

CURRICULUM VITAE

1. **Family name:** Kosharna
2. **First names:** Sofiia
3. **Nationality:** Ukrainian



4. Education:

DATE (FROM – TO)	INSTITUTION	DEGREE(S) OR DIPLOMA(S) OBTAINED:
2009-2013	Taras Shevchenko National University of Kyiv (TSNU), Institute of Geology	Bachelor of Science in Geology
2013-2015	Taras Shevchenko National University of Kyiv (TSNU), Institute of Geology	Master of Petroleum Geology
2015-2018	Taras Shevchenko National University of Kyiv (TSNU), Institute of Geology	PhD Economic Geology

5. Advanced training courses:

TIME PERIOD	TITLE COURSES
September – December 2014	Oratory and public appearances
May-June 2016	PR Management courses
September 2018	Introduction to Association Agreement. Deep and Comprehensive Free Trade Area
October 2018	Evidence-Based Public Policy Making
October 2018	Social Cohesion in Governance: European practices. The Association Agreement as a driver for cohesion in Ukrainian society
October 2018	Public administration & EU integration
June 2020	German Chambers of Commerce Abroad (CCA) Course Strategic Environmental Management
February – March 2023	Training program "The role of educational programs' guarantors in the development of the internal system of quality assurance of higher education"

6. Training and internship (Specific experience in the region):

COUNTRY	DATE FROM - TO	COUNTRY DESCRIPTION
Slovak Republic	January 2017 – June 2017	Technical University of Košice. Faculty of Mining, Ecology, Process Control and Geotechnologies Main goal: Collecting data and conducting research for writing a dissertation
United States of America	January – December 2022	Montana Tech of The University of Montana - Graduate School Main goal: Collecting data and creation of Guidelines for practical work on the subject "Hydrogeological and engineering-geological aspects of environmental risk assessment"; obtaining practical skills in working with modern equipment (eg. IC, ICP-OES etc.) for conducting diverse water analyzes in an analytical laboratory Participation in the expedition to Yellowstone, with the purpose of monitoring, geochemical and biological interactions in hot spring ecosystems

7. Key qualifications (Relevant to the project):

- PhD Economic Geology
- Senior Researcher
- Junior laboratory assistant

8. Language skills

NAME	DESCRIPTION
Native language	Ukrainian
Foreign language 1	russian, level C 2
Foreign language 2	English, level B2-C1, - Qualification exam certificate (issued by Taras Shevchenko Kyiv National University, Institute of Philology) - TOEFL standardized test certificate
Foreign language 3	Italian, level B2
Foreign language 4	Slovak, level A2, - Certificate of completion of the "Slovak for work and study in foreign universities" language course (issued by the University of Pavlo Josef Šafarik in Košice. Faculty of Philology)

9. Professional positions held

DATE FROM –TO	LOCATION	COMPANY / REFERENCE PERSON	POSITION	DESCRIPTION
1. September 2013 – May 2016	Kyiv	Private education center Studio Legion	administrator	<ul style="list-style-type: none"> • Technical and meaningful support of the Studio's work • Participation in the organization of reporting concerts • Preparation of materials about the Studio's activities for placing on the website • Placement of press releases on the relay receivers • Providing information about the Studio to clients.
2. May 2018 - February 2019	Kyiv	EU funded Project Association4U	Junior Sectoral Policy Fellow in the Ministry of Ecology and Natural Resources	<ul style="list-style-type: none"> • Provide support to the Expert Group on the development of new Subsurface Code of Ukraine; • Drafting supporting materials to the formation of new Subsurface Code of Ukraine; • Analysis an experience of EU member states in formation and implementation of Subsurface Code; • Provide organizational support, contribute to preparation of the supporting materials to the processes mentioned above; • Taking part in working group meetings, discussions, inter-institutional consultations, as well as in consultations with other stakeholders; • Provide written translation of documents.
3. May 2020 – August 2020	Kyiv	Ukrainian State Geological Research Institute (USGRI)	Senior Research Fellow	<ul style="list-style-type: none"> • Gathering and data processing aimed to assess the spatial changes in groundwater quality within the distribution of aquifers of operational value
4. September 2019 – present time	Kyiv	Taras Shevchenko National University of Kyiv (TSNU), Institute of Geology	Professor Assistant	<ul style="list-style-type: none"> • Teaching professional disciplines • Preparation of methodical developments, recommendations, manuals on the department's profile. • Participation in research work.

10. Courses taught and other services provided to students and the home institution

COURSES	TYPE OF WORKS	YEAR OF STUDY
Hydrogeology	laboratory works	2-nd year of Bachelor's degree
Engineering geology	laboratory works	
Hydrogeology of mineral deposits	lectures, laboratory works	3-rd year of Bachelor's degree
Normative base of hydrogeological, engineering and geological researches	lectures, seminars	
Hydrogeological modeling	laboratory works	4-th year of Bachelor's degree
Regional hydrogeology	practical works	
Hydrogeological, engineering and geological aspects of environmental risk assessment	lectures, practical works	1-st year of Master's degree

COURSES	TYPE OF WORKS	YEAR OF STUDY
Petroleum Hydrogeology	lectures, practical works	2-nd year of Master's degree
Mineral waters	practical works	
Consequences of the impact of hydrocarbon development on the hydrosphere	practical works	
Feasibility study of the groundwater deposits' development expediency	lectures, practical works	
Ecological hydrogeology	practical works	
Medical hydrogeology	practical works	

