



MYKOLA KORCHAK

Passport: / | **Work permit:** Ukraine | **Date of birth:** 18/04/1983 | **Place of birth:**

Kamianets-Podilskyi, Ukraine | **Nationality:** Ukrainian | **Gender:** Male | **Phone:** (+380) 0

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Kamianets-Podilskyi, Khmelnytskyi region, 32316, Kamianets-Podilskyi, Ukraine (Work)

● WORK EXPERIENCE

01/09/2010 - CURRENT - KAMIANETS-PODILSKYI, UKRAINE

PHD, ASSOCIATE PROFESSOR HIGHER EDUCATIONAL INSTITUTION «PODILLIA STATE UNIVERSITY»

- Scientific and pedagogical worker, teacher
- Deputy Head of the Department for Scientific Work
- Secretary of the department

● EDUCATION & TRAINING

01/09/2000 - 20/12/2013 - KAMIANETS-PODILSKYI, UKRAINE

CANDIDATE OF TECHNICAL SCIENCES SINCE 2011. THE DISSERTATION WAS DEFENDED ON FEBRUARY 25, 2011 AT THE SPECIALIZED ACADEMIC COUNCIL OF VINNYTSIA NATIONAL AGRARIAN UNIVERSITY IN THE SPECIALTY 05.05.11 – “MACHINES AND MEANS OF MECHANIZATION OF AGRICULTURAL PRODUCTION” (DIPLOMA DK NO. 067793 WAS RECEIVED). ON JULY 28, 2011, HE SIMULTANEOUSLY RECEIVED A DOCTOR OF PHILOSOPHY DIPLOMA OF INTERNATIONAL STANDARD (SUPREME CERTIFYING COMMISSION OF UKRAINE, SUPPLEMENT TO DIPLOMA DK NO. 067793).- HIGHER EDUCATIONAL INSTITUTION «PODILLIA STATE UNIVERSITY»

Field(s) of study: Mechanization, technical engineering, energy-saving technologies, energy, economics | **Address:** 12, Shevchenko Str., Kamianets-Podilskyi, Khmelnytskyi region 32316 | **Website:** <https://pdatu.edu.ua/>

● SKILLS

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Google Drive | Zoom | Skype | Microsoft Office | patents | Facebook | Instagram | Gmail | international development | sustainable technologies | lead technology development of an organisation | Scientific database search (Scopus, Pubmed, IEEE Xplore, Web of Science, etc.)

● LANGUAGE SKILLS

Mother tongue(s): **UKRAINIAN**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

● PUBLICATIONS

Problems of field contamination when growing energy corn as monoculture

M. Korchak, S. Yermakov, V. Pukas and I. Zavadskaya. Problems of field contamination when growing energy corn as monoculture. E3S Web of Conferences. Krynica, Poland. 6th International Conference – Renewable Energy Sources. Volume 154 (2020). (Scopus).

Features of weediness of the field by root residues of corn

M. Korchak, S. Yermakov, T. Hutsol, L. Burko, and Weronika Tulej. Features of weediness of the field by root residues of corn // Environment. Technology. Resources. Rezekne, Latvia (2021), Vol. 1, P. 122 – 126. (Scopus).

Development of rational technology for sodium glyceroxide obtaining

Korchak, M., Bliznjuk, O., Nekrasov, S., Gavrish, T., Petrova, and Saveliev, D. Development of rational technology for sodium glyceroxide obtaining. Eastern-European Journal of Enterprise Technologies, Volume 5, № 6 (119), P. 15 – 21 (2022). (Scopus).

Development of transesterification model for safe technology of chemical modification

Korchak, M., Bragin, O., and Petukhova, O. Development of transesterification model for safe technology of chemical modification of oxidized fats. Eastern-European Journal of Enterprise Technologies, Vol. 6, № 6 (120), P. 8 – 13 (2022). (Scopus).

Rationale for the combined cultivator design for cultivating soil littered with plant remains

Yermakov S., Korchak M., Duhanets V., and Vusatyi M. Rationale for the combined cultivator design for cultivating soil littered with plant remains of rough-stemmed crops. Environment. Technology. Resources. 2024, Veliko Tarnovo, Bulgaria (Scopus).

Determination of rational parameters of chemical transesterification technology of sunflower oil

M. Korchak, A. Shostia, S. Usenko, L. Floka. Determination of rational parameters of chemical transesterification technology of sunflower oil. Eastern-European Journal of Enterprise Technologies, Vol. 5, № 6(131), pp. 26 – 33 (2024). (Scopus).

Research on Improving Seals to Suppress Vibration of Rotary Machines

C. Lu, S. Shevchenko, V. Geichuk, M. Korchak, and A. Topalov. Research on Improving Seals to Suppress Vibration of Rotary Machines”, C. R. Acad. Bulg. Sci., Vol. 77, no. 6, pp. 881–891, Jun. 2024. (Scopus / Web of Science).

A Study of Mechanical Seal Rings Thermal and Force Deformations in Energy Rotor Machines

W. Hui, S. Shevchenko, M. Korchak, A. Lesko, and O. Gerasin. (2025). A Study of Mechanical Seal Rings Thermal and Force Deformations in Energy Rotor Machines. C. R. Acad. Bulg. Sci., vol. 78, no. 1, pp. 109–118, Jan. 2025. (Scopus / Web of Science).