

Viorel Dan Popescu, PhD

Ohio University, Biological Sciences
423 Irvine Hall, Athens OH, 45701, USA

Web: <http://vioreldpopescu.com>

Phone: (740) 541 0105; E-mail: popescu@ohio.edu

EDUCATION

PhD	Wildlife Ecology	University of Maine, Orono, ME, USA	2011
MSc	Conservation Biology	SUNY-ESF, Syracuse, NY, USA	2007
BSc	Environmental Science	University of Bucharest, Romania	2001

PROFESSIONAL APPOINTMENTS

- 2021 - Present** *Associate Professor of Conservation Biology*, Ohio University, Biological Sciences, Athens OH
- 2016 - 2021** *Assistant Professor of Conservation Biology*, Ohio University, Biological Sciences, Athens OH
- 2012 - Present** *Researcher*, University of Bucharest, Centre for Environmental Research, Romania
- Spatial planning and large carnivore ecology in the Romanian Carpathians
- 2012 - 2015** *David H. Smith Conservation Research Fellow*, Simon Fraser Univ. & Univ. of California, Santa Cruz
- Systematic conservation planning in British Columbia
 - Endangered and invasive amphibians research in British Columbia
 - Pacific fisher ecology and conservation in Sierra Nevada
- 2011 – 2012** *Postdoctoral Researcher*, University of California - Berkeley, ESPM
- Hierarchical modeling of wildlife data (snamp.cnr.berkeley.edu/)
- 2000 – 2008** *Research Assistant*, University of Bucharest, Centre for Environmental Research (CCMESI)
- Large carnivore ecology, conservation prioritization for large carnivores
 - Reptile conservation: habitat suitability analysis, environmental education

Teaching

- Ohio University BIOS 4810/5810 *Animal Conservation Biology* (3 CR; 60-70 students, Spring)
 BIOS 4770/5770 *Population Ecology* (3 CR; 10-15 students, Fall)
 BIOS 3690 *Wildlife Habitat Management* (3 CR; 20-25 students, Fall)
 BIOS 7970 *Seminar in Conservation Biology* (2 CR; 5-10 students, Spring)
 CAS 1415 *Introduction to Sustainability* (3 CR, 25-35 students, Spring and Fall 2016-20)
- U of Bucharest *Scientific writing and communication* (4 CR; 30 students) (2015)
- Simon Fraser U *Renewable energies and Biodiversity: Conflicts and opportunities* (undergraduate seminar; 2 CR; 36 students) (2014)
- SUNY-ESF *Introduction to Conservation Biology* (3 CR; 85 students) - Teaching Assistant (2007)
Geographic Modeling (3 CR; 12 students) - Teaching Assistant (2007)
Herpetology (4 CR; 93 students) - Teaching Assistant (2006)
 Cranberry Lake Biological Station – *Ecological Monitoring: techniques for Herpetology* (1-week field course; 60 students) (2006)

FELLOWSHIPS

- 2012-14 David H. Smith Conservation Research Fellowship, Society for Conservation Biology
- 2010-11 Maine Economic Improvement Fund Doctoral Dissertation Fellowship, University of Maine
- 2010 George F. Dow Graduate Scholarship, University of Maine
- 2005-07 Fulbright Scholarship, U.S. Department of State and SUNY-ESF, Syracuse NY

PUBLICATIONS

Books and book chapters

1. Hunter, M.L., J.P. Gibbs, and V.D. Popescu (2021) **Fundamentals of Conservation Biology**, 4th edition, Wiley
2. Böhm, M., and Popescu, V.D. (2016) *Landscape ecology, macroecology and GIS methods*. Pages 298-314 In C.K. Dodd (ed.) *Reptile Ecology and Conservation*, Oxford University Press
3. Popescu, V.D. and M.L. Hunter (2012) *Assisted colonization of wildlife species at risk from climate change*. In J. Brodie, E. Post, D. Doak (eds.) *Conserving wildlife populations in a changing climate*. U Chicago Press.
4. Popescu, V.D. and J.P. Gibbs (2009) *Landscape Ecology and GIS methods*. In C.K. Dodd (ed.) *Amphibian Ecology and Conservation*, Oxford University Press
5. Popescu, V.D. and J.P. Gibbs (2008) *Global Change: will a cold-adapted frog survive in a warmer environment?* In J.P. Gibbs, M.L. Hunter, and E.J. Sterling (eds.) *Problem-Solving in Conservation Biology and Wildlife Management*, Blackwell Publishing

Peer-reviewed articles (undergraduate and graduate* student collaborators)

