



Vsevolod Demydov (Demidov)

Date of birth: 10/02/1979 | **Gender:** Male | **Phone number:**

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http://www.geol.univ.kiev.ua/ua/lecturers/index.php?dept=geoinf&name=demidov_v_k

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WORK EXPERIENCE

2016 – CURRENT Kyiv, Ukraine

ASSOCIATE PROFESSOR DEPARTMENT OF GEOINFORMATICS, ESI INSTITUTE OF GEOLOGY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV

Address Kyiv, Ukraine

2017 – CURRENT

DEPUTY DIRECTOR FOR EDUCATIONAL WORK ESI INSTITUTE OF GEOLOGY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV

Address Kyiv, Ukraine

2012 – 2015

DEPUTY DEAN FOR EDUCATIONAL WORK ESI INSTITUTE OF GEOLOGY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV

Address Kyiv, Ukraine

2009 – 2016

ASSISTANT PROFESSOR DEPARTMENT OF GEOINFORMATICS, ESI INSTITUTE OF GEOLOGY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV

Address Kyiv, Ukraine

2008 – 2009

ASSISTANT PROFESSOR DEPARTMENT OF GEOPHYSICS, ESI INSTITUTE OF GEOLOGY, TARAS SHEVCHENKO NATIONAL UNIVERSITY OF KYIV

Address Kyiv, Ukraine

EDUCATION AND TRAINING

2020 Lublin, Poland

CERTIFIED "EFFECTIVE TRAINING METHODS IN THE AREA OF BIOLOGY, ECOLOGY, GEOLOGY, CHEMISTRY AND PHYSICS" University of Life Sciences in Lublin

Address Lublin, Poland

2017 Kyiv, Ukraine

IBM: CERTIFIED "DATA SCIENCE BOOTCAMP" CognitiveClass.ai

Address Kyiv, Ukraine

2014 – 2016 Kyiv, Ukraine

CERTIFICATE OF ENGLISH LANGUAGE - B2 GreenForest Language School

Address Kyiv, Ukraine

2015 United States

CERTIFIED «CS169.1X: ENGINEERING SOFTWARE AS A SERVICE» University of California, Berkeley

Address United States

2014 United States

CERTIFIED «NATURAL DISASTERS» McGill

Address United States

2005 – 2008 Kyiv, Ukraine

PH.D. IN PHYSICS AND MATHEMATICS ESI Institute of Geology, Taras Shevchenko National University of Kyiv

Address Kyiv, Ukraine | **Level in EQF** EQF level 8

1999 – 2005 Kyiv, Ukraine

MASTER DEGREES OF GEOPHYSICS faculty of Geology of Taras Shevchenko National University of Kyiv

Address Kyiv, Ukraine | **Level in EQF** EQF level 7

1996 – 1999 Kyiv, Ukraine

JUNIOR SPECIALIST OF GEOPHYSICS Geological Exploring College of Taras Shevchenko National University of Kyiv

Address Kyiv, Ukraine | **Level in EQF** EQF level 5

● LANGUAGE SKILLS

Mother tongue(s): **UKRAINIAN** | **RUSSIAN**

Other language(s):

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

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● ADDITIONAL INFORMATION

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.

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 carefully listening to their needs;– Strong presentation and demonstrating skills; Confident, articulate and professional speaking abilities.

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.

HONOURS AND AWARDS

2019

Thanks of the Rector of Taras Shevchenko National University of Kyiv – Taras Shevchenko National University of Kyiv

2018

Thanks of the Rector of Taras Shevchenko National University of Kyiv – Taras Shevchenko National University of Kyiv

01/04/2013

Thanks for Civil Service of Geology and Mineral Resources of Ukraine – Civil Service of Geology and Mineral Resources of Ukraine

03/05/2007

Taras Shevchenko Award of Taras Shevchenko National University of Kyiv – Taras Shevchenko National University of Kyiv

03/03/2004

NAS of Ukraine Award for students and young researchers – NAS of Ukraine

MAIN FIELDS

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

PROJECTS

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

PROFILES

Scopus profile

<https://www.scopus.com/authid/detail.uri?origin=AuthorProfile&authorId=56084816800&zone=h-index:4>

