

# Oleksii Dubovyk

*Ph.D. Candidate in Ecological Sciences*

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## Education

- Aug 2022 – **Doctor of Philosophy in Ecological Sciences**, *Old Dominion University*, Norfolk, Virginia, USA, *GPA 3.97*  
present  
*Dissertation:* The role of functional traits in avian community assembly along an urban gradient
- Aug 2020 – **Master of Science in Biology**, *Old Dominion University*, Norfolk, Virginia, USA,  
Aug 2022 *GPA 4.00*  
*Thesis:* The spatial and temporal changes of functionally rare landbird species across North America relative to urbanized areas
- Sep 2019 – **Master's degree in Biology (Specialization: Zoology)**, *Ivan Franko National University of Lviv*, Lviv, Ukraine, *GPA 4.00 (With Honors)*  
Dec 2022  
*Thesis:* Distribution of breeding birds' diversity and rare species along an urban gradient in parks and forests of Lviv
- Sep 2015 – **Bachelor's degree in Biology (Specialization: Teacher of Biology and Chemistry. Laboratory engineer in the field of biology)**, *Ivan Franko National University of Lviv*, Lviv, Ukraine, *GPA 3.69 (With Honors)*  
Jun 2019

## Professional Experience

### Vocational

- Apr 2026 – **Lead Technician**, *Coastal Virginia Wildlife Observatory / Virginia Commonwealth University*, Chesapeake, VA, USA  
May 2026  
Nestbox monitoring and insect prey availability monitoring for the project "Why is Prothonotary Warbler reproductive success plummeting at the Northwest River? Assessing prey availability as a potential culprit"
- Aug 2022 – **Graduate Teaching Assistant**, *Department of Biological Sciences, Old Dominion University*, Norfolk, VA, USA  
present  
Preparing lab materials, teaching pre-lab lectures, contributing to designing lab-based classes.
- May 2023 – **Graduate Research Assistant**, *Tick Research Group, Department of Biological Sciences, Old Dominion University*, Norfolk, VA, USA  
Aug 2023  
Modeling of spatio-temporal population dynamics in the American Dog Tick

- Aug 2019 – **Biologist**, "Roztochia" Nature Reserve, Ivano-Frankove, Lviv region, Ukraine, (part-time)  
 Jul 2020
  - monitoring of populations of vertebrates
  - use of trail cameras for wildlife monitoring
- May 2020 **Field Ornithologist**, Zoological Museum, Ivan Franko National University of Lviv, Lviv, Ukraine  
 A part of the Polish-Ukrainian effort on evaluation of the population of the Great Snipe *Gallinago media*
- Jun 2018 – **Research Associate**, West-Ukrainian Ornithological Society, Lviv, Ukraine  
 Feb 2019
  - field data collection on bird migration over Polonyna Borzhava mountain ridge (Ukrainian Carpathians)
  - data analysis and writing research reports
  - prediction of bird mortality due to collisions with a proposed wind farm
- Aug 2016, **Bird Banding Assistant**, West-Ukrainian Ornithological Station, Cholginy Ornithological Reserve, Lviv region, Ukraine  
 Aug 2015,  
 Aug 2014

#### Miscellaneous

- Dec 2022 – **Translator (Ukrainian–English)**, Christian Medical Association, USA/Ukraine  
 May 2023 Mediation between hospitals in Ukraine and charity organizations in the U.S. willing to provide medical training to nurses treating war victims in Ukraine
- Jun 2022 – **Information Table Volunteer**, Ukrainian Canadian Congress, Toronto, Canada  
 Aug 2022 Humanitarian and informational assistance to people fleeing Russian military invasion of Ukraine

### Peer-reviewed Publications

- [9] Dubovyk, O and Walters, EL. (In Review). Let birders sleep in: sampling during morning hours biases estimates of avian diversity. *Journal of Field Ornithology*.
- [8] Dubovyk, O and Walters, EL. (2024). The influence of time-of-day on estimates of taxonomic versus functional diversity in avian communities. *Bird Study* 71 (1):98–102.
- [7] Shydlovskyy, I, Dubovyk, O, Hrynyuk, P, Zahorodnyi, I, and Matejchyk, V. (2021). Avifauna of meadow ecosystems in borderland areas of Lviv and Volyn Oblasts. *Geo&Bio* 20. In Ukrainian:117–134.
- [6] Zahorodnyi, I, Dubovyk, O, Komarnytskyi, I, and Dykyy, I. (2021). Diet of Long-eared Owl and Common Kestrel in an urban landscape (Ukraine). *Ornis Hungarica* 29:108–119.
- [5] Bokotey, A, Dzyubenko, N, and Dubovyk, O. (2020). Representativeness and conservation of bird fauna in the Regional Landscape Park "Stilske Gorbogiria". *Proceedings of the Forestry Academy of Sciences of Ukraine*. In Ukrainian:45–56.
- [4] Dubovyk, O, Bokotey, A, Pokrytiuk, L, Bodnar, V, Strus, I, and Ruchko, O. (2020). Autumn migration of birds over Polonyna Borzhava (Ukrainian Carpathians). *Zoodiversity* 54:43–52.
- [3] Dubovyk, O, Kuzyo, H, and Bokotey, A. (2020). Density variation in "rare" breeding birds in native forests and urban parks. *Geo&Bio* 2020:20–31.
- [2] Dubovyk, O. (2019). Annual dynamics of bird communities in urban parks in Lviv, Ukraine: preliminary analysis of diversity and composition variability. *Studia Biologica* 13:79–98.

