

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)	Zdenko Lončarić
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E-mail	zloncaric@fazos.hr
Nationality	Croatian
Date of birth	17/11/1964
Gender	Male

Desired employment / Occupational field

Scientist/Researches

Work experience

Dates	From 18/ 11/1992 Faculty of Agrobiotechnical Sciences Osijek (Faculty of Agriculture in Osijek) Since 2014 Full Professor Tenure, 2009-2014 Full Professor, 2006-2009 Associate Professor, 2000-2006 Assistant Professor; 1992-2000 Assistant
Occupation or position held	Full Professor Tenure
Main activities and responsibilities	Since 2005 coordinator and lecturer in 10 modules at undergraduate, graduate and postgraduate study level at the Faculty of Agriculture and University of Josip Juraj Strossmayer in Osijek, in the field of Plant nutrition, Agrochemistry, Fertilization, Plant physiology, Agroecology, Digital Agriculture, Environment protection. Since 2021 the Head of Graduate Study Programme Digital Agriculture, Faculty of Agrobiotechnical Sciences Osijek. Vice dean for science at Faculty of Agriculture in period 2005-2013, Vice dean for education and quality control 2017-2021, Head of Department of Agroecology 2009-2015, Chairman of Plant Nutrition and Fertilization Desk in period 2001-2006. He was the leader and/or principal investigator of 3 international and 4 national completed projects and investigator in 6 national and 5 international projects. Currently, he is leader of 2 national research projects financed by the European Union from the European Regional Development Fund and he was a leader of the project Development and establishment of a joint study program "ICT in Agricultural Sciences" funded from the European Social Fund.
Name and address of employer	Faculty of Agrobiotechnical Sciences, Josip Juraj Strossmayer University of Osijek, Vladimira Preloga 1, 31000 Osijek, Croatia
Type of business or sector	Science and higher education

Education and training

Dates	1999
Title of qualification awarded	PhD in Biotechnical sciences, Agronomy
Principal subjects/occupational skills covered	Thesis Title: The mathematical modelling of winter wheat productivity
Name and type of organisation providing education and training	Faculty of Agriculture, Josip Juraj Strossmayer University of Osijek, Kralja Petra Svačića 1 d, Osijek Science and higher education
Dates	1996
Title of qualification awarded	Master of Science in Biotechnical sciences, Agronomy
Principal subjects/occupational skills covered	Thesis Title: The nutrient removal by weeds in slicing cucumber growing in the glasshouse
Name and type of organisation providing education and training	Faculty of Agriculture, Josip Juraj Strossmayer University of Osijek, Kralja Petra Svačića 1 d, Osijek Science and higher education
Dates	1989
Title of qualification awarded	B.Sc of Agronomy, Crop Science
Principal subjects/occupational skills covered	Thesis Title: The use of personal computers to determine fertilizer requirements
Name and type of organisation providing education and training	Faculty of Agriculture, Josip Juraj Strossmayer University of Osijek, Kralja Petra Svačića 1 d, Osijek Science and higher education

Personal skills and competences

Mother tongue(s) **Croatian**

Other language(s)

Self-assessment

European level ()*

English

German

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user
A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user	A2	Basic user

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

Chairman of the Governing Council of College of Agriculture at Križevci, 2012-2020
CEO of Centre for Applied Life Science Healthy Food Chain Ltd, 2015-2022

Member of Executive Board, Croatian Society for Soil Science, 2002-2006

Memberships:

Soil and Plant Analysis Council

International Society of Horticultural Science

EUROSIM (the Federation of European Simulation Societies)

Croatian Society for Soil Science

Croatian Society for Plant Biology

Croatian Society of Agronomists

Computer skills and competences

Programming using VisualBasic, JavaScript, Basic programming languages
Computer skills in graphics, desktop publishing and data procesing
MS Office user

Driving licence

B and C

Additional information

As a coauthor published more than 250 scientific papers, 9 academic textbook (in a field of Plant Nutrition and Fertilization).