Published, in press, accepted

63. Pop, M.I., M. Dyck*, L. Rozyłowicz, and V.D. Popescu (accepted) *Predictors of brown bear livestock predation events in the Romanian Carpathians*. **Conservation Science and Practice**
62. Pop, M.I., S.R. Gradinaru, V.D. Popescu, D. Haase, C.I. Iojă (accepted) *Emergency-line calls as an indicator to assess human-wildlife interaction in urban areas*. **Ecosphere**
61. Sperry, B.R., V.D. Popescu, E. Wyza*, S. Porter, R. Wiley, D. Cottrill*, and D. McAvoy (accepted) *Assessment of deer-vehicle crash mitigation structures on the U.S. 33 Nelsonville Bypass*. **Journal of Transportation Engineering**
60. Dyck, M.*, R. Iosif, B. Promberger, C. Promberger, and V.D. Popescu (2022) *A multispecies occupancy analysis of lynx, wildcat, and wolf in the Romanian Carpathians*. **Ecology and Evolution** 12: e8921
59. Thompson, C.*, M.R. Sweeney, and V.D. Popescu (2022) *Carryover effects of sublethal exposure to pesticide Imidacloprid and shortened hydroperiod on juvenile wood frog fitness and behavior*. **Journal of Zoology**
58. Iosif, R., V.D. Popescu, M. Dyck*, and B. Promberger (accepted) *Estimating Eurasian lynx (*Lynx lynx*) density using camera traps in the Romanian Carpathians*. **Journal of Mammalogy** 317: 229-240
57. Yinju, J., C.C.M. Baker, V.D. Popescu, J. Wang, C. Wu, Z. Wang, Y. Li, L. Wang, C. Hua, C. Yang, C.C.Y. Xu*, Q. Wen, N.E. Pierce, and D.W. Yu (2022) *Large-scale quantification of vertebrate biodiversity from leech iDNA in Ailaoshan Nature Reserve, China*. **Nature Communications** 13(1): 1555
56. Geue, J., P.J. Rotter*, C. Gross, Z. Benko, I. Kovacs, C. Fantana, V.D. Popescu and H.A. Thomassen (2022) *Bird species and habitat types have limited use as reciprocal surrogates and are inconsistently represented in the current Natura 2000 network in Romania*. **Plos ONE** 17(2): e0251950
55. Earl, J.E., S.M. Blomquist, E.B. Harper, D.J. Hocking, M.L. Hunter, Jr., J.R. Johnson, M.S. Osbourn, D.A. Patrick, V.D. Popescu, T.A.G. Rittenhouse, and B. Rothermel (2022) *Amphibian biomass export from geographically isolated wetlands: temporal variability, species composition, and potential implications for terrestrial ecosystems*. **Diversity** 14(3): 163
54. Popescu, V.D., M. Kenyon, R. Brown*, M. Dyck*, S. Prange, W. Peterman and C. Dennison (2021) *Habitat connectivity and resource selection in an expanding US Midwest bobcat population*. **PeerJ** 9: e12460
53. Dyck, M.*, E. Wyza*, and V.D. Popescu. 2021 *When carnivores collide: a review of competitive interactions between bobcats (*Lynx rufus*) and coyotes (*Canis latrans*)*. **Mammal Review** 52: 52-66
52. Popescu, V.D., M.I. Pop, and L. Rozyłowicz. 2021. *Trophy hunting undermines public trust*. **Science** 372: 1049 LP – 1049
51. Sweeney, M.R., C. Thompson*, and V.D. Popescu. 2021. *Sub-lethal exposure to neonicotinoid pesticide Imidacloprid induces behavioral changes in larval wood frogs (*Lithobates sylvaticus*)*. **Environmental Toxicology and Chemistry** 40: 1840-1849
50. Wagner, R.B., C. Brune, and V.D. Popescu. 2021. *Snakes on a lane: Snake road mortality is influenced by land cover and traffic intensity in a road-dense area of US Midwest*. **Journal for Nature Conservation** 61: 125978
49. Thompson, C.M.* and V.D. Popescu. 2021. *Hydro-period induced carryover responses for survival, growth, and endurance of a pond-breeding amphibian*. **Oecologia** 195: 1071–1081
48. Miu, I.*, L. Rozyłowicz, V.D. Popescu and P. Anastasiu. 2020. *Identification of areas of very high biodiversity value to achieve the EU Biodiversity Strategy for 2030 key commitments*. **PeerJ** 8: e10067