- [1] Dubovyk, O and Stephanyshyn, R. (2019). The observation of the Eurasian Dotterel (*Eudromias morinellus*) in Chornogora mountain ridge (the Ukrainian Carpathians). *Berkut* 28:50–51.

## Reviewed Conference Papers and Proceedings

- [13] Shiri, M, Dubovyk, O, Roghaniaaraghi, G, and Jayarathna, S. (2023). Meme it up: patterns of emoji usage on Twitter. In: 2023 IEEE 24th International Conference on Information Reuse and Integration for Data Science (IRI):205–210.
- [12] Dubovyk, O. (2021). Observations of wild mammals in the “Roztochya” Nature Reserve. In: Materials to the Mammal Atlas of Ukraine. Volume 20. Conservation Biology in Ukraine. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:107–108.
- [11] Kuzyo, H, Zhulenko, V, and Dubovyk, O. (2021). Lviv Bird Point Counts Scheme: preliminary results of winter avian communities classification and an improvement of methodology. In: Proceedings of the XV International Young Scientists Conference “Biology: From a Molecule Up to the Biosphere”. V. N. Karazin Kharkiv National University. Kharkiv, Ukraine.
- [10] Dubovyk, O. (2020). Do rare forest species tend to occur within protected areas of the Lviv agglomeration? In: Monitoring and Conservation of Biodiversity in Ukraine. Animals. Volume 16. Conservation Biology in Ukraine 2. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:73–83.
- [9] Dubovyk, O. (2020). The Short-toed Treecreeper *Certhia brachydactyla* in Lviv (Western Ukraine). In: Troglodytes: Proceedings of the West-Ukrainian Ornithological Society. Volume 9–10. In Ukrainian. West-Ukrainian Ornithological Society. Lviv, Ukraine:109–112.
- [8] Dubovyk, O and Kuzyo, H. (2020). Citizen science for gathering the data on the Common Crane’s *Grus grus* migration in Ukraine: the first experience. In: Troglodytes: Proceedings of the West-Ukrainian Ornithological Society. Volume 9–10. In Ukrainian. West-Ukrainian Ornithological Society. Lviv, Ukraine:113–115.
- [7] Bokotey, A, Kuzyo, H, and Dubovyk, O. (2019). Birds protected by the Red List of Ukraine in fauna of Lviv city. In: Materials for the 4th edition of the Red List of Ukraine: Animals. Volume 7. Conservation Biology in Ukraine 3. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:34–40.
- [6] Dubovyk, O, Bokotey, A, Pokrytiuk, L, Bodnar, V, and Ruchko, O. (2019). Autumn migration of the birds protected by the Red List of Ukraine over Polonyna Borzhava (Ukrainian Carpathians). In: Materials for the 4th edition of the Red List of Ukraine: Animals. Volume 7. Conservation Biology in Ukraine 3. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:125–126.
- [5] Dubovyk, O, Skyrpan, M, and Zahorodnyi, I. (2019). Regional Landscape Park “Stilske Gorbogiria” – area that is important for breeding, wintering, and migration of rare bird species. In: Materials for the 4th edition of the Red List of Ukraine: Animals. Volume 7. Conservation Biology in Ukraine 3. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:127–130.
- [4] Kuzyo, H and Dubovyk, O. (2019). Observations of birds protected by the Red List of Ukraine and Resolution #6 of the Berne Convention in National Nature Park “Prypiat-Stokhid”. In: Materials for the 4th edition of the Red List of Ukraine: Animals. Volume 7. Conservation Biology

- in Ukraine 3. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:208–209.
- [3] Shydlovskyy, I, Dubovyk, O, Strus, I, and Skyrpan, M. (2019). Observations of birds protected by the Red List of Ukraine between 2009 and 2019. In: Materials for the 4th edition of the Red List of Ukraine: Animals. Volume 7. Conservation Biology in Ukraine 3. In Ukrainian. Kyiv, Ukraine: I.I. Schmalhausen Institute of Zoology of the National Academy of Sciences of Ukraine:332–343.
- [2] Dubovyk, O. (2017). Structure of winter bird assemblages in green urban areas in Lviv. In: Troglodytes: Proceedings of the West-Ukrainian Ornithological Society. Volume 7. In Ukrainian. Lviv, Ukraine: West-Ukrainian Ornithological Society:43–51.
- [1] Kuzyo, H and Dubovyk, O. (2016). Avifauna of areas with different land use in Lviv suburbs. In: Proceeding of the the Scientific Conference “State and biodiversity of ecosystems of Shatsk National Nature Park and other protected areas”. In Ukrainian. Lviv, Ukraine: Ivan Franko National University of Lviv:49–53.

