

**OLEKSANDRA OSKYRKO**  
**Curriculum Vitae**

**Date of birth:** 13.12.1997

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**Languages**

Ukrainian (native), English (advanced), Russian (advanced), Czech (elementary)

**Education:**

2022 – present: PhD student, Key lab of Animal Ecology and Conservation Biology, Institute of Zoology, Chinese Academy of Sciences, Beijing, China

2018 - 2020: MSc. degree, Department of Ecology and Zoology, Educational and Scientific Center «Institute of Biology and Medicine», Taras Shevchenko National University of Kyiv, Ukraine

2014 - 2018: BSc. degree, Department of Zoology, Educational and Scientific Center «Institute of Biology and Medicine», Taras Shevchenko National University of Kyiv, Ukraine

**Working experience:**

June-July 2022: herpetologist-field researcher in Operation Wallacea expedition (Krka National Park, Croatia)

September 2021 - June 2022: an internship student in Department of Zoology, Comenius University in Bratislava, Slovakia (leadership Daniel Jablonski)

2020-2022: assistant/technician in the Department of Zoology, Faculty of Science, Charles University in Prague, Czech Republic

April 2020 - September 2020: lab-field technician in the project «Determining the natural and human-mediated factors responsible for the multiple invasions by reptiles» in CIBIO, InBIO, Universidade do Porto, Portugal (leadership Prof. Miguel A. Carretero)

2018-2020: field researcher for collecting reptiles and amphibians for parasitological studies in Schmalhausen Institute of Zoology, NAS of Ukraine (leadership Prof. Yuriy Kuzmin)

2017-2020: assistant/technician for studied secrets of the skin in amphibians ESC «Institute of Biology and Medicine», Taras Shevchenko National University of Kyiv, Ukraine (Prof. Olexiy Savchuk)

2017-2018: researcher in NGO «Ukrainian Nature Conservation Group»

2017-2018: coordinator in the Ukrainian Association of Zoos and Aquariums

**Grants:**

**Principal investigator:**

2021-2022: Gaige Fund Award from the American Society of Ichthyologists and Herpetologists to support project «The possible origin of the slow worm *Anguis fragilis* (Linnaeus, 1758) in Ireland» (\$900)

2021-2022: 2nd Rufford Small Grant to support project «Setting conservation priorities for reptiles and their habitats in the Ukrainian Bessarabia», ID 34322-2 (£5540)

2020-2022: SSAR Roger Conan Grant to support project «Unraveling the origin of the common wall lizards (*Podarcis muralis*) in Romania» (\$500)

2019-2020: Rufford Small Grant to support project «Assessment of conservation status of habitats important for reptiles within the Southern Bug eco-corridor in the Steppe zone of Ukraine», ID 28002-1 (£4855)

**Travel grants:**

2022: Travelling Fellowship from the Company of Biologists' journals (£2450)

2022: Clark Hubbs' Student Travel Award to facilitate the participation at the Joint Meeting of Ichthyologists and Herpetologists 2022, Spokane, WA, USA, 27-31 July 2022 (\$800)

2019: Student Travel Grant to facilitate the participation at the SEH XX European Congress of Herpetology at the University of Milan, Italy (September 2-6, 2019) (€300)

2017: Travel Grant to facilitate the participation at the twelfth annual water conference «Conference on the Physics, Chemistry and Biology of Water», October 26-29, 2017, Sofia, Bulgaria (\$400)

**Scholarship:**

2022-2025: ANSO Scholarship for Yong Talents (7000 ¥/per month)

September 2021 - June 2022: Visegrad Scholarship (500 €/per month)

June 2018 - May 2019: - Scholarship program "Zavtra.UA" from Victor Pinchuk Foundation (82 €/month)

**Internships and attended courses:**

2018-2019 (November-December 2018, April 2019, June-July 2019 and October-November 2019): internships for lab works and writing master's thesis in CIBIO, InBIO, Universidade do Porto, Portugal

15-25.08.2018: The training course on Herpetology Methods and Field Herping (Daugavpils, Latvia, 10 days, 160 hours)

**Professional skills:**

- collecting material from the wild for 9 years so far (including sampling of specimens in the field);
- skills at the level of an experienced in the QGIS, ArcGIS, Statistica, base R, Photoshop. This includes experience with database management (including SDF-manager) and ecological model of MaxEnt;
- experience with molecular lab work (DNA extraction, library preparation and sequencing), genetic analyses and phylogenetic analyses;
- basic skills with respirometer system (measurement CO<sub>2</sub> and O<sub>2</sub>);
- experience with ultrasound imaging system for animals;
- different types of marking of lizards, snakes and turtles;
- experience in creating optimal conditions for keeping animals in captivity, care and breeding of animals in captivity;
- skills in animals' preparation and production of histological sections;
- unique method collect skin secretions in amphibian (developed method personally);
- have driver's license.