47. Popescu, V.D., R. Munshaw, N. Shackelford, F. Montesino-Pouzols, E. Dubman*, P. Gibeau*, M. Horne, A. Moilanen and W.J. Palen. 2020. *Quantifying biodiversity trade-offs in the face of widespread renewable and unconventional energy development*. **Scientific Reports** 10(1): 7603
46. Wyzza, E.*, L. Dollar, L. Rahajanirina, V.D. Popescu and N. Stevens. 2020. *Spatial dynamics and activity patterns of the Fosa (*Cryptoprocta ferox*): Village avoidance and forest corridor use in a human-influenced landscape*. **Oryx** 1:10
45. Iosif, R., M. I. Pop*, L. Rozyłowicz, S. Chiriac, R. M. Sandu, L. Berde, S. Szabó, V.D. Popescu. 2020 Den structure and selection of denning habitat by brown bears in the Romanian Carpathians. **Ursus** 31e5: 1-13
44. Treves, A., Santiago-Ávila, F.J.*, V.D. Popescu, Paquet, P.C., Lynn, W.S., Darimont, C.T., and Artelle, K.A. 2019. *Trophy hunting: Insufficient evidence*. **Science** 366: 435
43. Bencin, H.*, C. Rose, S. Prange and V.D. Popescu. 2019. *Roadkill and space use data predict vehicle-strike hotspots and mortality rates in a recovering bobcat (*Lynx rufus*) population*. **Scientific Reports** 9: 15391
42. D'Amore, D.*, M. Morris, and V.D. Popescu. 2019. *Invasive process does not produce 'invasive syndrome' in *Xiphophorus helleri-maculatus* hybrids*. **Animal Behaviour** 156: 79-85
41. Weigand, N.*, R. Wagner, C. Tonra, and V.D. Popescu. 2019. *Proximity to highways has limited influence on space use and physiology of terrestrial testudines*. **European Journal of Wildlife Research** 65: 80
40. Popescu, V.D., M.I. Pop*, S. Chiriac, and L. Rozyłowicz. 2019. *Romanian large carnivores at a crossroads*. **Science** 364: 1041
39. Brodie, B.S., V.D. Popescu, R. Iosif, C. Ciocanea, S. Manolache, G. Vanau, A.A. Gavriliadis, R. Serafim, and L. Rozyłowicz. 2019. *Non-lethal monitoring of longicorn beetle communities using generic pheromone lures and occupancy models*. **Ecological Indicators** 101: 330-340
38. Rozyłowicz, L., Bodescu F.P., Ciocanea C.M., Gavriliadis A.A., Manolache S., Matache M.L., Miu I.V., Moale C., Nita A., and V.D. Popescu. 2019. *Empirical analysis and modelling of Argos Doppler location errors in Romania*. **PeerJ** 7: e6362
37. Wood, C.*, V.D. Popescu, H. Klinck, J. Keane, R. J. Gutierrez, S. Sawyer, F. Atuo, and M. Z. Peery. 2019. *Detecting small population changes at landscape scales: A bioacoustic-site occupancy framework*. **Ecological Indicators** 98: 492-507 (CW and VDP had equal contributions)
36. Rozyłowicz, L., A. Nita, S. Manolache, V.D. Popescu, and T. Hartel. 2019. *Navigating protected areas networks for improving diffusion of conservation practices*. **Journal of Environmental Management** 230: 413-421
35. Miu, I.*, G. Chisamera, V.D. Popescu, R. Iosif, A. Nita, S. Manolache, V.D. Gavril*, I. Cobzaru and L. Rozyłowicz. 2018. *Conservation priorities for terrestrial mammals in Dobrogea Region, Romania*. **Zookeys** 792: 133-158
34. Rich, M., C. Thompson*, S. Prange, and V.D. Popescu. 2018. *Relative importance of habitat characteristics and interspecific interactions in determining terrestrial carnivore occurrence*. **Frontiers in Ecology and Evolution** 6:78
33. Pop., M.*, L. Bereczky, S. Chiriac, R. Iosif, A. Nita, V.D. Popescu, and L. Rozyłowicz. 2018. *Movement ecology of brown bears (*Ursus arctos*) in the Romanian Eastern Carpathians*. **Nature Conservation** 26: 15-31
32. Pop, M.I.*, I. Ruben, I.V. Miu*, S. Chiriac, L. Rozyłowicz, and V.D. Popescu. 2018. *Combining resource selection functions and home range to identify conservation priorities for brown bears*. **Animal Conservation** 21: 352-362
31. Nita, A., S. Manolache*, C.M. Ciocanea, V.D. Popescu, and L. Rozyłowicz. 2018. *Power, influence and structure in Natura 2000 governance networks. Can NGOs make a difference as protected areas administrators in Romania?* **Journal of Environmental Management** 212: 54-64
30. Popescu, V.D., R. Iosif, M. Pop*, S. Chiriac, G. Bouros*, and B.J. Furnas. 2017. *Integrating sign surveys and home range data for estimating brown bear (*Ursus arctos*) density in the Romanian Carpathians*. **Ecology and Evolution** 7: 7134-7144
29. Rozyłowicz, L., A. Nita, S. Manolache*, C.M. Ciocanea, and V.D. Popescu. 2017. *Recipe for success: A network perspective of partnership in nature conservation*. **Journal for Nature Conservation** 38: 21-29
28. Nita, A.*, L. Rozyłowicz, S. Manolache*, C. M. Ciocănea*, I. V. Miu* and V. D. Popescu. 2016 *Collaboration networks in LIFE Nature projects across Europe*. **PLoS ONE** 11(10): e0164503
27. Yang, C., D.A. Schaefer, W. Liu, V.D. Popescu, C. Yang, X. Wang, C. Wu, and D.W. Yu. 2016 *Higher fungal diversity reduces CO2 emissions from dead wood in a natural forest*. **Scientific Reports** 6:31066
26. Popescu, V.D., K. Artelle*, M.I. Pop*, S. Manolache*, and L. Rozyłowicz. 2016. *Assessing biological realism of wildlife population estimates in data-poor systems*. **Journal of Applied Ecology** 53(4): 1248-1259
25. Sweitzer, R. A., V.D. Popescu, R. H. Barrett, C. M. Thompson, K. L. Purcell, G.M. Wengert, M.W. Gabriel, and L.W. Woods. 2016. *Mortality risks and limits to population growth of fishers*. **Journal of Wildlife Management** 80:438-451
24. Sweitzer, R., V.D. Popescu, K.L. Purcell, C.M. Thompson, and R.H. Barrett. 2015. *Reproduction, abundance and population growth for a fisher (*Pekania pennanti*) population in the Sierra National Forest, California*. **Journal of Mammalogy** 96: 772-790