## Fellowships and Grants

Total amount during the graduate track (2020 – present): >\$50k

- Aug 2026 **Expanding Opportunities Travel Grant**, *American Ornithological Society*, Chicago, IL, USA, \$1,250  
Travel expenses to attend the AOS Annual Meeting in Amherst, MA, Aug 3–7, 2025
- Apr 2025 **PhD Student Conference Award**, *College of Sciences & Department of Biological Sciences, Old Dominion University*, Norfolk, VA, USA, \$1,000  
Travel expenses to attend the ESA Annual Meeting in Baltimore, MD, Aug 10–15, 2025
- Apr 2025 **Student Registration Grant**, *Ecological Society of America*, Baltimore, MD, USA, \$275  
Registration for the ESA Annual Meeting in Baltimore, MD, Aug 10–15, 2025
- Mar 2025 **Bob Ake Research Grant**, *Coastal Virginia Wildlife Observatory*, Lightfoot, VA, USA, \$1,000  
Effects of urbanization on community-level bird vocalizations in coastal Virginia
- Jun 2024 **Grant in Aid of Research**, *Sigma Xi, The Scientific Research Honor Society*, Durham, NC, USA, \$1,000  
Nest type and urbanization level as predictors of foraging decisions in potential nest predators
- May 2024 **Small Project Research Grant**, *Virginia Academy of Science*, Richmond, VA, USA, \$1,245  
Bird song as a functional trait filtered along an urban gradient
- Apr 2024 **Graduate Summer Award Program**, *Graduate School, Old Dominion University*, Norfolk, VA, USA, \$3,000  
Intensity and sources of nest predation along an urban gradient
- Mar 2024 **Graduate Student and Postdoc Registration Waiver**, *Society for the Study of Evolution*, Montreal, QC, Canada, \$325  
Registration for the Joint Congress on Evolutionary Biology in Montréal, QC, Canada, Jul 26–30

- Mar 2024 **J.J. Murray Research Award**, *Virginia Society of Ornithology*, Williamsburg, VA, USA, \$500  
Effects of urbanization on foraging decisions in potential avian nest predators
- Nov 2023 **W. Wright Robinson ('74, '78) Endowed Graduate Research Award in Ecological, Evolutionary and Organismal Biology**, *Department of Biological Sciences, Old Dominion University*, Norfolk, VA, USA, \$1,500  
Estimates of taxonomic and functional diversity in avian communities as a function of time-dependent vocal activity
- Aug 2023 **Conference Award**, *Biology Graduate Student Organization, Old Dominion University*, Norfolk, VA, USA, \$320
- Mar 2023 **Bob Ake Research Grant**, *Coastal Virginia Wildlife Observatory*, Lightfoot, VA, USA, \$500  
Nest predation as a threat to breeding birds in urban environments of coastal Virginia
- Mar 2023 **Washington Biologists Field Club Research Award**, *Washington Biologists' Field Club*, Washington, D.C., USA, \$1,667  
Intensity and sources of nest predation along an urban gradient
- Feb 2023 **Larry Zeleny Research Grant**, *North American Bluebird Society*, Bloomington, IN, USA, \$1,650  
Variation in predation risk for cavity-nesting bird species along an urban gradient
- Nov 2021 **Travel Grant**, *International Student Advisory Board, Old Dominion University*, Norfolk, VA, USA, \$100  
For participation in the International Congress for Conservation Biology 2021
- Mar 2021 **Small Equipment Grant**, *IdeaWild*, Fort Collins, CO, USA, \$350  
The effects of urbanization on forest avian assemblage's structure
- Aug 2020 – May 2022 **Fulbright Graduate Student Program**, *U.S. Department of State*, New York, NY, USA, \$38,517
- Jun 2019 **Small Field Biology Grant**, *Dovkolabotanika*, Kyiv, Ukraine, UAH 10,500 (≈ \$500)  
Factors affecting the structure of forest birds' assemblages

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## Awards and Honors

- Apr 2026 **Runner-up: Best PhD Student Presentation for the Biology Graduate Student Organization Symposium**, *Old Dominion University*, Norfolk, VA, USA
- May 2026 **Harold G. Marshall and Vivian J. Marshall Endowed Scholarship**, *Department of Biological Sciences, Old Dominion University*, Norfolk, VA, USA
- Sep 2025 **Graduate School General Scholarship**, *Old Dominion University*, Norfolk, VA, USA
- Mar 2025 **2nd Best PhD Student Presentation for the Biology Graduate Student Organization Symposium**, *Old Dominion University*, Norfolk, VA, USA
- Dec 2024 **Outstanding Graduate Teaching Assistant**, *Department of Biological Sciences, Old Dominion University*, Norfolk, VA, USA