Link <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: 5

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

LIST OF MAIN PUBLICATIONS

Articles

1. 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.
2. Vyzhva Z. The Comparison of Random Fields with «Power» and Whittle-Matern Correlation Functions in 3D area by Statistical Simulation on Rivne NPP example / Z. Vyzhva, V. Demidov, A. Vyzhva // 20th International Conference on Geoinformatics - Theoretical and Applied Aspects, May 11-13 2021. – K: 2021. – 4 p. DOI: 10.3997/2214-4609.20215521090
3. 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>
4. 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.
5. Vyzhva Z. The method of 3-D dataset statistical simulation with «cubic» correlation function on Rivne NPP example / Z. Vyzhva, V. Demidov, A. Vyzhva : 19th International Conference on Geoinformatics - Theoretical and Applied Aspects, May 11-14 2020. – K: 2020. – 4 p. <https://doi.org/10.3997/2214-4609.2020geo080>
6. Tarnovetskyi A. Using modern web technologies to construct web portals of educational and scientific organization / A. Tarnovetskyi, V. Demidov : 19th International Conference on Geoinformatics - Theoretical and Applied Aspects, May 11-14 2020. – K: 2020. – 4 p. <https://doi.org/10.3997/2214-4609.2020geo140>
7. Vyzhva Z. The comparison of random fields with Circular and Whittle-Matern correlation functions by statistical simulation in the geophysics problem of environment monitoring / Z. Vyzhva, V. Demidov, A. Vyzhva: XIII International Scientific Conference - MONITORING OF GEOLOGICAL PROCESSES AND ECOLOGICAL CONDITION OF THE ENVIRONMENT, November 12-15 2019. – K: 2019. – 4 p.
8. Vyzhva Z. About methods of random fields statistical simulation on the sphere by the aircraft magnetometry data / Z. Vyzhva, V. Demidov, A. Vyzhva, // Visnyk of Taras Shevchenko National University of Kyiv: Geology. – 2018. – #82. - P.107-113.
9. Demidov V.K. Modern development methodologies for GIS oriented web application / V.K. Demidov, O.I. Pyvovar, Y.G. Kravchenko: 17th International Conference on Geoinformatics - Theoretical and Applied Aspects, May 14-17 2018. – K: 2018. – 4 p. DOI: 10.3997/2214-4609.201801770.
10. Demidov V. Assessment of the quality and reserves of graphite of the South-Eastern area of the Zavalevsky deposit by block modeling / V. Demidov, I. Bersym: 17th International Conference on Geoinformatics - Theoretical and Applied Aspects, May 14-17 2018. – K: 2018. – 4 p. DOI: 10.3997/2214-4609.201801783.

Books

1. Guidelines for the preparation and execution of bachelor's theses in the specialty 193 - 193 – Geodesy and land management [Electronic resource]. – Kyiv: Kyiv National Taras Shevchenko University, – 2022. – 36 p. – (co-author S. Vyzhva, V. Zatserkovny, I. Tsupa, V. Babii; in Ukr.) - http://www.geol.univ.kiev.ua/lib/Guideline_of_Bachelor_work_193_2022.pdf
2. Guidelines for the preparation and execution of master's theses in the specialty 193 - 193 – Geodesy and land management [Electronic resource]. – Kyiv: Kyiv National Taras Shevchenko University, – 2020. – 38 p. – (co-author S. Vyzhva, V. Zatserkovny, V. Onyshchuk, I. Virshilo; in Ukr.) - http://www.geol.univ.kiev.ua/lib/Guideline_of_Master_work_193_2020.pdf
3. Guidelines for the preparation and execution of bachelor's theses in the specialty 103 - Earth Sciences [Electronic resource]. – Kyiv: Kyiv National Taras Shevchenko University, – 2020. – 38 p. – (co-author S. Vyzhva, V. Onyshchuk; in Ukr.) - http://www.geol.univ.kiev.ua/lib/Guideline_of_Bachelor_work_103_2020_final.pdf
4. 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.)
5. Geoinformatics. Workshop [Electronic resource]. – Kyiv: Kyiv National Taras Shevchenko University, – 2017. – 203 p. – (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
6. Methodology of scientific research. - Nizhyn.: Publishing house “NDU them. M.V. Gogol», –2016. – 236 p. (co-author V. Zatserkovny, I. Tishayev; in Ukr.)
7. 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.)
8. Methodical instructions on the implementation and execution of course work on the discipline "Information Technologies" [Electronic resource]. – Kyiv: Kyiv National Taras Shevchenko University, –

2016. – 15 p. – (co-author V. Zatserkovny, I. Tishayev, V. Onyshchuk, I. Virshilo; in Ukr.) - http://www.geol.univ.kiev.ua/lib/kurs_info-tech.doc