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| EuropassCurriculum Vitae |   |
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| Personal information |  |
| First name(s) / Surname(s)  | Vladyslav Zubko |
| Address(es) | H. Kondratiieva Str., 16, apt. 6, 40030, Sumy, Ukraine |
| Telephone(s) | +0380 (0542) 62-78-34 |  | Mobile: + 38 099 7355585 |
| Fax(es) | +38 0542 787472 |
| E-mail | vladyslav.zubko@snau.edu.ua zubkovladislav@ukr.net |
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| Nationality | Ukrainian |
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| Date of birth | 18.04.1983 |
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| Gender | Male |
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| Current employment / Occupational field | Acting Dean at the Faculty of Engineering and TechnologyHead of the Tractors, Agricultural Machinery and Transport Technologies Department, Sumy National Agrarian University |
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| Work experience |  |
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| Dates | 09.2008 till now |
| Occupation or position held | Acting Dean (04.2022 – till now) at the Faculty of Engineering and Technology;Head (09.2016 – till now) of the Tractors and Agricultural Machinery Department;Assistant professor (06.2010 – 09.2016) at the Engineering-technological Faculty;University instructor (09.2008 – 05.2010). |
| Main activities and responsibilities | Teaching and scientific activity in the sphere of agricultural machinery maintenance |
| Name and address of employer | Sumy National Agrarian University, 160 H.Kondratiieva Str., Sumy, 40021, Ukraine |
| Type of business or sector | Higher Educational Institution (Agricultural Sector) |
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| Education and training |  |
| Dates | 04.2021 |
| Title of qualification awarded | Doctor of Engineering Sciences  |
| Principal subjects/occupational skills covered | Substantiation scientific and methodological bases of quality assurance of mechanized works in crop production by increasing the efficiency of realization of biopotential of agricultural crops on the basis of their needs |
| Name and type of organisation providing education and training | National University of Life and Environmental Sciences of Ukraine  |
| Level in national or international classification | Doctor. of Engineering Sciences |
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| Dates | 02.2018 – 05.2018  |
| Principal subjects/occupational skills covered | - research methods of the quality of the agricultural operations;- research methods of the strong soil, bunk density, moister;- methods of the information collection from the agrarian machinery;- methods of modeling the specific zones of the fields and the harvest;- obtaining and analysis of the satellite captures – images of the vegetative period and yields data;- obtaining the scientific results of the research of the agrarian equipment work quality;- methods of the remote fields sensing;- SWs for the management of agrarian companies. |
| Name and type of organisation providing education and training | Czech University of Life Sciences Prague |
| Level in national or international classification | Erasmus+ |
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| Dates | 02.2019 – 05.2019  |
| Principal subjects/occupational skills covered | Precision farming. Applied research and experimental development in the application of Agriculture 4.0. |
| Name and type of organisation providing education and training | Czech University of Life Sciences Prague |
| Level in national or international classification | Erasmus+ |
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| Dates | 09.2018 – 09.2018  |
| Principal subjects/occupational skills covered | Understanding the main points of functioning administration, responcibilities of departments, their role and influence to the efficiency on work university |
| Name and type of organisation providing education and training | Czech University of Life Sciences Prague |
| Level in national or international classification | Erasmus+ |
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| Dates | 11.2005 – 11.2008  |
| Title of qualification awarded | Candidate of Technical Sciences  |
| Principal subjects/occupational skills covered | More efficient use of complex machines  |
| Name and type of organisation providing education and training | National University of Life and Environmental Sciences of Ukraine  |
| Level in national or international classification | PhD in Technical Sciences  |
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| Dates | 09.2000-06.2005 |
| Title of qualification awarded | Master of Mechanical Engineering |
| Principal subjects/occupational skills covered | Agricultural mechanization |
| Name and type of organisation providing education and training | Sumy Agricultural Institute (meanwhile Sumy National Agrarian University), Ukraine |
| Level in national or international classification | Dipl. Ing. (University) |
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| Personal skills and competences | Reliability, loyalty, sociability, energy, purposefulness |
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| Mother tongue(s) | Ukrainian |
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| Other language(s) | English, Russian |
| Self-assessment |  | Understanding | Speaking | Writing |
| European level (\*) |  | Listening | Reading | Spoken interaction | Spoken production |  |
| English |  | B2 | Basic User | B2 | Basic User | B2 | Basic User | B2 | Basic User | B2 | Basic User |
| Russian |  | C2  |  Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C2 | Proficient user |
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| Social skills and competences |  I can and I am used to work in the team. I’m energetic and enthusiastic about the work I start. |
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| Organisational skills and competences | I was responsible for the organization of various workshops, conferences on the engineering-technological faculty. At the moment I have established a scientific research school. |
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| Computer skills and competences | Competent with the most Microsoft Office programmes |
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| Driving licence | Category A, B, C (car)Category A1, A2 (tractor) |
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| Additional information: |  |
| Scientific Research Topic and Publications | **Main field of scientific interests are:*** quality of soil cultivation using the agricultural machines;
* research of the most preferable conditions for growing plants to increase the yields;
* research of the work parameters and operatins regimes of the agricultural machines in regard to the plants needs;
* machines analisys to provide all the issues mentioned above;
* analisys of technical and economic parameters of the machines functioning used for growing a plant;
* the most efficient use of complex machines and rational complex machines for growing and harvesting of crops.