- Jun 2024 **Virginia S. Bagley Endowed Scholarship**, *Department of Biological Sciences, Old Dominion University, Norfolk, VA, USA*
- May 2024 **Woolcott Best Student Presentation Award in Natural History and Biodiversity**, *Virginia Academy of Science, Richmond, VA, USA*
- Feb 2024 **Student Membership Award**, *Society for the Study of Evolution, St. Louis, MO, USA*
- Jan 2022 **Student Membership Award**, *American Ornithological Society, Chicago, IL, USA*
- Nov 2021 **3MT (Three-minute thesis) competition**, *Old Dominion University, Norfolk, VA, USA, Finalist*  
Rare, distinct, not yet extinct: unique birds and where to protect them
- Nov 2021 **Graduate Map Competition**, *2021 GIS Day at Old Dominion University, Norfolk, VA, USA, 2nd place*  
Mapping the functional rarity of birds across the continent
- Apr 2019 **Best Presentation**, *International Zoological Conference "Ukrainian fauna on the verge of XX-XXI century. Status and biodiversity of ecosystems of protected areas", Lviv, Ukraine, 2nd place*  
Species composition of mixed bird flocks in urban greenery of Lviv (Ukraine) during the non-breeding season
- Sep 2019 **Best Student Oral Report in Zoology Section**, *XV International Scientific Conference for Students and PhD Students "Youth and Progress of Biology", Lviv, Ukraine, 1st place*  
Seasonal dynamics of avian community structure in urban greenery in Lviv
- Nov 2018 **Best Oral Report**, *XIII International Young Scientists' Conference "Biology: from a molecule up to the biosphere", Kharkiv, Ukraine, 1st place*  
Habitat factors associated with the variability of structure and species composition of breeding bird communities in urban greenery in Lviv
- Nov 2017 **Best Student Oral Report in Zoology Section**, *XIII International Scientific Conference for Students and PhD Students "Youth and Progress of Biology", Lviv, Ukraine, 2nd place*  
Point count method in studying winter bird assemblages of urbanized biotopes
- Apr 2015 **Best Science Project in Zoology and Botany**, *National Ukrainian Competition of Scientific Research Works of Students-Members of the Minor Academy of Sciences of Ukraine, Kyiv, Ukraine, 3rd place*  
Biotopic distribution of wintering birds in Lviv and outskirts

## Software Developed

- in progress **enfiltest**, *R package: Detection of Traits Selected by Environmental Filters in Community Assembly*, A set of tools for statistical testing of trait importance along an environmental gradient
- 2025 **FilterABM**, *R package: An Agent-based Model of Trait-based Environmental Filtering*, A self-contained agent-based model implementing the S3 object-oriented system

2022 **ancends**, *R package: Simple Analysis of Community Structure*, A toolbox of common indices in community ecology

## Skills

	Level	Skill	Years	Comment
Languages	■■■■■	English	9	<i>TOEFL iBT (2019)</i>
	■■■■■	Ukrainian		<i>Native</i>
	■■■■■	Russian		<i>Native (prefer not to speak)</i>
	■■■□□	Polish	5	<i>Sufficient for understanding</i>
Programming	■■■■■	R	9	<i>With extensive usage of tidyverse</i>
Languages	■■■■■	Python	6	
	■■■□□	Bash	6	
	■■■□□	LATEX	6	
	■□□□□	SQL	5	
	■□□□□	NetLogo	6	
	■□□□□	JavaScript	8	<i>Limited usage within Google Earth Engine</i>
	■□□□□	Fortran	2	<i>Very basic knowledge</i>
OS	■■■■■	Windows	17	<i>Daily use</i>
	■■■■■	Linux	6	<i>Switched to Ubuntu as primary OS</i>
	■■■□□	Raspberry Pi OS	5	<i>Superficial experience with electronics</i>
Software	■■■■■	ArcGIS	5	
	■■■■■	QGIS	7	

## Professional Development

**Technician License**, *Federal Communications Commission*, Washington, DC, USA, 2024

**Signal Extraction in Kaleidoscope Lite**, *Wildlife Acoustics*, Maynard, Massachusetts, USA (online), 2024

**Data Science Bootcamp**, *Old Dominion University*, Norfolk, Virginia, USA, 2024

**Vector Solutions**, *Old Dominion University*, Norfolk, Virginia, USA (online)

- Sexual Harassment Prevention Training (2024)
- 15-Passenger Van Safety (2023)

**Collaborative Institutional Training Initiative**, *Old Dominion University*, Norfolk, Virginia, USA (online)

- Reducing Pain and Distress in Laboratory Mice and Rats (2023)
- Wildlife Research (2022)
- OSHA Bloodborne Pathogens (2022)
- NIH Recombinant DNA (rDNA) Guidelines (2022)
- Investigators, Staff and Students (2022)
- Conflicts of Interest (2022)
- Training for Investigators, Staff and Students Handling Biohazards (2020)
- Biomedical Responsible Conduct of Research (2020)

**LinkIn Learning**, *Old Dominion University*, Norfolk, Virginia, USA (online)

- Raspberry Pi Essential Training (2022)
- Building Data Apps with R and Shiny (2022)
- Code Clinic: R (2022)
- R Essential Training Part 2: Modeling Data (2022)
- SQL Essential Training (2022)

**Faculty and Instructor Sexual Harassment Training**, *Old Dominion University*, Norfolk, Virginia, USA, 2023

**Graduate Teaching Assistant Instructor's Institute**, *Old Dominion University*, Norfolk, Virginia, USA, 2022

**Workshop on Quantitative Methods for Population Dynamics in R**, *French National Centre for Scientific Research*, Paris, France (online), 2022

