

Oleksiy Davydov

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2004 Doctoral degree in geographical sciences (11.00.11 - constructive geography and rational use of natural resources) (I.I. Mechnikov Odessa National University).
The topic dissertation: "Structure and environmental significance of windy flats shores on the Black Sea", supervisor - Dr. Yu. Shuisky.
Research interests: coastal science, geomorphology of sea coasts, oceanology.

1996 - 1999 Doctorate at the Department of Physical Geography and Rational Use of Natural Resources, Odessa National University named after I.I. Mechnikov
Area of scientific interests: geomorphology of sea shores, coast science, oceanology.

1991 – 1996 Kherson State Pedagogical Institute/specialist.
The theme of the qualification work: "Coasts with windy flats within the Black and Azov Seas."
The work was done at the Department of Geography
Research interests: geomorphology of sea shores, coastal science, oceanology.

PROFESSIONAL EXPERIENCE

2022 07 – present junior researcher at the Center for Nature Research (Laboratory for Geoenvironmental Research)

2021 09 – present Leading Researcher of the National Park "Biloberezhzha Svyatoslava"

2020 12 – present Head of the Department of Geography and Ecology, Kherson State University

2015 02 - 2020 02 Head of the Department of Ecology and Geography, Kherson State University

2013 02 - 2015 02 Associate Professor of the Department of Ecology and Geography

2005 09 – 2013 02 Head of the Department of Ecology and Geography, Kherson State University

2004 05 - 2005 09 Senior Lecturer, Department of Ecology and Geography, Kherson State University

1999 10 - 2004 05 Assistant of the Department of Ecology and Geography, Kherson State University

RESEARCH INTERESTS

Coastal science, geomorphology of sea coasts, oceanology

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Scopus“ database (with citation index):

1. Malchykova, D., Pylypenko, I., **Davydov, O.**, Baysha, K. Antropogenic Factors of Azov Sea Bioproductivity Transformation: Ecological History of Industrial Epoch // Indian Journal Of Ecology, Volume 46, Issue-4, December 2019, pp. 892 – 900. ISSN 0304-5250.
2. **Davydov, O.**, Karaliūnas, V. 2022. Genetic diversity of inlet systems along non-tidal coasts: examples from the Black Sea and Sea of Azov (Ukraine). Baltica, 35 (2), 125–139. Vilnius. <https://doi.org/10.5200/baltica.2022.2.3>

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

1. Malchykova, D., Pylypenko, I., **Davydov, O.**, Baysha, K. Professional education for sustainable development: experience of ecologists programs creating // 18thInternational Multidisciplinary Scientific GeoConference SGEM 2018. Conference proceeding. Volume 18. Education and accreditation in Geosciences. 2 July – 8 July, 2018. Albena. Bulgaria. – P. 233 – 240.
2. **Davydov, O.**, Pylypenko, I., Zinchenko, M., Simchenko, S. Morphostructural analysis of coastal zone of Kherson region, Ukraine // Paper presented at the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(1.1): 361-368. <https://doi.org/10.5593/sgem2019/1.1/S01.044>.
3. Malchykova D., Pylypenko I., **Davydov O.**, Baysha K. Environmental research and natural education priorities: challenges of globalization and educational reforms in Ukraine. International Multidisciplinary Scientific GeoConference SGEM **Sofia** 2020: Conference Papers & Proceedings, , Vol. 20, Issue 5.2, 725 -732. <https://doi.org/10.5593/sgem2020/5.2/s22.089>.

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

1. **Davydov, O.** Genetic Features of the “Winged Foreland” Coastal System // Current state, challenges and prospects for research in natural sciences: collective monograph / O. V. Averchev, I. O. Bidnyna, etc. – Lviv-Toruń Liha-Pres, 2019. – Pp. 86 – 115. <https://doi.org/10.36059/978-966-397-156-8/86-115>
2. **Davydov, O.**, Zimchenko, M. The "Winged Foreland" Abrasion-Accumulative Systems // New stages of development of modern science in Ukraine and EU countries: monograph / edited by authors. – 7th ed. – Riga, Latvia: “Baltija Publishing”, 2019. – Pp. 302-327. <https://doi.org/10.30525/978-9934-588-15-0>
3. **Davydov, O.V.**, Roskos, N.O., Roskos, O.M. Natural minds of storm surges near the Geniches Delta area // Bulletin of the Odessa National University. Series of Geographic and Geological Sciences, 2019. Volume 24. Issue 2(35). P. 40 – 51. [https://doi.org/10.18524/2303-9914.2019.2\(35\).183728](https://doi.org/10.18524/2303-9914.2019.2(35).183728)