Web of Science (all databases): 93 contributions, 583 times cited, h-index: 13

<https://www.webofscience.com/wos/author/record/927101>

Google Scholar: 355 contributions, 2.216times cited, h-index: 22, i10 index: 62

SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=55942614100>

Frontiers <https://loop.frontiersin.org/people/1267529/overview>

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Scientific papers (a1) cited in referral journals (Science Citation Index, Current Contents)

1. Barišić, V., Kerovec, D., Flanjak, I., Jozinović, A., Babić, J., Lončarić, Z., Šubarić, D., Miličević, B., Ačkar, Đ. (2022): **Effect of high-voltage electrical discharge treatment on multi-element content in cocoa shell and chocolates with cocoa shell.** *Lebensmittel-wissenschaft und-technologie-food science and technology*, 155, 112944, 8
2. Ivić, M., Grijušić, S., Plavšin, I., Dvojković, K., Lovrić, A., Rajković, B., Maričević, M., Černe, M., Popović, B., Lončarić, Z., Bentley, A., Swarbreck, S., Šarčević, H., Novoselović, D. (2021): **Variation for nitrogen use efficiency traits in wheat under contrasting nitrogen treatments in South-Eastern Europe.** *Frontiers in plant science*, 12, 2545.
3. Uzinger, N., Szécsy, O., Szűcs-Vásárhelyi, N., Padra, I., Sándor, D. B., Lončarić, Z., Draskovits, E., Rékási, M. (2021) **Short-term decomposition and nutrient-supplying ability of sewage sludge digestate, digestate compost, and vermicompost on acidic sandy and calcareous loamy soils.** *Agronomy*, 11(11), 2249; doi:10.3390/agronomy11112249
4. Galić, L., Špoljarević, M., Auriga, A., Ravnjak, B., Vinković, T., Lončarić, Z. (2021): **Combining selenium biofortification with vermicompost growing media in lamb's lettuce (*Valerianella locusta* L. Laterr).** *Agriculture*, 11, 1072, 11. doi: 10.3390/agriculture11111072.
5. Štolfa Čamagajevac, I., Vuković, R., Vuković, K., Vuković, A., Ivezić, V., Žuna Pfeiffer, T., Krstin, L., Lončarić, Z. (2021): **Wheat leaf antioxidative status - variety-specific mechanisms of zinc tolerance during biofortification.** *Plants*, 10 (10), 2223, 12 doi:10.3390/plants10102223
6. Vuković, A., Velki, M., Ečimović, S., Vuković, R., Štolfa Čamagajevac, I., Lončarić, Z. (2021): **Vermicomposting - facts, benefits and knowledge gaps.** *Agronomy*, 11 (10), 1952, 15 doi:10.3390/agronomy11101952.
7. Ivezić, V., Zebec, V., Popović, B., Engler, M., Teklić, T., Lončarić, Z., Karalić, K. (2021): **Potential of industrial by-products as liming materials and digestate as organic fertilizer and their effect on soil properties and yield of alfalfa (*Medicago sativa* L.).** *Sustainability*, 13(19), 11016, doi:10.3390/su131911016
8. Zebec, V., Lisjak, M., Jović, J., Kujundžić, T., Rastija, D., Lončarić, Z. (2021): **Vineyard Fertilization Management for Iron Deficiency and Chlorosis Prevention on Carbonate Soil.** *Horticulturae*, 7(9), 285; doi:10.3390/horticulturae7090285
9. Galić, L., Špoljarević, M., Jakovac, E., Ravnjak, B., Teklić, T., Lisjak, M., Perić, K., Nemet, F., Lončarić, Z. (2021): **Selenium biofortification of soybean seeds influences physiological responses of seedlings to osmotic stress.** *Plants*, 10 (8), 1498, 12 doi:10.3390/plants10081498
10. Lončarić, Z., Ivezić, V., Kerovec, D., Rebekić, A. (2021): **Foliar zinc-selenium and nitrogen fertilization affects content of Zn, Fe, Se, P, and Cd in wheat grain.** *Plants*, 10 (8), 1549, 10 doi:10.3390/plants10081549
11. Šperanda, T., Pavić, V., Lončarić, Z., Šperanda, M., Popović, M., Gantner, V., Đidara, M. (2021): **Selenium and natural zeolite clinoptilolite supplementation increases antioxidative status and immune response in growing pigs.** *Frontiers in veterinary science*, 8, 688915, 10 doi:10.3389/fvets.2021.688915
12. Varga, I., Lončarić, Z., Kristek, S., Markulj Kulundžić, A., Rebekić, A., Antunović, M. (2021): **Sugar beet root yield and quality with leaf seasonal dynamics in relation to planting densities and nitrogen fertilization.** *Agriculture*, 11, 407, 11 doi:10.3390/agriculture11050407
13. Galić, L., Vinković, T., Ravnjak, B. & Lončarić, Z. (2021): **Agronomic biofortification of significant cereal crops with selenium - a review.** *Agronomy*, 11 (5), 1015, 19 doi:10.3390/agronomy11051015
14. Antunović, Z., Mioč, B., Lončarić, Z., Klir Šalavardić, Ž., Širić, I., Držaić, V., Novoselec, J. (2021): **Changes of macromineral and trace element concentration in the blood of ewes during lactation period.** *Czech Journal of Animal Science*, 66: 129-136
15. Kisić, I., Čorić, R., Lončarić, Z., Jurković, D., Kajić, N., Čorić, A., Jurina, D., Delač, D. (2021): **Effectiveness of different liming materials on some soil properties and yield of crops.** *Journal of Central European Agriculture*, 22 (2), 346-360. doi:10.5513/JCEA01/22.2.3171
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Concentrations of mercury and other elements in ewes' milk: Effect of lactation stage.
Chemosphere, 261, 128128, 7 doi:10.1016/j.chemosphere.2020.128128
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Linking abiotic stress, plant metabolites, biostimulants and functional food.
Annals of Applied Biology, 178 (2), 169-191 doi:10.1111/aab.12651
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Agronomy, 10 (7), 1-18 doi:10.3390/agronomy10070986.
20. Varga, I., Lončarić, Z., Pospišil, M., Rastija, M., Antunović, M. (2020):
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23. Varga, I., Lončarić, Z., Pospišil, M., Rastija, M., Antunović, M. (2020):
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Presence of war related elements in dandelion (*Taraxacum officinale*) as a possible consequence of military activities in Croatia.
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Use of Composted Manure as Substrate for Lettuce and Cucumber Seedlings.
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Scientific papers (a2) cited in referral journals (CAB and/or Agricola)