**Python 3 Programming Specialization**, *University of Michigan (via Coursera)*, Norfolk, VA, USA (online), 2020

**Geographic Information Systems and Protected Areas Workshop**, *SCGIS Ukraine*, Kharkiv, Ukraine, 2020

**Introduction to Calculus**, *University of Sidney (via Coursera)*, Lviv, Ukraine (online), 2020

**General Principles of Statistics**, *Bioinformatics Institute*, Saint Petersburg, Russian Federation (online), 2018

**Data Analysis in R**, *Bioinformatics Institute*, Saint Petersburg, Russian Federation (online), 2018

**BirdID**, *Nord University*, Lviv, Ukraine, 2017

Exam on sight and sound identification of birds (national level – Ukraine)

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## Presentations, Seminars, Talks, and Meetings

Note: underscored names correspond to presenter(s)

- [35] Dubovyk, O. 2026. How I learned to stop worrying and love agent-based modeling. **Presentation for the Biology Graduate Student Organization Spring Symposium 2026** (Apr 04, 2026, Old Dominion University, Norfolk, Virginia, USA).
- [34] Young, K., O. Dubovyk, O., E.L. Walters. 2026. Evaluation of BirdNet Analyzer parameters to accurately reflect avian soundscape along an urban gradient. **Presentation for the Biology Graduate**

- Student Organization Spring Symposium 2026* (Apr 04, 2026, Old Dominion University, Norfolk, Virginia, USA).
- [33] Dubovyk, O., E.L. Walters. 2026. Urbanization and nest type predict predator response to artificial nests. **Presentation** for the *Ecological Society of America Mid-Atlantic Chapter Annual Meeting* (Mar 28, 2026, Towson University, Towson, Maryland, USA).
- [32] Dubovyk, O., E.L. Walters. 2025. Who stole my eggs? Nest type and level of urbanization as predictors of foraging decisions in potential nest predators. **Poster Presentation** for the *27th Annual Tidewater Student Research Poster Session* (Nov 21, 2025, Christopher Newport University, Newport News, Virginia, USA).
- [31] Dubovyk, O., E.L. Walters. 2025. Searching for a tool to detect functional traits affected by environmental filters in community assembly. **Contributed Talk** for the *Ecological Society of America Annual Meeting* (Aug 13, 2025, Baltimore, Maryland, USA).
- [30] Dubovyk, O. 2025. Birdwatchers across North America tend to survey birds in the morning for no apparent reason. **Presentation** for the *2nd Graduate Student Government Association Annual Research Conference* (Apr 11, 2025, Old Dominion University, Norfolk, Virginia, USA).
- [29] Dubovyk, O., E.L. Walters. 2025. Metrics of observed taxonomic bird diversity vary by time of day. **Presentation** for the *Biology Graduate Student Organization Spring Symposium 2025* (Mar 29, 2025, Old Dominion University, Norfolk, Virginia, USA).
- [28] Dubovyk, O. 2025. Community-based science, avian diversity, and sleepy birders: Surveying avian communities in morning hours introduces biases to observed taxonomic and functional diversity. **Invited Seminar** for the *Institute of Biology at University of Rzeszów* (Jan 17, 2025, Rzeszów, Poland).
- [27] Dubovyk, O. 2024. Effects of dispersal and spatial configurations in environmental conditions explain composition of ecological communities under trait-based environmental filtering. **Invited Symposium Presentation** for the *3rd Joint Congress on Evolutionary Biology* (Jul 27, 2024, Montreal, Quebec, Canada).
- [26] Dubovyk, O., E. DiPetto, I. Peiris, E.L. Walters. 2024. Detection of diversity of coastal avian and mammalian fauna. **Presentation** for the *Virginia Academy of Science Annual Meeting 2024* (May 16, 2024, University of Mary Washington, Fredericksburg, Virginia, USA).
- [25] Sanderson, S., O. Dubovyk, H. Gaff, C. Wei, M. Zettle. 2024. ADTSIM 2.0: An updated simulation of American Dog Tick population dynamics and transmission of Rocky Mountain spotted fever. **Poster Presentation** for the *13th Mid-Atlantic Tick Summit* (Feb 29, 2024, Patuxent, Maryland, USA).
- [24] Dubovyk, O. 2024. FilterABM: an agent-based model of trait-based environmental filtering. **Presentation** for the *Biology Graduate Student Organization Spring Symposium 2024* (Feb 24, 2024, Old Dominion University, Norfolk – Portsmouth, Virginia, USA).
- [23] Dubovyk, O. 2024. Using motion-activated cameras to reveal nest predators across the Hampton Roads. **Invited Seminar** for the *Department of Biological Sciences at Old Dominion University* (Jan 26, 2024, Norfolk, Virginia, USA).
- [22] Dubovyk, O. 2024. Foraging decisions of potential nest predators along an urban gradient across Hampton Roads (Virginia, USA). **Invited Seminar** for the *Institute of Biology at University of Rzeszów* (Jan 11, 2024, Rzeszów, Poland).
- [21] Dubovyk, O. 2023. Nest predation and predators across Hampton Roads. **Invited Talk** for *Cape Henry Audubon Society* (Nov 15, 2023, Norfolk, Virginia, USA).

