop and Vegetable Production, October 12–13, 2023.