europass



Iryna Tsiupa

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Gender: Female **Date of birth:** 22/07/1978 **Place of birth:** Pryluky, Ukraine **Nationality:** Ukrainian

ABOUT ME

ORCID ID: 0000-0002-8350-6685
Web of Science ResearcherID: C-9433-2017

WORK EXPERIENCE

ESI "Institute of Geology" of Taras Shevchenko National University of Kyiv

City: Kyiv | **Country:** Ukraine

[2025 – Current] **Lecturer of the Department of Geoinformatics**

ESI "Institute of Geology" of Taras Shevchenko National University of Kyiv

City: Kyiv | **Country:** Ukraine

[2020 – 2025] **Assistant lecturer of the Department of Geoinformatics**

Institute of Geology, Taras Shevchenko National University of Kyiv

City: Kyiv | **Country:** Ukraine

[2006 – 2020] **Research engineer**

EDUCATION AND TRAINING

[2020] **PhD**

Institute of Geology, Taras Shevchenko National University of Kyiv

City: Kyiv | **Country:** Ukraine | **Field(s) of study:** Geology

[2001 – 2005] **PhD Student**

Faculty of Geology, Taras Shevchenko National University of Kyiv

City: Kyiv | **Country:** Ukraine | **Field(s) of study:** Engineering Geology

[1995 – 2000] **Master**

Faculty of Geology, Taras Shevchenko National University of Kyiv

City: Kyiv | **Country:** Ukraine | **Field(s) of study:** Hydrogeology

SKILLS

ArcGIS Pro | QGIS | good knowledge | Microsoft Office: Word, Excel, Powerpoint, Outlook, OneNote | Adobe Photoshop | Surfer Software [Intermediates]

HOBBIES AND INTERESTS

Engineering and environmental geophysics, databases, geoinformation technologies, monitoring of hazardous geological processes, remote sensing

PROJECTS

[2026 – Current] **Comparative Assessment of the Operational Performance of Optically Pumped and Fluxgate Magnetometers Mounted on Unmanned Vehicles**

[2021 – 2025] **Scientific direction Mathematical sciences and natural sciences" Taras Shevchenko National University of Kyiv**

[2018 – 2020] **Modern technologies for monitoring natural and natural-man-made processes to assess the impact on critical infrastructure, No 0118U000247**

[2016 – 2017] **Monitoring and predictive assessment of the state of natural systems and natural-technological complexes based on modeling of geological processes, No 0108U010311**

[2011 – 2015] **Development of the theory and methodology for building dynamic geological and geophysical models of geological objects and processes, No 0111U006457**

[2006 – 2010] **Development of the theory and methodology of complex interpretation of geophysical, hydrogeological and engineering geological data of geological environment monitoring, No 0106U005855**

[2005 – 2007] **Development of a monitoring system and methodological foundations for a comprehensive assessment of the geological environment to create models of the functioning of natural and technological systems», No 0105U001528**

PUBLICATIONS

Based on the results of scientific research, she has published more than 60 scientific papers, including 25 articles, textbook, and methodological guidelines

- Bondar K.M., Kyrychenko A., Tashyrev O., Poliachenko I., Bakhmutov V., Sachko A., Tsiupa I., Karavan V., Kruglov O., Bida I. (2026) Fate of post-blast residue in soils from an armed conflict zone determined by magnetic, microbiological, and ecotoxicological assessments. Environ Geochem Health (2026) 48:595 https://doi.org/10.1007/s10653-026-03497-x
- Bondar K.M., Tsiupa I.V., Menshov O. (2025) War-time changes in air pollution across Ukrainian cities were assessed through magnetic susceptibility and heavy metal contents in particulate matter collected on air filters, Environmental Pollution, 385, 127076. https://doi.org/10.1016/j.envpol.2025.127076.
- Bondar K., Tsiupa I., Virshylo M. (2025) Monitoring Air Pollution in Wartime Kyiv (Ukraine): PM2.5 Spikes During Russian Missile and Drone Attacks. Urban Science, 9, 477. https://doi.org/10.3390/urbansci9110477
- Bondar K.M., Tsiupa·I.V., Sachko A.V., Nasiedkin I.I. (2024) Pre war situation with soil pollution in the city of Zaporizhzhia: metallurgical industry center in Ukraine—characterized by magnetic, geochemical and microscopy methods. Acta Geophysica, Vol. 72 (3-4), p. 1355–1375. DOI:10.1007/s11600-024-01297-4
- Tsiupa I., Plichko L. (2023). Study of dynamics of changes in the Kakhovka reservoir based on remote sensing data. XVII Monitoring of Geological Processes and Ecological Condition of the Environment: International Scientific Conference, Vol. 2023, Mon-23-170
- Vyzhva S., Zatserkovnyi V., Zobniv I., De Donatis M., Tsiupa I. (2023). Application of geo-information technologies in determining the depth of earthquake in the Monte Nerone District (Marche district, Nothern Apennines in 1781), Visnyk of Taras Shevchenko National University of Kyiv: Geology, 1(100)/2023, p. 134-. 142. http://doi.org/10.17721/1728-2713.100.15

- Tsiupa I., Bondar K., Kozionova O. (2021) Urban soil pollution in Kyiv determined from magnetic and geochemical studies // Monitoring of Geological Processes and Ecological Condition of the Environment: International Scientific Conference. Mon-21-100.
- Bondar K.M., Sachko A., Tsiupa I. (2020). Assessment of anthropogenic pollution of soils in Chernivtsi (Ukraine) by magnetic susceptibility and heavy metal content, Visnyk Taras Shevchenko National University of Kyiv. Geology 89(2). http://doi.org/10.17721/1728-2713.89.10
- Nasedkin Ye.I., Bondar K.M., Tsyupa I.V., Dovbysh S.M., Ivanova G.M. (2019) Results of comprehensive ecological studies of sediment substance by geochemical and magnetic methods. Geological Journal, 3 (368), 15-23. https://doi.org/10.30836/igs.1025-6814.2019.3.177967