- [20] Dubovyk, O. 2023. Confirming the insurance effect of rare species in ecological communities using an agent-based model. **Poster Presentation** for the *Ecological Society of America Annual Meeting* (Aug 8, 2023, Portland, Oregon, USA).
- [19] Dubovyk, O., Y. Tsai-Chen, G. Bowers. 2023. Functional structure of avian communities in islands of urban habitats determined by regional species pool and communities of other cities. **Presentation** for the *Biology Graduate Student Organization Spring Symposium 2023* (Apr 1, 2023, Old Dominion University, Norfolk, Virginia, USA).
- [18] Dubovyk, O., C. Wei, M. Shiri. 2022. Where's Birdo: identifying bird hotspots in Hampton Roads (VA) using citizen science data. **Poster Presentation** for the *24th Annual Tidewater Student Research Poster Session* (Nov 18, 2022, Christopher Newport University, Newport News, Virginia, USA).
- [17] Dubovyk, O., C. Wei, M. Shiri. 2022. Predicting patterns of diversity and occurrence of birds across Hampton Roads. **Presentation** for the *Hampton Roads Datathon* (Sep 16, 2022, Civic Lab Norfolk, Norfolk, Virginia, USA).
- [16] Dubovyk, O. 2022. Bird species rarity as an indicator of their regional functional distinctiveness. **Poster Presentation** for the *Biology Graduate Student Organization Spring Symposium 2022* (Apr 2, 2022, Old Dominion University, Norfolk, Virginia, USA).
- [15] Dubovyk, O. 2021. Rare, distinct, not yet extinct: unique birds and where to protect them. **Talk** for the *Three-Minute Thesis Competition* (Nov 30, 2021, Old Dominion University, Norfolk, Virginia, USA).
- [14] Dubovyk, O. 2021. High densities of protected areas predict a decrease in regional functional rarity among North American avian communities. **Presentation** for the *30th International Congress for Conservation Biology* (Dec 13-17, 2021, Society for Conservation Biology, Kigali, Rwanda (online)).
- [13] Dubovyk, O. 2021. Mapping the functional rarity of birds across North America. **Poster Presentation** for *Graduate Map Competition at 2021 GIS Day* (Nov 19, 2021, Old Dominion University, Norfolk, Virginia, USA).
- [12] Dubovyk, O. 2021. Agent-based modeling of birds' collisions with wind turbines. **Invited Talk** for *Zoological Club* (May 6, 2021, Ivan Franko National University of Lviv, Lviv, Ukraine (online)).
- [11] Dubovyk, O. 2020. An overview of species abundance distribution models. **Invited Talk** for *Zoological Club* (Nov 26, 2020, Ivan Franko National University of Lviv, Lviv, Ukraine (online)).
- [10] Dubovyk, O. 2020. Patterns of diversity-sample size relationship on the example of winter bird community in the "Roztochya" Nature Reserve. **Presentation** for the *XVI International Scientific Conference "Youth and Progress of Biology"* (Apr 27-29, 2020, Ivan Franko National University of Lviv, Lviv, Ukraine).
- [9] Dubovyk, O. 2020. Diversity levels as a function of species dominance within a community and its dependence on sample size. **Departmental Seminar** for *Department of Zoology* (Mar 5, 2020, Ivan Franko National University of Lviv, Lviv, Ukraine).
- [8] Dubovyk, O. 2019. Species composition of mixed bird flocks in urban greenery of Lviv (Ukraine) during the non-breeding season. **Presentation** for the *Zoological Conference "Fauna on the edge of XX-XXI centuries. State and diversity of ecosystems in protected areas"* (Sep 12-15, 2019, Shatsk National Nature Park, Lviv and Shatsk, Ukraine).
- [7] Dubovyk, O. 2019. Seasonal dynamics of avian community structure in urban greenery in Lviv. **Poster Presentation** for the *XV International Scientific Conference "Youth and Progress of Biology"* (Apr 9-10, 2019, Ivan Franko National University of Lviv, Lviv, Ukraine).

- [6] Dubovyk, O. 2018. Habitat factors associated with the variability of structure and species composition of breeding bird communities in urban greenery in Lviv. **Presentation for the XIII International Young Scientists Conference "Biology: From a Molecule Up to the Biosphere"** (Nov 28-30, 2018, V. N. Karazin Kharkiv National University, Kharkiv, Ukraine).
- [5] Dubovyk, O. 2018. The importance of urban greenery in Lviv for preserving biodiversity among birds in city. **Presentation for the Scientific Conference "State and biodiversity of ecosystems of Shatsk National Nature Park and other protected areas"** (Sep 13-16, 2018, Shatsk National Nature Park, Shatsk, Ukraine).
- [4] Dubovyk, O. 2018. Winter bird assemblages in urban greenery in Lviv, Ukraine. **Presentation for the XIV International Scientific Conference "Youth and Progress of Biology"** (Apr 10-12, 2018, Ivan Franko National University of Lviv, Lviv, Ukraine).
- [3] Dubovyk, O., H. Kuzyo. 2017. Comparison of avian communities in cemeteries and urban parks of Lviv. **Presentation for the Scientific Conference "State and biodiversity of ecosystems of Shatsk National Nature Park and other protected areas"** (Sep 7-10, 2017, Shatsk National Nature Park, Shatsk, Ukraine).
- [2] Dubovyk, O., H. Kuzyo. 2017. Point count method in studying winter bird assemblages of urbanized biotopes. **Presentation for the XIII International Scientific Conference "Youth and Progress of Biology"** (Apr 25-27, 2017, Ivan Franko National University of Lviv, Lviv, Ukraine).
- [1] Kuzyo, H., O. Dubovyk. 2016. Avifauna of areas with different land use in Lviv suburbs. **Presentation for the Scientific Conference "State and biodiversity of ecosystems of Shatsk National Nature Park and other protected areas"** (Sep 8-11, 2016, Shatsk National Nature Park, Shatsk, Ukraine).