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| Annexes | **The most recent publications are:**1. Zubko, V.M. Investigation of factors influencing the uniformity of tillage during disking. Environmental Engineering. Kharkiv. 2016. Issue. 1 (5). P. 122-130.
2. Barabash, G.I., **Zubko, V.M.**, Barabash, O.G. Influence of buckwheat sowing terms and choice of machine complex for its harvesting. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2016. Issue. 3 (28). P. 88-93.
3. Zubko, V.M. Evaluation of the quality of disking. The Ukrainian Farmer. Kyiv. 2016. Issue. 5 (77). P. 114-116.
4. Zubko, V.M. Machines for sowing scattering. The Ukrainian Farmer. Kyiv. 2016. Issue. 9 (81). P. 118-120.
5. **Zubko, V.M.**, Sirenko, V.F., Kuzina, T.V. Analysis of the design of openers of sowing machines. Environmental Engineering. Kharkiv. 2016. Issue. 1 (5). P. 98-102.

Stalemate. 113823 of Ukraine. IPC A01C 7/20[Grain sowing device](http://base.uipv.org/searchINV/search.php?action=viewdetails&IdClaim=232288)/ Zubko, V.M., Sirenko, V.F., Plavinsky, V.I., Kuzina, T.V. - u201609567; application. 16/09/2016; publ. 10.02.2017, bul. № 3/20171. Stalemate. 113837 Of Ukraine. IPC A01C 7/00[Method of placing winter wheat seeds in soil at sowing](http://base.uipv.org/searchINV/search.php?action=viewdetails&IdClaim=232302)/ **Zubko, V.M.**, Sirenko, V.F., Plavinsky, V.I., Kuzina, T.V. - u201609785; application. 11/10/2016; publ. 25.04.2017, bul. № 8/2017. Zubko, V.M. Optimal sowing speed. The Ukrainian Farmer. Kyiv. 2017. Issue. 2 (86). P. 140-142.
2. Zubko, V.M. Research of quality of sowing performance. Bulletin of Kharkiv National Technical University of Agriculture. P. Vasilenko. Kharkiv. 2017. Issue. 180. P. 263-273.
3. Sirenko, V.F., **Zubko, V.M.**, Kuzina, T.V. Mathematical model of shock interaction of grain and steel plate. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2017. Issue. 10 (32). - P. 75-79.
4. Sirenko, V.F., **Zubko, V.M.**, Kuzina, T.V. Development of a geometric model of wheat grain to describe the impact interaction with the working parts of machines. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2018. Issue. 6 (33). P. 59-60.
5. Stalemate. 124168 of Ukraine. IPC A01C 7/20 [Grain sowing device](http://base.uipv.org/searchINV/search.php?action=viewdetails&IdClaim=232288)/ **Zubko, V.M.,** Sirenko, V.F., Plavinsky, V.I., Kuzina, T.V. - u201609567; application. 16/09/2016; publ. 10.02.2017, bul. № 3/2017
6. Kuzina, T., Sirenko, V., **Zubko, V.**, Chuba, V. Increasing yields of winter wheat by means of sowing orientation of grain. 17th International Scientific Conference Engineering For Rural Development Proceedings. Jelgava, Latvia.May 23-25, 2018. Vol. 17. P. 688-696. (**Scopus**).
