

Vsevolod Demydov (Demidov)

Date of birth: 10/02/1979 | Phone: (+380) 965916516 (Mobile) | Email address: demidov@knu.ua | Website: http://www.geol.univ.kiev.ua/ua/lecturers/index.php?dept=geoinf&name=demidov_v_k | Teams: fondads | Address: Vasylkivska Street, 90, 03022, Kyiv, Ukraine (Work)

Work experience

Associate Professor | Department of geoinformatics,ESI Institute of Geology,Taras Shevchenko National University of Kyiv | 01/01/2016 - Current | Kyiv, Ukraine

Deputy Director for Educational Work | ESI Institute of Geology, Taras Shevchenko National University of Kyiv | 01/01/2017 - Current | Kyiv, Ukraine

Deputy Dean for Educational Work | ESI Institute of Geology, Taras Shevchenko National University of Kyiv | 01/01/2012 - 01/01/2015 | Kyiv, Ukraine

Assistant Professor | Department of geoinformatics,ESI Institute of Geology,Taras Shevchenko National University of Kyiv | 01/01/2009 - 01/01/2016 | Kyiv, Ukraine

Assistant Professor | Department of geophysics, ESI Institute of Geology, Taras Shevchenko National University of Kyiv | 01/01/2008 - 01/01/2009 | Kyiv, Ukraine

Education & Training

Ph.D. in Physics and Mathematics | ESI Institute of Geology, Taras Shevchenko National University of Kyiv | 01/01/2005 - 01/01/2008 | Kyiv, Ukraine

Level in EQF 8

Master degrees of geophysics | faculty of Geology of Taras Shevchenko National University of Kyiv | 30/11/1998 - 30/11/2004 | Kyiv, Ukraine

Level in EQF 7

Junior specialist of geophysics | Geological Exploring College of Taras Shevchenko National University of Kyiv | 30/11/1995 - 30/11/1998 | Kyiv, Ukraine

Level in EQF 5

Certificate of Teaching and Scientific Exchange. Topic: "Application of Machine Learning to Classification Problems in Geophysics" | University of Lorraine, France | 29/03/2025 - 02/04/2025 | Lorraine, France

Certificate of Erasmus + Jean Monnet Module. Topic: Project management for EU urban transformation in the context of climate change and energy transition | Erasmus + | 02/06/2025 - 05/06/2025 | Bratislava, Slovenia

TECH SUMMER FOR EDUCATORS: BIG DATA EDITION | SOFTSERVE ACADEMY | 08/07/2025 - 28/08/2025 | Kyiv, Ukraine

certified "Effective training methods in the area of biology, ecology, geology, chemistry and physics" | University of Life Sciences in Lublin | Lublin, Poland

IBM: certified “Data Science Bootcamp” | CognitiveClass.ai | Kyiv, Ukraine

Certificate of English Language - B2 | GreenForest Language School | 01/01/2014 - 01/01/2016 | Kyiv, Ukraine

certified «CS169.1x: Engineering Software as a Service» | University of California, Berkeley | United States

certified «Natural Disasters» | McGill | United States

Language Skills

Mother tongue(s): **Ukrainian** | **Russian**

	Understanding		Speaking		Writing
	Listening	Reading	Spoken production	Spoken interaction	
English	B2	B2	B2	B2	B2

Projects

Geothermal Ukraine - an Empowering Change for Good. Innovate Ukraine | 01/04/2024 - Current

Monitoring and forecast of natural systems, natural and technogenic systems based on modeling of geological processes

Petrophysical studies of complex reservoir rocks of the Dnieper-Donets basin and Volyn-Podolsky region in order to determine the structure of the pore space and capacitive filtration characteristics

Development of the theory and methodology of dynamic geological and geophysical models of geological objects and processes

19th Ukrainian Antarctic expedition

Participated in the seasonal 19th Ukrainian Antarctic expedition to the Academician Vernadsky

Station from March 27 to April 20, 2014, where I conducted works for additional information on the

field of atmospheric electricity from the Earth

Honours and Awards

Honorary Certificate of the State Service of Geology and Subsoil of Ukraine | State Service of Geology and Subsoil of Ukraine | 01/04/2024

Thanks of the Rector of Taras Shevchenko National University of Kyiv | Taras Shevchenko National University of Kyiv | 15/10/2023

Diploma of the Rector of Taras Shevchenko National University of Kyiv | Taras Shevchenko National University of Kyiv | 02/11/2023

Thanks of the Rector of Taras Shevchenko National University of Kyiv | Taras Shevchenko National University of Kyiv | 01/01/2019

Thanks of the Rector of Taras Shevchenko National University of Kyiv | Taras Shevchenko National University of Kyiv | 01/01/2018

Thanks for Civil Service of Geology and Mineral Resources of Ukraine | Civil Service of Geology and Mineral Resources of Ukraine | 01/04/2013

Taras Shevchenko Award of Taras Shevchenko National University of Kyiv | Taras Shevchenko National University of Kyiv | 03/05/2007

NAS of Ukraine Award for students and young researchers | NAS of Ukraine | 03/03/2004

Job-related skills

Job-related skills

- Good professional skills in the processing and interpretation of geodata, mathematical modeling;

- Good skills in development of GIS and programming.