## Teaching and Mentoring

### Teaching Materials

- [3] Dubovyk, O (*In progress*). An Introduction to Community Ecology (in Ukrainian).
- [2] Dubovyk, O (*In progress*). Quick R/Python Beginner Guide for Ecologists.
- [1] Dubovyk, O, ed. (*In progress*). BIOL 336 Vertebrate Zoology Lab Reference Guide.

### Teaching Assistantship

Spring 2022 – **BIOL 336 Vertebrate Zoology Lab Graduate Teaching Assistant**, *Department of Biological Sciences, Old Dominion University, Norfolk, VA, USA, total 15 credits*

- taught 166 junior/senior undergraduate students over 4 semesters
- preparing vertebrate specimens to teach identification skills for a diverse audience of junior and senior non-traditional undergraduate students
- designing pre-lab lectures on key identification characteristics of vertebrates
- preparing, proctoring, and grading slides- and specimen-based quizzes and exams
- suggested and implemented changes to syllabus and independent development of lab policies
- directed an activity resulted in preparing a student-led educational guide

Fall 2022 **BIOL 124N General Biology for Non-Majors II Lab Graduate Teaching Assistant**, *Department of Biological Sciences, Old Dominion University, Norfolk, VA, USA, 3 credits*

- delivery of topics in biology for non-biological audience of 57 freshmen undergraduate students
- mentoring students who wished to change their major to Biology

## Workshops and Service

Spring 2026 **Workshop Instructor**, *Biology Graduate Student Organization R club*, Norfolk, VA, USA, 9 hrs

- led workshops on basic syntax and functional / object-oriented programming in R

Fall 2024 **Workshop Instructor**, *Informal Graduate Workshop on Quantitative Ecology*, Old Dominion University, Norfolk, VA, USA, 2 hrs

- led workshops to improve skills in data management and analysis using tidyverse in R

## Tutoring

Oct 2024 – **Biology Mentor**, *Studmentor Program, Teach for Ukraine | UNICEF | Global Partnership for Education*, Kyiv, Ukraine, 56 hrs

Jan 2025

- helping Ukrainian middle and high school students from the areas affected by war to overcome educational losses

Jun 2023 – **Biology Mentor**, *REYES Mentorship Program*, University of California, Berkeley, Berkeley, CA, USA, 30 hrs

Aug 2023

- mentoring three high school students from around the world in their independent research on topics in behavioral ecology

## Mentorship

### Undergraduate Students

2025-2026 **Kaitlyn Young**, *undergraduate student / Federal Work-Study Program intern*, Old Dominion University, Norfolk, VA, USA, Analysis of avian soundscapes along an urban gradient

2025 **Hope Dutch**, *undergraduate student / Federal Work-Study Program student*, Old Dominion University, Norfolk, VA, USA, Explaining basic syntax and use of Python programming language for research in ecology

2023 **Kaitlin Rivera**, *BS with major in Biology*, Old Dominion University, Norfolk, VA, USA, Training on data handling and analysis to identify the responses of the periwinkle snail (*Littoraria irrorata*) populations to saltmarsh restoration efforts

### Graduate Students

2026 **Ostap Ivanochko**, *MS student*, Ukrainian Catholic University, Lviv, Ukraine, Supplied data for a machine learning project to estimate non-parametric differences between avian sound events

2025-2026 **Anna Kupriy**, *MS student*, Ivan Franko National University of Lviv, Lviv, Ukraine, Training on data analysis and theoretical ecology behind patterns of avian biodiversity along urbanization gradients in Ukraine

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## Service

### Professional Service

Aug 2025 – **Research Conference Chair**, *Graduate Student Government Association at Old Dominion University*, Norfolk, Virginia, USA

May 2026

Apr 2025 – **Vice President**, *Biology Graduate Student Organization at Old Dominion University*, Norfolk, Virginia, USA