7. **Zubko, V.M.**, Sokolik, S.P. Qualitative indicators of work of the harrow cultivator "Dukat-2,5". All-Ukrainian agrarian magazine Agroelita. Ternopil. 2018. Issue. 4 (63). P. 62-64.
8. Onychko, V., **Zubko, V.** Ways to increase the accumulation of moisture during tillage. Agro Elite. Ternopil. 2018. Issue. 1 (60). P. 59-60.
9. **Zubko, V.M.**, Saenko, A.V. Improving the methodology for determining the technical and economic indicators of units. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2018. Issue. 6 (33). P. 59-60.
10. **Zubko, V.М.**, Melnyk, V.I., Protsenko, А.M., Commissar, Ye.O. Technical and technological efficiency of a hitch seeder for sowing corn. Electronic scientific professional publication "Scientific reports of NULES of Ukraine". Kyiv. 2018. Vol. 10, № 5-6. DOI: [10.31548/bio2018.05.029](http://dx.doi.org/10.31548/bio2018.05.029)
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|  | 1. **Zubko, V.**, [Rubi](https://www.researchgate.net/profile/Hynek_Roubik)k, H., Zamora, O., Khvorost, T. Analysis and Forecast of Performance Characteristics of Combine Harvesters. Bulletin of the Estonian Agricultural University. 2018. Vol. 16 (5), P. 2282-2302, 2018 DOI: 10.15159/AR.18.212 (**Scopus**).
2. Stalemate. 129772 of Ukraine on a utility model [Impact grain shredder](http://base.uipv.org/searchINV/search.php?action=viewdetails&IdClaim=252708)/ Serdyuk, V.V. (UA); Plavinsky, V.I. (UA); **Zubko, V.M.** (UA); Balo, P.M. (UA) - u201805385; application. 15/05/2018; publ. 11/12/2018, bldg. № 21/2018
3. Zubko, V.M. Devices, equipment and systems for assessing the quality of grain harvesting. Bulletin of Kharkiv National Technical University of Agriculture. P. Vasilenko. Kharkiv. 2019. Issue. 199. P. 109-122
4. **Zubko, V.M.**, Sokolik, S.P., Shevchenko R.M. Improving the accuracy of measuring the fuel level sensor with a fuel level indicator. Environmental Engineering. Kharkiv. 2019. Vol. №1 (7). P. 6-11.
5. **Zubko, V.**, Khvorost, T., Zamora, O., Onychko, V. (2020): Methods of Maintaining Soil Depth Evenness during Disk Tillage. Scientia Agriculturae Bohemica, 51, 22-30. DOI: 10.2478 / Sat-2020-0004. **(Scopus)**.
6. Zubko, V.M. Theoretical bases of substantiation of indicators of quality of performance of mechanized technological processes in crop production. Bulletin of Bioresources and Nature Management. Kyiv. 2020. Vol. 12, № 1-2.
7. Serdyuk, V.V., Rudenko, V.A., **Zubko, V.M.** Energy consumption during the operation of the shock-separation shredder. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2019. Issue 2 (36) P. 29-32.
8. **Zubko, V.M.**, Onychko, V.I., Sokolik S.P. How to prepare the drill for going out into the field? Traktorist.ua. 2020. Mode of access to the resource: <https://traktorist.ua/articles/Yak-pdgotuvati-svalku-do-vihodu-v-pole>.
9. Zubko, V.M. Substantiation of placement of crops in the structure of fields and production volumes for mechanized technological operations Machinery & Energetics. Journal of Rural Production Research. Kyiv. Ukraine. 2020. Vol. 11. No. 2. P.107-113.
10. Pastukhov, V.I., **Zubko, V.M.** Determining the quality of technological operation in accordance with the needs of plants. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2019. Issue 3 (37). P. 19-24.
11. Pastukhov, V.I., **Zubko, V.M.** Research of changes in soil and plant properties in different periods of the production process. Bulletin of Agrarian Science of the Black Sea Coast. Bulletin of Agrarian Science of the Black Sea Coast. Mykolaiv. 2020. Issue. 1 (105). Р. 94-101.