23. Murray, R.* , V.D. Popescu, W. Palen, and P. Govindarajulu. 2015. *Relative performance of ecological niche and occupancy models for predicting the extent of invasive species*. **Biological Invasions** 17:2691-2760
22. Popescu, V.D., R. Sweitzer, and P. de Valpine. 2014. *Testing the consistency of wildlife data types before combining them: the case of camera traps and telemetry*. **Ecology and Evolution** 4(7):933-943
21. Souther, S., M. Tingley, V.D. Popescu, D. Hayman, T. Graves, M. Ryan, B. Hartl and K. Terrell. 2014. *Biotic impacts of energy development from shale: research priorities and knowledge gaps*. **Frontiers in Ecology and Environment** 12:330-338 [featured in >50 media outlets: *The Guardian, Bloomberg, NPR, Vancouver Sun*]
20. Popescu, V.D., L. Rozyłowicz, A. Cucu*, I. Niculae and T. Hartel. 2014. *Species, habitats, society: An evaluation of research supporting EU's Natura 2000 network*. **PLoS ONE** 9(11): e113648
19. Mikoláš, M., M. Svoboda, V. Pouska, R. C. Morrissey, D. C. Donato, W. S. Keeton, T. Nagel, V.D. Popescu, J. Müller, C. Bässler, J. Knorn, L. Rozyłowicz, M. C. Enescu, V. Trotsiuk, P. Janda, H. Mrhalová, Z. Michalová, F. Krumm, and D. Kraus. 2014. *Comment on the "Opinion paper: Forest management and biodiversity": The role of protected areas is greater than the sum of its number of species*. **Web Ecology** 14: 61-64
18. Hartel, T., T. Sos, V.D. Popescu, R. I. Băncilă, D. Cogalniceanu, and L. Rozyłowicz. 2014. *Amphibian conservation in traditional cultural landscapes: the case of Central Romania*. **North-Western Journal of Zoology** 10(S1):51-61
17. Eck, B., A. Byrne, D.A. Patrick, V.D. Popescu, and E.B. Harper. 2014. *Effects of water temperature on larval amphibian predator-prey dynamics*. **Herpetological Conservation and Biology** 9(2):302-308
16. Popescu, V.D., A.M. Kissel*, M.M. Pearson*, W.J. Palen, P. Govindarajulu, and C.A. Bishop. 2013. *Defining conservation-relevant habitat selection by the highly imperiled Oregon Spotted Frog, *Rana pretiosa**. **Herpetological Conservation and Biology** 8: 688-706.
15. Popescu, V.D., L. Rozyłowicz, D. Cogalniceanu, A. Cucu*, and I. Niculae. 2013. *Moving into protected areas? Setting priorities for conservation for Romanian reptiles and amphibians at risk from climate change*. **PLoS ONE** 8: e79330.
14. Iosif, R.* , L. Rozyłowicz and V.D. Popescu. 2013. *Modeling road mortality hotspots for Eastern Hermann's tortoise in Romania*. **Amphibia-Reptilia** 34: 163-172.
13. Rozyłowicz, L. and V.D. Popescu. 2013. *Habitat selection and movement ecology of Eastern Hermann's tortoises in a rural Romanian landscape*. **European Journal of Wildlife Research** 59: 47-55.
12. Popescu, V.D., P. de Valpine, D. Tempel*, and M.Z. Peery. 2012. *Estimating population impacts via dynamic occupancy analysis of Before-After Control-Impact studies*. **Ecological Applications** 22: 1389-1404.
11. Popescu, V.D., D.A. Patrick, M.L. Hunter, and A.J.K. Calhoun. 2012. *The role of forest harvesting and subsequent vegetative regrowth in determining patterns of amphibian habitat use*. **Forest Ecology Management** 270: 163-174.
10. Patrick, D.A., J.P. Gibbs, V.D. Popescu, and D.A. Nelson. 2012. *Multi-scale habitat-resistance models for predicting road mortality hotspots for reptiles and amphibians*. **Herpetological Conservation and Biology** 7: 407-426.
9. Patrick, D.A., E.B. Harper, V.D. Popescu, Z. Bozic, A. Byrne, J. Daub, A. LeCheminant, and J. Pierce. 2012. *The ecology of the Mink Frog, *Lithobates septentrionalis*, in the Adirondack Park, NY, with notes on conducting experimental research*. **Herpetological Review** 43: 396-397.
8. Popescu, V.D., B.S. Brodie*, M.L. Hunter, and J.D. Zydlewski. 2012. *Use of olfactory cues by newly metamorphosed wood frogs (*L. sylvaticus*) during emigration*. **Copeia** 3: 424-431.
7. Popescu, V.D. and M.L. Hunter. 2011. *Clearcutting affects habitat connectivity for a forest amphibian by decreasing permeability to juvenile movements*. **Ecological Applications** 21: 1283–1295.
6. Rozyłowicz, L., V.D. Popescu, M. Patroescu, and G. Chisamera. 2011. *The potential of large carnivores as conservation surrogates in the Romanian Carpathians*. **Biodiversity and Conservation** 20:561-579.
5. Ioja, C.I., M. Patroescu, L. Rozyłowicz, V.D. Popescu, M. Vergehet, M.I. Zotta, and M. Felciuc. 2010. *The efficacy of Romania's protected areas network for conserving biodiversity*. **Biological Conservation** 143: 2468-2476.
4. Popescu, V.D. and J.P. Gibbs. 2009. *Interactions between climate, beaver activity, and pond occupancy of the cold-adapted mink frog in New York State, USA*. **Biological Conservation** 142: 2059-2068.
3. Patroescu, M., C. Ioja, V.D. Popescu, and R. Necsuliu. 2004. *Noise pollution generated by road traffic in Bucharest*. Proceedings of CODATU International Conference XI Bucharest 1:1-7
2. Popescu, V.D., S. Petrovan, and R. Necsuliu. 2003. *Analysis of *Vipera ammodytes* species distribution in the Iron Gates Natural Park, Romania*. Proceedings of the 1st International Conference on Environmental Research and Assessment Bucharest 1:27-33
1. Rozyłowicz, L., C. Tetelea, and V.D. Popescu. 2003. *Assessing the distribution of Hermann's tortoise (*Testudo hermanni boettgeri* Mojsisovics, 1888) in the Iron Gates Natural Park, Romania*. Proceedings of the 1st International Conference on Environmental Research and Assessment Bucharest 1:365-374