May 2026

- Aug 2024 – **Student Representative**, *Assistant Professor in Quantitative Biology Job Search Committee, Department of Biological Sciences, Old Dominion University, Norfolk, Virginia, USA*  
 May 2025
- Apr 2024 – **Student Member**, *University Accountability Board at Old Dominion University, Norfolk, Virginia, USA*  
 May 2025
- Apr 2024 – **Secretary**, *Biology Graduate Student Organization at Old Dominion University, Norfolk, Virginia, USA*  
 Apr 2025
- Jan 2024 – **Secretary / Co-founder**, *Old Dominion University Birding Club, Norfolk, Virginia, USA*  
 Dec 2024
- Apr 2023 – **President**, *Biology Graduate Student Organization at Old Dominion University, Norfolk, Virginia, USA*  
 Apr 2024
- Feb 2019 – **Secretary / Board Member**, *West-Ukrainian Ornithological Society, Lviv, Ukraine*  
 Aug 2020
- Jan 2019 – **Secretary**, *Zoological Club at Ivan Franko National University of Lviv, Lviv, Ukraine*  
 Dec 2019
- Mar 2018 – **Co-founder / President**, *Zoological Club at Ivan Franko National University of Lviv, Lviv, Ukraine*  
 Dec 2018

#### Peer Reviewer

- Behavioral Ecology and Sociobiology (1 co-review)
- Bird Study (1 review)
- Community Ecology (2 reviews)
- Ecology Letters (1 co-review)
- Forest Ecology and Management (4 reviews, 2 co-reviews)
- Journal of Field Ornithology (1 co-review)
- Ornithological Applications (1 co-review)
- Urban Forestry & Urban Greening (6 reviews)
- Wilson Journal of Ornithology (1 co-review)

#### Conference Service

- Sep 2025 - **Graduate Submissions Coordinator**, *Knowledge & Creativity Expo, Old Dominion University, 22 Apr 2026, Norfolk, VA, USA*
- Apr 2026 **Editor**, *Biology Graduate Student Organization Spring Symposium 2026, Old Dominion University, 04 Apr 2026, Norfolk, VA, USA*
- Mar 2026 **Judge for Undergraduate Presentations**, *2026 Annual Meeting, Ecological Society of America - Mid-Atlantic Chapter, 28 Mar 2026, Towson, MD, USA*
- Mar 2026 **Head Judge - Biological Sciences**, *Tidewater Science and Engineering Fair, Tidewater Science Congress, 21 Mar 2026, Norfolk, VA, USA*
- Feb 2026 **Judge**, *Middle School Science Fair, Norfolk Christian Schools, 12 Feb 2026, Norfolk, VA, USA*

- Mar 2025 **Editor**, *Biology Graduate Student Organization Spring Symposium 2025*, Old Dominion University, 29 Mar 2025, Norfolk, VA, USA
- Mar 2024 **Judge - Biological Sciences**, *Tidewater Science and Engineering Fair*, Tidewater Science Congress, 10 Mar 2024, Norfolk, VA, USA
- Feb 2024 **Chair / Editor**, *Biology Graduate Student Organization Spring Symposium 2024*, Old Dominion University, 24 Feb 2024, Norfolk – Portsmouth, VA, USA
- Aug 2023 **Session Moderator Volunteer – Urban Ecology, Functional Ecology**, *ESA Annual Meeting*, Ecological Society of America, 6 – 11 Aug 2023, Portland, OR, USA

## Outreach Events

- [12] Reign in Science: Bone to be wild (open event targeting approx. 520 K-12 students and families), *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 10 Oct 2025
- [11] College Connections Event: Organismal Biology Lab, *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 21 Aug 2025
- [10] Admitted Students Day: Zoology Lab, *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 5 Apr 2025
- [9] Open House Event: Zoology Lab, *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 8 Feb 2025
- [8] Photo Exhibition "Ptaki Ameryki Północnej" ("Birds of North America"), *Rzeszów University*, Rzeszów, Poland, 10–24 Jan 2025
- [7] Open House Event: Zoology Lab, *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 26 Oct 2024
- [6] Installing Bluebird Nest Boxes, *Wildlife Club Meeting at Churchland High School*, Portsmouth Virginia, USA,
- [5] Dangers of fieldwork, *Wildlife Club Meeting at Churchland High School*, Portsmouth Virginia, USA, 18 May 2023
- [4] Wildlife Club Meeting, *Churchland High School*, Portsmouth, Virginia, USA, 27 Apr 2023
- [3] Scholar's Day: Zoology Labs, *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 11 Feb 2023
- [2] Open House Event: General Biology Labs, *Department of Biological Sciences at Old Dominion University*, Norfolk, Virginia, USA, 19 Nov 2022
- [1] "Bird Point Count in Lviv", *Suspilne Radio Lviv*, Lviv, Ukraine, 9 Dec 2019

## Membership in Professional Societies

- since 2024 **American Society of Naturalists**, USA
- since 2024 **Society for the Study of Evolution**, USA
- since 2023 **Ecological Society of America**, USA
- since 2023 **Wilson Ornithological Society**, USA
- since 2022 **Animal Behavior Society**, USA
- since 2022 **American Ornithological Society**, USA

since 2021 **Biology Graduate Student Organization**, *Old Dominion University*, Norfolk, VA, USA

since 2015 **West-Ukrainian Ornithological Society**, *Lviv, Ukraine*

since 2015 **Ukrainian Society for the Protection of Birds (BirdLife International Chapter)**, *Kyiv, Ukraine*

## References

References available upon request.

Latest update: May 10, 2026