Okhrimchuk, R (2024). Study on exogenous processes along the western co using deep learning methods / R. Okhrimchuk, V. Demidov, K. Sliusar, V. Lukomskyi // Visnyk of Taras Shevchenko National University of Kyiv: Geology. – 2024. – #104(1). - P.124-131. DOI: 10.17721/1728-2713.104.15

Vyzhva, Z. (2024). The statistical simulation of dataset in 3d area with "cu example Rivne NPP geophysical monitoring / Z. Vyzhva, V. Demidov, A. Vyzhva // Visnyk of Taras Shevchenko National University of Kyiv: Geology. – 2024. – #106. - P.90-98. DOI: https://doi.org/10.17721/1728-2713.104.15

Vyzhva, Z. (2023). The statistical simulation of random fields with the Gaussian type correlation function by the investigation of the magnetometry data / Z. Vyzhva, V. Demidov, A. Vyzhva // Visnyk of Taras Shevchenko National University of Kyiv: Geology. – 2023. – #102(3). - P.81-87. DOI: 10.17721/1728-2713.102.11

Vyzhva Z. Statistical simulation of random field on 2D area with generalized Gneiting type correlation function in the geophysical problem of environment monitoring / Z. Vyzhva, V. Demidov, A. Vyzhva // Visnyk of Taras Shevchenko National University of Kyiv: Geology. – 2022. – #98. - P.86-91.

Vyzhva Z. The Comparison of Random Fields with «Power» and Whittle Mat area by Statistical Simulation on Rivne NPP example / Z. Vyzhva, V. Demidov, A. Vyzhva // 20th International Conference on Geoinformatics - Theoretical and Applied Aspects, May 11-1 10.3997/2214-4609.20215521090

Menshov O. Soil and dust magnetism in semi-urban area Truskavets, Ukraine / O. Menshov, S. Spassov, P. Camps, T. Pastushenko, V. Demidov // Environmental Earth Sciences – 2020. – #79(8) - 182. https://doi.org/10.1007/s12665-020-08924-5

Vyzhva Z. Statistical simulation of random field on 2d area with Whittle-Matern type correlation function in the geophysical problem of environment monitoring / Z. Vyzhva, V. Demidov, A. Vyzhva // Visnyk of Taras Shevchenko National University of Kyiv: Geology. – 2019. – #86. - P.55-61.

Books

Guidelines for the preparation and execution of bachelor's theses in the specialty 193 - 193 – Geodesy and land management [Electronic resource]. – yiv: Kyiv National Taras Shevchenko Un S. Vyzhva, V. Zatserkovny, I. Tsupa, V. Babii; in Ukr.) - http://www.geol.univ.kiev.ua/lib/Guideline_of_Bahelor_work_193_2022.pdf

Guidelines for the preparation and execution of master's theses in the specialty 193 - 193 – Geodesy and land management [Electronic resource]. – yiv: Kyiv National Taras Shevchenko Un S. Vyzhva, V. Zatserkovny, V. Onyshchuk, I. Virshilo; in Ukr.) - http://www.geol.univ.kiev.ua/lib/Guideline_of_Master_work_193_2020.pdf

Guidelines for the preparation and execution of bachelor's theses in the specialty 103 - Earth Sciences [Electronic resource]. – yiv: Kyiv National Taras Shevchenko University, – 2020. – 38 p. in Ukr.) - http://www.geol.univ.kiev.ua/lib/Guideline_of_Bachelor_work_103_2020_final.pdf

Geographic information systems in Earth sciences. Textbook - Nizhyn.: Publishing house “NDU them. M.V. Gogol», – 2019. – 338 p. (co-author V. Zatserkovny, I. Tishayev, I. Virshilo; in Ukr.)

Geoinformatics. Workshop [Electronic resource]. – yiv: Kyiv National Taras S – (co-author V. Zatserkovny, I. Virshilo, V. Onyshchuk, I. Tishayev, P. Trofimenko; in Ukr.) http://www.geol.univ.kiev.ua/lib/Pract_ArcVew__full.pdf

Methodology of scientific research. - Nizhyn.: Publishing house “NDU them. M.V. Gogol», –2016. – 236 p. (co-author V. Zatserkovny, I. Tishayev; in Ukr.)

Geographic information systems in Earth sciences. Monograph - Nizhyn.: Publishing house “NDU them. M.V. Gogol», – 2016. – 510 p. (co-author V. Zatserkovny, I. Tishayev, I. Virshilo; in Ukr.)

Methodical instructions on the implementation and execution of course work on the discipline "Information Technologies" [Electronic resource]. – yiv: Kyiv National Taras Shevchenko U V. Zatserkovny, I. Tishayev, V. Onyshchuk, I. Virshilo; in Ukr.) - http://www.geol.univ.kiev.ua/lib/kurs_info-tech.doc

Profiles

Scopus profile

https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=56084816800&zone=

h-index: 6

https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=56084816800&zone=

Google Scholar

https://scholar.google.com/citations?user=0mfEm74AAAAJ&hl=en

h-index: 6

https://scholar.google.com/citations?user=0mfEm74AAAAJ&hl=en

Main fields

Statistics; Geoinformatics; Big Data analysis; mathematical modeling; applied programming; GIS; web technologies; potential fields

Communication and interpersonal skills

Communication and interpersonal skills

– Excellent written and verbal communication skills;– Able to communicate effectively with a wide range of people, by showing interest and carefullylistening to their needs;– Strong presentation and demonstrating skills; Confident, articulate and professional speakingabilities.

Organisational skills

Organisational skills

- Good organisational skills gained as Deputy Director for Educational Work of ESI Institute of Geology, Taras Shevchenko National University of Kyiv;

- Member of Organized Committee of International scientific conferences and seminars on GIS and geoinformatics at ESI Institute of Geology, Taras Shevchenko National University of Kyiv.