GRANTS

- 2022-24 Indiana Department of Natural Resources – *Assessment of ecosystem services and economic disservices from carnivores – a metagenomic approach*, co-PI with Diego Alvarado Serrano (\$242,772)
- 2022-23 Ohio University Research Committee - *Bioaccumulation of neonicotinoid pesticide Imidacloprid in hemlock leaf litter and its effects on forest amphibians* (\$8,000)
- 2022-23 Rural Action (subaward via Muskingum Watershed Conservancy District) – *Assessment of hellbender habitat and water quality in the Walhonding Watershed* (\$17,000)
- 2021 Ohio University Undergraduate Research Discretionary Fund – *Engaging undergraduate students in amphibian surveys on the Wayne National Forest* (\$3000)
- 2021-23 Romanian Ministry of Education and Research – *Assessment of trophic relations in a terrestrial carnivore guild in the Romanian Carpathians*, PI (\$105,000)
- 2020-21 BC Hydro, Canada – *Environmental assessment of future renewable energy resources in British Columbia*, co-PI, with Wendy Palen, Simon Fraser University (\$42,700)
- 2019-20 US Forest Service – *Wayne National Forest Integrated Assessment*, co-PI (\$122,930)
- 2018-20 Ohio University 1804 Fund grant - *OHIO Aquatic Research Mesocosm Facility*, PI (\$50,000)
- 2018-21 Ohio Department of Natural Resources - *Developing monitoring methods for an endangered amphibian, the Eastern Hellbender (Cryptobranchus alleganiensis)*, PI (\$109,000)
- 2018 Ohio University Research Committee - *Developing population monitoring tools for the endangered Eastern Hellbender salamander*, PI (\$8,000)
- 2017-21 Ohio Department of Natural Resources - *Developing a Population Viability Analysis for Ohio's bobcat (Lynx rufus) population*, PI (\$245,000)
- 2017-18 US Forest Service - *Spotted Owl Population Dynamics in the Central Sierra Nevada*, sub-award, with PI Dr. Zach Peery, University of Wisconsin, Madison (\$10,500)
- 2016-18 Harvard Global Initiative - *Developing an innovative and efficient performance indicator for biodiversity protection in Chinese Nature Reserves*, Collaborator, PI's Dr. Douglas Yu, Kunming Institute of Zoology, and Dr. Naomi Pierce, Harvard University (\$200,000)
- 2016-18 National Science Foundation of China – *Rapid biodiversity assessment in Chinese protected areas using iDNA*. Co-PI, with Dr. Douglas Yu, Kunming Institute of Zoology (\$75,000)
- 2016 Ohio Department of Transportation – *Deer ecology at Nelsonville Bypass, Ohio*. Co-PI, with Dr. Willem Roosenburg and Dr. Shawn Kuchta (\$19,000)
- 2015-17 Romanian Ministry of Education and Research – *Incorporating sources of uncertainty in large carnivore management and conservation in Romania*. PI (University of Bucharest) (\$138,312)
- 2015 NSERC Engage research grant - *Characterizing wind and small hydropower energy development in BC*. PI (with Dr. Wendy Palen at Simon Fraser University and BC Hydro) (\$25,000)
- 2012-15 Gordon and Betty Moore Foundation & Wilburforce Foundation – *Tradeoffs between small hydropower development and conservation targets in British Columbia, Canada*. Co-PI with Dr. Wendy Palen (Simon Fraser University) (\$836,000)