11. Publications

- Kosharna S., Timmer J., Kozakova L. (2023) Ecological assessment of Uncle Sam Gulch Creek water quality under conditions of acid mine drainage. *Acta Montanistica Slovaca*, vol. 28(1) 179-190 DOI: 10.46544/AMS.v28i1.14
- Kosharna S. (2022) Risks Caused by Abandoned Mining Facilities in the Context of Environmental Surface Water Assessment by the Example of the Basin Mining Area. *Conference Paper. 16th International Scientific Conference Monitoring of Geological Processes and Ecological Condition of the Environment*, Nov 2022, Volume 2022, p.1 – 5 DOI: <https://doi.org/10.3997/2214-4609.2022580121>
- Kosharna S, Koshliakova T, Koshliakov O & Gammons C (2022) Ecological and Geochemical Conditions of Surface and Near-Surface Waters of Kyiv, Ukraine. *Conference Paper International Scientific Conference Goldschmidt 2022*. <https://doi.org/10.46427/gold2022.10213>
- S. Kosharna, Y.Malkova, L. Kozakova, Z. Francova, M. Nadova Krosiakova, Z. Sedlakova (2021) Prospects for Extraction of Useful Elements Out of the Brines of the Pre-Carpathian Downfold. *Acta Montanistica Slovaca*, vol. 26(4) 834-842 DOI: 10.46544/AMS.v26i4.19
- M. Kurylo, I. Virshylo, S. Kosharna (2021) Accessibility of indices of critical mineral raw materials for green energy. *Mineral resources of Ukraine*, 4, 16–20. <https://doi.org/10.31996/mru.2021.4.16-20>
- S. Kosharna, Y. Malkova Methods and perspectives of combined ecological and economic regulation by an example of the Kalush-Golinsky potassium salt deposit. *Conference Proceedings, 15th International Conference Monitoring of Geological Processes and Ecological Condition of the Environment*, Nov 2021, <https://doi.org/10.3997/2214-4609.20215K2031>
- Sustainable development planning of the Kryvyi Rih iron ore basin at the post-mining stage. *Conf. Innovative priorities of scientific knowledge development*, Kyiv, 27-28 March. 2020. Vol. 1, 42-44
- Kosharna, S., Malkova Y. (2020) Perspectives of extraction of useful components (I, Br, K, Na, Li, B, St) from the Pre-Carpathian trough's brines. *Visnyk of V.N. Karazin Kharkiv National University*, series "Geology. Geography. Ecology"
- Malkova Y., Kosharna, S. (2020) Brine processing as one of the ways to overcome the Pre-Carpathian trough's ecological problems. *Annali d'Italia*, 10
- Yakovliev E. Balega A. Ivanchenko V. et.al. (2019) Monitoring of the Ukraine's mineral resource base and ecological state of the territories of its mining regions in the context of ensuring their sustainable development, Nika-Center, Kyiv
- Chumachenko S., Kurylo M., Stetsenko V. et.al. (2019) Strategic directions of restructuring of Donetsk coal and Kryvyi Rih iron ore basins in the conditions of energy sphere transformations, Nika-Center, Kyiv
- Plotnikov A., Kurylo M., Kosharna S. (2019) Estimation of the exploration and mining stage for iron ore deposits of Kryvbas region with the aim of premature forecasting of post-liquidation development of territories. *Mineral resources of Ukraine*, 1, 26-30
- Kosharna, S., Šándorová, K., Semanová, Z. (2018) Economical and legal aspects in maintaining the assimilation capability of the environment in iron-ore mining and metallurgical areas on the example of enterprises in Kryvyi Rih and Kosice regions. *Hutník-WH*, 85, 49-54
- Kosharna, S., Stetsenko, A., Glon, V. (2018) Three-dimensional distribution of heavy metals in the areas of tailing pits of the Kryvyi Rih mining and processing objects. *Acta Montanistica Slovaca*, vol. 23, 119-131.
- Kosharna, S., Korzhnev M., (2018) Heavy metals on technogenic objects of mining and processing enterprises of the Krivyi Rih basin. *Visnyk Taras Shevchenko National University of Kyiv. Geology*, 81, 92-97

- Kosharna, S. (2018) Environmental expenditures of iron-processing enterprises of Kryvyi Rih. Visnyk Taras Shevchenko National University of Kyiv. Geology, 80, 80-86
- O.M. Trofymchuk, M.M. Korzhnev, Ye.O. Yakovlev, M.M. Kurylo, S.K. Kosharna (2018) Conceptual approaches to organization of monitoring of geological environment and mineral resources of Ukraine in modern terms. Ecological safety and environmental management. 28, 7-26.

etc.

12. Personal characteristics: Well-organized, friendly, outgoing, open-minded, creative, punctual, having in-depth analytical and strategic ability to facilitate operational and procedural planning, able to work individually or in team, adaptable to new situations, good listener, attention to details.

I, Sofiia Kosharna, declare that I have not been convicted of any criminal offence and that I have no pending criminal proceedings.

I declare that I have written true information and that I am aware of the criminal penalties I could incur for false declarations.



Sofiia Kosharna