**Field work:**

2022 (June-July): Krka National Park, Croatia

2016-2021: different regions of Ukraine

2019 (June, 20 days): The Pyrenees Mountains, Spain

2019 (May, 10 days): Przemysl, Poland

2019 (August, 11 days): the southern part of Romania

2018 (August, 14 days): Daugavpils, Latvia

### **International meetings and conferences:**

- 2022 (September 5-9) 21st European Congress of Herpetology, Belgrade, Serbia (online presentation)
- 2022 (August 22-26) The 6th European Congress of Conservation Biology, Prague, Czech Republic (oral presentation)
- 2022 (August 14-19) Congress of European Society for Evolutionary Biology, Prague, Czech Republic (poster)
- 2022 (July 27-31) Joint Meeting of Ichthyologists and Herpetologists 2022, Spokane, Washington State, USA (oral presentation)
- 2021 (November 3-4) International Conference on Herpetological Biodiversity and Conservation in Eurasian Countries, Beijing, China (online presentation)
- 2021 (September 27-28) 11th International Symposium on the Lacertids of the Mediterranean Basin, Lipari, Italy (online presentation)
- 2019 (September 2-6): 20th European Congress of Herpetology, Milan, Italy (poster)
- 2019 (April 10-12): 60th International Scientific Conference of Daugavpils University, Latvia (oral presentation)
- 2018 (June 18-22): The 10th Symposium on the Lacertids of the Mediterranean Basin & 2nd Symposium on Mediterranean Lizards, Steinhardt Museum of Natural History, Tel Aviv University Tel Aviv, Israel (poster)
- 2018 (May 3-5): The 2nd International Conference on Biomedical Sciences "Smart Bio", Vytautas Magnus University, Kaunas, Lithuania (oral presentation)
- 2018 (July 3-6): The 4th International Symposium on EuroAsian Biodiversity (SEAB), Kiev, Ukraine (oral presentation)
- 2018 (September 19-23): 13th Croatian Biological Congress with International Participation, Poreč, Croatia (poster)
- 2017 (October 26-29): The twelfth annual water conference "Conference on the Physics, Chemistry and Biology of Water», Sofia, Bulgaria (poster)
- 2017 (June 22-25): 22nd Congress of the European Hematology Association, Madrid (poster)

### **Publications:**

#### **Publications in peer-reviewed journals:**

#### **2023**

Sreelatha L.B., Pérez i de Lanuza G., **Oskyrko O.**, Gomes V., Andrade P., Boratyński Z., Carretero M.A. (2022). Towards a generalization of the behavioral trends in locomotion across color morphs of European wall lizard (*Podarcis muralis*). *Acta Herpetologica*, (under review).

#### **2022**

**Oskyrko O.**, Sreelatha L.B., Silva-Rocha I., Sos T., Vlad S.E., Cogălniceanu D., Stănescu F., Iskenderov T.M., Doronin I.V., Lisičić D., Carretero M.A. (2022). Molecular analysis of recently introduced populations of the Italian wall lizard (*Podarcis siculus*). *Acta Herpetologica*, 17(2): 147-157.

**Oskyrko O.**, Sreelatha L.B., Hanke G.F., Deichsel G., Carretero M.A. (2022). Origin of introduced Italian wall lizards, *Podarcis siculus* (Rafinesque-Schmaltz, 1810) (Squamata: Lacertidae), in North America. *BioInvasions Records*, 11(4): 1095–1106.

**Oskyrko O.**, Sos T., Vacheva E., Vlad S.E., Cogălniceanu D., Uller T., Feiner N., Carretero M.A. (2022). Unravelling the origin of the common wall lizards (*Podarcis muralis*) in south-eastern Europe using mitochondrial evidence. *Biodiversity Data Journal*, 10: e90337.

**Oskyrko O.**, Lysenko R., Jablonski D. (2022). The sheltopusik (*Pseudopus apodus*) in southwestern Ukraine? Insights from the museum collection. *Evolutionary Systematics*, 6(1): 71–76.

## 2021

Jablonski D., Sillero N., **Oskyrko O.**, Bellati A., Čeirāns A., Cheylan M., Cogălniceanu D., Crnobrnja-Isailović J., Crochet P.A., Crottini A., Doronin I., Džukić G., Geniez P., Ilgaz Ç., Iosif R., Jandzik D., Jelić D., Litvinchuk S., Ljubisavljević K., Lymberakis P., Mikulíček P., Mizsei E., Moravec J., Najbar B., Maciej P., Pupins M., Sourrouille P., Strachinis I., Szabolcs M., Thanou E., Tzoras E., Vergilov V., Vörös J., Gvoždík V. (2021). The distribution and biogeography of slow worms (Anguis, Squamata) across the Western Palearctic, with an emphasis on secondary contact zones. *Amphibia-Reptilia* (published online ahead of print 2021)

Čeirāns A., Gravele E., Gavarane I., Pupins M., Mezaraupe L., Rubenina I., Kvach Y., Skute A., **Oskyrko O.**, Nekrasova O., Marushchak O., Kirjushina M. (2021). Helminth communities in amphibians from Latvia, with an emphasis on their connection to host ecology. *Journal of Helminthology*, 95: E48.

**Oskyrko O.**, Jablonski D. (2021). The first comprehensive data on the distribution of reptiles within the Southern Bug eco-corridor, Ukraine. *Herpetozoa*, 34: 97–114.