- 2011-14 Romanian Ministry of Education and Research – *Multi-scale spatial planning for conservation: accounting for habitat dynamics and uncertainty in planning inputs*. Co-PI, with Dr. Laurentiu Rozylowicz (University of Bucharest, Romania) (\$236,000)
- 2010-13 Northeastern States Research Cooperative – *Assessing the potential effects of changes in climate on the range and long-term persistence of the Mink Frog, Lithobates septentrionalis, in the Northern Forest*. co-PI, with Dr. David Patrick (Paul Smith's College, NY) and Dr. Elizabeth Harper (SUNY-ESF, Syracuse, NY) (\$63,000)
- 2006 Sussman Foundation Grant – *Predictors for mink frog occurrence in New York State* (\$3500)
- 2004-06 Romanian Ministry of Education and Research – *Natural Capital Assessment in Southwestern Carpathians National Parks, Romania* (\$6000)
- 2005 MATRA/KNIP Small Nature Projects – *Saving the amphibians of Semenic National Park* – with Societas Herpetologica Romaniae (€5200)
- 2004 Rufford Small Grant – *Monitoring of the amphibian fauna of Semenic National Park, Romania* (£4800)
- 2003 Rufford Small Grant – *Monitoring of the reptile fauna of Semenic National Park, Romania* (£3500)
- 2003 Balkan Environmental Association (B.EN.A.) – *Vipera ammodytes conservation in the Iron Gates Natural Park, Romania* (\$500)

GRADUATE STUDENT and POSTDOC MENTORING

- **Ohio University – Postdoc:** Dr. Florina Stanescu (2018 Romanian Fulbright Scholar), Dr. Chris Baker and Dr. Yuanheng Li (co-advised with Naomi Pierce at Harvard university and Douglas Yu at Kunming Institute of Zoology, China); **MSc:** Heidi Bencin (2018), Nicole Weigand (2018), Ryan Brown (2022), Samuel Mathes; **PhD:** Cassandra Thompson (2022), Matthew Kaunert, Marissa Dyck, Courtney Silver-Peavey; **Honors theses:** Mackenzie Rich (2017), Megan Sweeney (2019), Ryan Wagner (2019), Madeline Kenyon (2022), Andrew Connolly (2022)
- **University of Bucharest (co-advisor) – Postdoc:** Dr. Ruben Iosif (2015-17), Dr. Mihai Pop (2020-21); **PhD:** Mihai Pop (2019), Iulia Miu (2019)

Grants and fellowships of graduate students (selection):

Ryan Brown, Ohio University PhD student – 2021 Student Enhancement Award (\$6,000)
Courtney Silver-Peavey, Ohio University PhD student – 2021 Student Enhancement Award (\$6,000)
Cassandra Thompson, Ohio University PhD student – NSF Graduate Research Fellowship (NSF-GRFP) *Climate change impacts on anuran populations* (3 years of stipend + tuition support; \$120,000);
Marissa Dyck, Ohio University PhD student – 2020 Student Enhancement Award (\$6,000)
Marissa Dyck, Ohio University PhD student – NSF Graduate Research Fellowship (NSF-GRFP) Honorable Mention – *Carnivore interactions in USA and Europe*;
Matthew Kaunert, Ohio University PhD student – 2019 Student Enhancement Award (\$6,000)
Heidi Bencin, Ohio University MSc student – Ohio Center for Ecology and Evolution Fellowship (Fall 2017)
Heidi Bencin, Ohio University MSc student – 2017 Student Enhancement Award (\$6,000)
Marcel Weigand, Ohio University MSc student – 2017 Student Enhancement Award (\$6,000)