12. Zubko, V.M. Substantiation and choice of agricultural machinery for selected working bodies. Environmental Engineering, №1 (15), 2020. with. 36 - 43.
13. Zubko, V.M., Commissar, Ye.O. Influence of driving systems of machine units on soil compaction. Technical service of agro-industrial, forest and transport complexes, №21, 2020. with. 63 - 69.
14. **Zubko, V.M.,** Commissar, Ye.O., Shelest, M.S., Khvorost, T.V., Danilov, S.M. Mobile agrometeorological station for sprayers. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2020. Issue 2 (40). P. 3-7.
15. **Zubko, V.**, Sokolik, S., Khvorost, T., Melnyk, V.. Factors affecting quality of tillage with disc harrow. Proceedings of 20th International Scientific Conference Engineering For Rural Development Proceedings. Jelgava, Latvia.May 26-28, 2020. Vol. 20. P. 1193-1199. DOI: 10.22616 / ERDev.2021.20.TF262.
16. **Zubko, V.M.**, Zhigiliy, D.О., Sokolik, S.P., Rudenko, V.A. Modeling of rolling of a rigid cylinder on the soil surface. Bulletin of the SNAU. Series "Mechanization and automation of production processes". Sumy. 2021. Issue 2 (44). P. 8-12
17. Zubko V.M. Investigation of the influence of seed furrow purity on yield during corn cultivation on grain. Bulletin of Sumy National Agrarian University. Series "Mechanization and automation of production processes", issue 4 (46), 2021.- p. 11-17.
18. Zubko V.M. Experimental studies of the effectiveness of the use of unmanned aerial vehicles in the cultivation of crops. Machinery & Energetics. Journal of Rural Production Research. Kyiv. Ukraine. 2021, Vol. 12, No. 2, p. 117-128.
19. Rudenko A.A., Zubko V.M., Khvorost V.F., Lysenko A.A. Experimental and Numerical Study of Pressure Intensity in Detachable Joints of D Series Pumps. Mechanics and Advanced Technologies. 2021. Vol. 5. No. 2. R. 153-164.
20. Zubko, V.M. Rationale and choice of energy resources for aggregation of agricultural machinery. Bulletin of the National Technical University "KhPI". Series: Automobile and tractor construction. Nat. tech. Kharkiv University Polytechnic Inst. Kharkiv: NTU "KhPI". 2021. Vol. № 2. P. 46-53.
21. Hryhoriv, Y., Butenko, A., Nechyporenko, V., Lyshenko, M., Ustik, T., **Zubko, V.**, Makarenko, N., Mushtai, V. Economic efficiency of Camelina sativa growing with nutrition optimization under conditions of precarpathians of Ukraine. Agraarteadus: Journal of Agricultural Science. 2021. Vol. 2 (32). P. 232–238. DOI: 10.15159 / jas.21.33. (**Scopus**).
22. Popov, S., Frolova, L., Rebrov, O., Naumenko, Y., Postupna, O., **Zubko, V.**, Shvets P. Increasing the mechanical properties of structural cast iron for machine-building parts by combined Mn – Al alloying. EUREKA: Physics and Engineering. 2022. Vol. 1. P. 118-130. DOI: 10.21303 / 2461-4262.2022.002243. (**Scopus**).
23. [**Zubko**](https://sciendo.com/it/article/10.2478/agriceng-2022-0003)**, V.**, [Sirenko](https://sciendo.com/it/article/10.2478/agriceng-2022-0003), V., Kuzina, T., [Onychko](https://sciendo.com/it/article/10.2478/agriceng-2022-0003), V., [Sokolik](https://sciendo.com/it/article/10.2478/agriceng-2022-0003), S., [Roubik](https://sciendo.com/it/article/10.2478/agriceng-2022-0003), H., [Koszel](https://sciendo.com/it/article/10.2478/agriceng-2022-0003), M., Shchur, T. Modeling Wheat Grain Flow During Sowing Based on the Model of Grain with Shifted Center of Gravity. Agricultural Engineering. 2022, Vol. 26, No.1, P. 25-37. DOI: 10.2478/agriceng-2022-0003. (**Scopus**).
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