## 2020

**Oskyrko O.** & Jablonski D. (2020). Swimming Behavior in a Caspian Whipsnake, *Dolichophis caspius* (Gmelin 1789). *IRCF Reptiles & Amphibians* 27: 277-278.

Kuzmin Y., I. Dmytrieva, O. Marushchak, Morozov-Leonov S., **Oskyrko O.**, Nekrasova O. (2020). Helminth species and infracommunities in frogs *Pelophylax ridibundus* and *P. esculentus* (Amphibia: Ranidae) in northern Ukraine. *Acta Parasitologica*, 65(2): 341-353.

**Oskyrko O.**, Laakkonen H., Silva-Rocha I., Jablonski D., Marushchak O., Uller T., Carretero M. (2020). The possible origin of the common wall lizards *Podarcis muralis* (Laurenti, 1768) in Ukraine. *Herpetozoa*, 33: 87-93.

Udovychenko I., **Oskyrko O.**, Marushchak O., Halenova T., Savchuk O. (2020). Identification of biologically active fractions in the dermal secretions of the genus *Bombina* (Amphibia: Anura: Bombinatoridae). *Acta Herpetologica* 15(1): 21-29.

## 2019

Marushchak O.Yu., Nekrasova O.D., **Oskyrko O.S.**, Voitenko V.S., Zhytnyk D.O. (2019). Impact of Electromagnetic Field on Peculiarities of *Rana temporaria* Linnaeus, 1758 (Anura, Ranidae) Ontogeny. *Journal of Environmental Research, Engineering and Management*, 75 (2): 82-89.

### Other publications:

Garin-Barrio I., Blanco Y., Cabido C., Carretero M.A., Fernández-Arrieta A., Izagirre-Egaña A., López-Aizpuru J., Mandiola E., **Oskyrko O.**, Silva-Rocha I. (2020). Introducción reciente de *Podarcis sicula* en dos enclaves costeros del País Vasco. *Boletín de la Asociación Herpetológica Española*, 31(2): 181-186.

Kyriachenko Y., **Oskyrko O.**, Udovychenko I., Halenova T. (2020). Hemolytic activity of skin secretions of amphibians that inhabit the Ukraine territory. *Bulletin of Taras Shevchenko National University of Kyiv-Biology*, 80 (1): 6-10.

Akulenko, N.M., Dziubenko, N.V., Marushchak, O.Yu., Nekrasova, O.D., **Oskyrko, O.S.** (2019). Histological Changes in Common Toad, *Bufo bufo* (Anura, Bufonidae), Liver Tissue under Conditions of Anthropogenically Transformed Ecosystems. *Vestnik Zoologii*, 53(6): 501–506.

Udovychenko I., Dudkina Y., Oliinyk D., **Oskyrko O.**, Marushchak O., Halenova T., Savchuk O. (2019). In vitro haemostatic effect of amphibian crude skin secretions in rabbit blood plasma. *Journal of Biological Research*, 92: 84-75.

Nekrasova O.D., **Oskyrko O.S.**, Marushchak O.Yu. (2018). Color features of sand lizards, *Lacerta agilis* (Sauria, Lacertidae), in Kyiv region (Ukraine). *Vestnik Zoologii*. 52(6): 495-500.

**Oskyrko O.**, Dudkina J., Nikolaieva I., Halenova T., Marushchak O. (2018). Variability and properties of host defense peptides from the skin secretions of Anurans. *Bulletin of Taras Shevchenko National University of Kyiv. Biology*: 2(76): 51-56.

Nikolaieva I., Oliinyk D., **Oskyrko O.**, Marushchak O., Halenova T., Savchuk O. (2018). Amphibian skin secretions: a potential source of proteolytic enzymes. *Biotechnologia Acta* 11(5): 42-48.

Balashov I., Shvydka Z., Vasyliuk O., Marushchak O., Shyriaeva D., **Oskyrko O.** (2018). The first record of an invasive Caucasian land snail *Harmozica ravergiensis* in Central Ukraine (Stylommatophora, Hygromiidae). *Ruthenica*, 28(1): 43-45.

Balashov I., Vasyliuk O., Shyriaeva D., Shvydka Z., **Oskyrko O.**, Marushchak O., Stetsun H., Bezsmertna O., Babytskij A., Kostyushyn V. (2018). Terrestrial Molluscs in the Dry Grasslands of the Dnipro Upland (Central Ukraine): New Records, Rare Species and Conservation Potential. *Vestnik Zoologii*. 52(1): 3–12.

Tytar V., Nekrasova O., Pupina A., Pupins M., **Oskyrko O.** (2018). Long-term bioclimatic modelling the distribution of the fire-bellied toad, *Bombina bombina* (Anura, Bombinatoridae), under the influence of global climate change. *Vestnik Zoologii*, 52 (4), 341-348.

## **Membership**

Societas Europaea Herpetologica

American Society of Ichthyologists and Herpetologists

European Society of Evolutionary Biology (ESEB)

Ukrainian Herpetological Society

NGO "Ukrainian Nature Conservation Group"