PROFESSIONAL PRESENTATIONS (partial listing; 2010 onwards)

V.D. Popescu. *Implications of road mortality for the population viability of recovering bobcats in Ohio*. 27th Meeting of The Wildlife Society, Virtual conference, 28 September - 2 October 2020
V.D. Popescu. *Habitat selection and landscape planning for brown bears in Romania*. 10th International Association for Landscape Ecology (IALE) World Congress, Milan, Italy 1-5 July 2019
V.D. Popescu, H. Bencin. *Where the bobcat meets the road: predicting road mortality for Ohio's bobcats*. Annual Ohio Wildlife Conference, Columbus OH, 18 January 2019 (invited)
Bencin, H., V.D. Popescu. *Conserving carnivore populations in areas with dense road networks*. 25th Meeting of The Wildlife Society, Cleveland OH, 7-11 October 2018
Thompson, C., V.D. Popescu. *Carryover effects and climate change impacts on pond-breeding amphibians*. North American Congress for Conservation Biology, Toronto, Canada, 13-16 July 2018
Weigand, M., V.D. Popescu. *Impacts of roads on Eastern Box Turtle space use and physiology*. North American Congress for Conservation Biology, Toronto, Canada, 13-16 July 2018
Popescu, V.D., M.I. Pop, R. Iosif, A. Miu, L. Rozyłowicz. *Habitat conservation priorities for brown bears in the Romanian Carpathians*. 24th Meeting of The Wildlife Society, Albuquerque, NM, 23-27 September 2017
Popescu, V.D., K. Artelle, M.I. Pop, S. Manolache, L. Rozyłowicz. *Assessing biological realism of wildlife population estimates in data-poor systems*. 23rd meeting of The Wildlife Society, Raleigh NC, 15-19 October 2016
Popescu, V.D., R. Munshaw, F. Pouzols, W. Palen, P. Gibeau, M. Horne, A. Moilanen. *Reconciling biodiversity conservation and renewable and unconventional energy development*. 27th International Congress for Conservation Biology, Montpellier, France, 2-6 August 2015
Popescu, V.D., W. Palen, R. Munshaw, E. Dubman. *Planning for hydropower development: Tradeoffs between species conservation and small hydropower development in British Columbia*, North American Congress for Conservation Biology, Missoula, MT, 13-16 July 2014
Palen, W., V.D. Popescu, R. Munshaw, E. Dubman. *Perspectives on small hydropower development in North America*, North American Congress for Conservation Biology, Missoula, MT, 13-16 July 2014
Popescu, V.D., M. Pop, L. Berde and S. Chiriac. *Comparing two techniques for rapid assessment of brown bear abundance in Romania*. International Bear Association Conference, Provo, UT, 15-20 September 2013
Popescu, V.D., L. Rozyłowicz, D. Cogalniceanu, A. Cucu, and I. Niculae. *Moving into protected areas? Setting priorities for conservation for Romanian reptiles and amphibians at risk from climate change*. 26th International Congress for Conservation Biology, Baltimore, MD, 21-25 July 2013

- Popescu, V.D., W. Palen, E. Dubman, R. Munshaw. 2013. *Trade-offs between small hydropower development and species conservation in British Columbia*. 8th Annual Meeting of the Canadian Society for Ecology and Evolution, Kelowna, BC, 12-15 May 2013
- Popescu, V.D., W. Palen, E. Dubman. *Reaching consensus: Province-wide trade-offs between Run-of-River development and environmental conservation in British Columbia*. "Adding It All Up" Conference on Cumulative Effects, Smithers, BC Canada, 14-16 November 2012
- Popescu, V.D., P. de Valpine, D. Tempel, M.Z. Peery. *Estimating population impacts via dynamic occupancy analysis of Before-After Control-Impact studies*. 97th Annual Meeting of the Ecological Society of America, Portland, OR, 5-10 August 2012
- Rozyłowicz, L., V.D. Popescu. *Habitat selection and movement ecology of Eastern Hermann's tortoises in a rural Romanian landscape*. 97th Annual Meeting of the Ecological Society of America, Portland, OR, 5-10 August 2012
- Popescu, V.D., B.B. Cline, M.L. Hunter. 2012. *Amphibians in complex landscapes: Effects of forestry and urbanization on juvenile movements*. 7th World Congress of Herpetology, Vancouver, BC, 8-14 August 2012.
- Popescu V.D., A.M. Kissel, M. Pearson, W.J. Palen, P. Govindarajulu, C.A. Bishop. *Habitat selection by Oregon spotted frogs (Rana pretiosa) in British Columbia, Canada*. 7th World Congress of Herpetology, Vancouver, BC, 8-14 August 2012.
- Popescu, V.D. and M.L. Hunter. *Forest succession and amphibian migration: implications for landscape connectivity*. 24th International Congress for Conservation Biology, Edmonton, Canada, 3-7 July 2010 (*Student Awards finalist*)