4. **Davydov, O.V.** Definition of "winged cape": historical analysis and general characteristics. Scientific Bulletin of Kherson State University. Series: Geographical Sciences, 2019. - Issue - 10. - P. 119-129. <https://doi.org/10.32999/ksu2413-7391/2019-10-17>
5. **Davydov, O.V.** General characteristics of the coastal system of the "winged cape" type Kinburn-Pokrovskaya-Dovgy // Scientific Bulletin of Kherson State University. Series: Geographical Sciences, 2019. - Issue - 11. - P. 95-105. <https://doi.org/10.32999/ksu2413-7391/2019-11-13>
6. **Davydov, O.V.** Geomorphological conditions of the coastal system "winged cape" Lebedina - Oyster. Bulletin of Odessa National University. Volume 25. - Issue 2 (37). - 2020, Geographical Sciences Series. - P.13 - 29. [https://doi.org/10.18524/2303-9914.2020.2\(37\).216557](https://doi.org/10.18524/2303-9914.2020.2(37).216557)
7. **Davydov, O.V.,** Chaus, V.B., Murkalov, O.B., Roskos, O.M., Simchenko, S.V. Morphological structure of the coastal zone of the barrier system "winged cape" Kinburn-Pokrovskaya-Long Scientific Bulletin of Kherson State University. Geographical Sciences Series, 2021. - Issue. 14. - P. 39-51. <https://doi.org/10.32999/ksu2413-7391/2021-14-5>
8. **Davidov, O.V.,** Chaus, V.B., Simchenko, S.V., Onoiko, Yu.Yu., Roskos, O.M. Monitoring the morphodynamics of the coastal barrier "Winged Cape" Kinburn-Pokrovskaya-Dovgy (for 2019-2021). Scientific Bulletin of Kherson State University. Geographical Sciences Series, 2021. - Issue. 15. - P. 29-51. <https://doi.org/10.32999/ksu2413-7391/2021-15-4>
9. **Davydov, O.V.,** Roskos, O.M., & Huliaiev, A.Yu. (2022). About the study of morphological conditions of the Utlutsky liman coastal zone within Henichesk. Scientific Bulletin of Kherson State University Series Geographical Sciences, 16, 17–31. <https://doi.org/10.32999/ksu2413-7391/2022-16-2>
10. Shuisky, Yu.D., Vykhoivanetz, G.V., **Davydov, O.V.** Natural features and hypotheses of origin neashnearshore in the coastal zone of non-tidal seas . ONU Bulletin. Ser.: Geographical and geological sciences. 2022. Vol. 27, issue 1(40). 22-40. [https://doi.org/10.18524/2303-9914.2022.1\(40\).257530](https://doi.org/10.18524/2303-9914.2022.1(40).257530)

Reviewed scientific articles, published in Lithuania:

1. Davydov, O., Kotovskiy, I. Geographical allocation of “winged foreland” abrasion-accumulative systems. Leidinyje pateikiama 12-osios mokslines-praktines konferencijos “Jurosir krantu tyrimai 2019”. Klaipėdoje, medžiaga. pp. 49 – 52. ISSN 2538-7243
 2. Davydov, O., Karaliunas, V. Historico-cartographic analysis of forming the washout formations in the coastal systems of non-tidal seas. Leidinyje pateikiama 13-osios mokslinės-praktinės konferencijos „Jūros ir krantų tyrimai 2020“, vykusios 2020 metų spalio 7–9 dienomis Klaipėdoje, medžiaga. Pp. 46 - 50.
 3. Davydov, O., Chaus, V., Kotovsky, I., Zinchenko M. Strengthening of coastal aeolian landforms within the frontal part of the Kinburn Peninsula Leidinyje pateikiama 13-osios mokslinės-praktinės konferencijos „Jūros ir krantų tyrimai 2020“, vykusios 2020 metų spalio 7–9 dienomis Klaipėdoje, medžiaga. – Pp. 42-45.
 4. Davydov O., Karaliūnas V., Roskos O. Morphodynamic Features of the Development of Frontal Shores Coastal Barriers of Non-Tidal Seas. 14-oji nacionalinė jūros mokslų ir technologijų konferencija JŪROS IR KRANTŲ TYRIMAI 2021 Konferencijos medžiaga 2021 spalio 21–22 d. Klaipėda. P. 37 – 42. http://apc.ku.lt/krantai2021/wp-content/uploads/2021/11/knygele_JKT_2021_20211019.pdf
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PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2018 – 2023	Morphology and dynamics of the coastal zone of the Azov-Black Sea basin of Ukraine (registration number 0118U004402) (Ukraine).
2020 – 2021	The southern coast of Ukraine: from research to development (USAID, Ukraine)