1. Nemet, F., Perić, K., Lončarić, Z. (2021.): Microbiological activities in the composting process - A review. *Columella - Journal of Agricultural and Environmental Sciences*, 8 (2): 41-53 doi:10.18380/SZIE.COLUM.2021.8.2.41
2. Zorica, M., Kanižai Šarić, G., Lončarić, Z., Zebec, V., Kos, T., Kolega, Š. (2021.): Izazovi u gnojdbi trešnje (*Prunus avium* L.). *Glasiilo biljne zaštite*, 21 (6): 604-622.
3. Poljak, F., Mijić, P., Lončarić, Z., Steiner, Z., Gantner, V. (2021.): The analysis of variability of indicators associated with prevalence of subclinical ketosis/acidosis in dairy cattle. *Agriculturae Conspectus Scientificus*. 86 (3): 259-263.
4. Bijelić, L., Puntarić, D., Gvozdić, V., Vidosavljević, D., Lončarić, Z., Puntarić, A., Puntarić, E., Puntarić, I., Šijanović, S., Vidosavljević, M. (2017.) Maslačak (*Taraxacum officinale*) kao mogući pokazatelj ratnih onečišćenja u istočnoj Hrvatskoj. *Acta medica Croatica*. 17: 25-32.
5. Jurić, D., Puntarić, D., Gvozdić, V., Vidosavljević, D., Lončarić, Z., Puntarić, A., Puntarić, E., Puntarić, I., Šijanović, S., Vidosavljević, M. (2017.): Kupus (*Brassica Oleracea* var. *Capitata*) jedan od mogućih pokazatelja ratom uzrokovanih onečišćenja okoliša u istočnoj Hrvatskoj. *Medica Jadertina*, 47 (1): 39-48.
6. Erhatic, R., Židovec, V., Herak Čustić, M., Lončarić, Z., Vukobratović, M., Ščetačić, Š. (2017.): The Impact of Substrate and Fertilization on Growth and Development of *Viola odorata* L.. *Radovi Poljoprivrednog fakulteta Univerziteta u Sarajevu*. 67 (2): 159-164.
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