INTERNSHIP AND TRAINING

2022 10 – 2022 12	Internship in the Curonian Spit National Park
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PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. Malchykova, D., Pylypenko, I., **Davydov, O.**, Baysha, K. Professional education for sustainable development: experience of ecologists programs creating // 18thInternational Multidisciplinary Scientific GeoConference SGEM 2018. Conference proceeding. Volume 18. Education and accreditation in Geosciences. 2 July – 8 July, 2018. Albena. Bulgaria. – P. 233 – 240.
2. **Davydov, O.**, Pylypenko, I., Zinchenko, M., Simchenko, S. Morphostructural analysis of coastal zone of Kherson region, Ukraine // Paper presented at the International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 19(1.1): 361-368.
3. Malchykova D., Pylypenko I., **Davydov O.**, Baysha K. Environmental research and natural education priorities: challenges of globalization and educational reforms in Ukraine. **International Multidisciplinary Scientific GeoConference SGEM Sofia 2020: Conference Papers & Proceedings**, Vol. 20, Issue 5.2, 725 -732.
4. **Davydov O.** Breaches in coastal barriers of non-tidal seas: paleogeographic aspects // Quaternary of the Eastern Baltic Region. Excursion guide and abstracts of international field symposium, 10 – 15 September 2022, Vilnius, Lithuania / Eds.: V. Seiriene and A. Bitinas, Nature Research Centre, 2022. P. 14 – 16. ISBN 978-609-8255-10-2

National scientific conferences:

1. **Davydov, O.**, Kotovskiy, I. Geographical allocation of “winged foreland” abrasion-accumulative systems. Leidinyje pateikiama 12-osios mokslines-praktines konferencijos “Jurosir krantu tyrimai 2019”. Klaipėdoje, medžiaga. pp. 49 – 52. ISSN 2538-7243
2. **Davydov, O.**, Karaliunas, V. Historico-cartographic analysis of forming the washout formations in the coastal systems of non-tidal seas. Leidinyje pateikiama 13-osios mokslinės-praktinės konferencijos „Jūros ir krantų tyrimai 2020“, vykusios 2020 metų spalio 7–9 dienomis Klaipėdoje, medžiaga. Pp. 46 - 50.
3. **Davydov, O.**, Chau, V., Kotovsky, I., Zinchenko M. Strengthening of coastal aeolian landforms within the frontal part of the Kinburn Peninsula Leidinyje pateikiama 13-osios mokslinės-praktinės konferencijos „Jūros ir krantų tyrimai 2020“, vykusios 2020 metų spalio 7–9 dienomis Klaipėdoje, medžiaga. – Pp. 42-45.
4. Davydov O., Karaliūnas V., Roskos O. Morphodynamic Features of the Development of Frontal Shores Coastal Barriers of Non-Tidal Seas. 14-oji nacionalinė jūros mokslų ir

technologijų konferencija JŪROS IR KRANTŲ TYRIMAI 2021 Konferencijos medžiaga
2021 spalio 21–22 d. Klaipėda. P. 37 – 42. http://apc.ku.lt/krantai2021/wp-content/uploads/2021/11/knygele_JKT_2021_20211019.pdf

PARTICIPATION IN THE STUDY PROCESS

Supervision of PhD students:

Field of Science: Geography (106).

Simchenko Sergey	Thesis topic: "The role of engineering structures in the development of coastal processes of the Black and Azov Seas"	2019-10-01 - 2022-10-01
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Andriy Chernyavsky	Morphogenesis and morphodynamics of the shores of the Dniprovsky-Buzsky liman	2022-10-01 - present
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OTHERS

1. **Davydov, O.,** Kundelchuk, O. Primary handbook for students of specialties 106 Geography, 103. Earth sciences "Paleoecology: lecture notes" Kherson: ПП Вишемирський В.С., 2017. – 434 с.
2. **Davydov, O.,** Kundelchuk O. Methodology of geologic doslizhen: System Lectziy. Forever sowing for students of specialties 106 Geography, 103 Earth sciences. Kherson: ПП Вишемирський В.С., 2018. - 266 p.