INVITED PRESENTATIONS and OUTREACH (partial listing)

- "Bobcats, hellbenders, and snakes, oh my...: wildlife conservation in SE Ohio"* – Athens Area Birders and Ohio Division of Wildlife, Athens OH (Feb 2020)
- "Managing forests for wildlife"* – Ohio State University Extension and Ohio DNR 'A Day In The Woods' OH landowners meeting (Nov 2018)
- "Wildlife conservation in Ohio – science, policy and society"* - Environmental Studies Colloquium, Voinovich School of Leadership and Public Affairs, Ohio University (Sep 2018)
- "Challenges for conserving biodiversity in a changing world"* – Science Café, Ohio University (Jan 2018)
- "Brown bear ecology and conservation in Romania"* – University of Akron, Biological Sciences Departmental Seminar, (Sep 2017)
- "Environmental decision making; bridging the gap between science and policy"* – Environmental and Plant Biology seminar series, Ohio University, (4 Nov 2016)
- "Wildlife conservation in a changing world"* - Environmental Studies Colloquium, Voinovich School of Leadership and Public Affairs, Ohio University (15 Sep 2016)
- "Tradeoffs between species conservation and renewable energy development in BC"* - WWF Canada, Vancouver BC (January 2014)
- "Balancing renewable energy development and conservation in British Columbia"* - Clean Energy BC, Consortium of Energy Producers, Vancouver BC (September 2013)
- "Reaching consensus: Province-wide trade-offs between Run-of-River development and environmental conservation in British Columbia"* - WWF Canada, Vancouver BC (December 2012)
- "Evaluating environmental impacts on wildlife: a hierarchical approach"* - Environment Canada, Research and Technology Branch Pacific Region, Delta BC (February 2012)
- "Meeting the goals of forest management while protecting vernal pool-breeding amphibians"* - training for Plum Creek Maine foresters, Bingham, ME (June 2010)
- "Effects of forest fragmentation on the dispersal success of vernal pool-breeding amphibians in Maine"* – Maine Association of Wetland Scientists, Hallowell, ME (May 2009)
- "Effects of forest fragmentation on the dispersal success of vernal pool-breeding amphibians in Maine"* – The Wildlife Society Penobscot Chapter, Brewer, ME (April 2009)
- "Conservation of biodiversity in Romania"* – The Wildlife Society and Society for Conservation Biology Student Chapters, Orono, ME (February 2008)
- "Climate change effects on mink frogs potentially alleviated by beavers in New York State"* – The Wildlife Ecology Departmental Seminar Series, University of Maine, Orono, ME (September 2007)

Guest lectures

Department of Biological Sciences, Ohio University (April 2017, 2018) *Wildlife conservation in a changing world* – course: Animal Diversity; instructor: Karen Mammone

Department of Biological Sciences, Ohio University (April 2016) *Wildlife conservation in a changing world* – course: Biodiversity and Conservation; instructor: Molly Gurien

Department of Biological Sciences, Simon Fraser University (April 2013) *Is green energy green? Exploring tradeoffs between small hydropower development and conservation targets in BC* – course: Conservation Biology; instructor: Dr. David Green

Department of Wildlife Ecology, University of Maine (December 2010) *Large carnivore conservation in Romania: effects of a prematurely expanding protected areas network* – course: Introduction to Wildlife Ecology; instructor: Lindsay Seward

Department of Wildlife Ecology, University of Maine (November 2007) *Climate change effects on mink frogs potentially alleviated by beavers in New York State* – The Wildlife Ecology Departmental Seminar Series

Department of Environmental and Forest Biology, SUNY-ESF (March 2006) *Biodiversity conservation in Eastern Europe: Examples from Romania* – course: Introduction to Conservation Biology; instructor: Dr. James P. Gibbs

LEADERSHIP and MENTORING (partial listing)

2016-21 Ohio University Wildlife Club – academic mentor

2014 BC Run of River Decision Support Tool – lead organizer of 4 multi-stakeholder meetings, Vancouver BC

2014 organizer of symposium “*The opportunity and challenges of distributed renewable energy in North America*”, NACCB 2014, Missoula MT

2013 co-organizer of the **Conservation Leadership Workshop**, ICCB 2013, Baltimore (25 conservation practitioners)

2012-13 co-author of the Smith Fellows **Policy Statement on Hydraulic Fracturing** (sent to US EPA, US DOI and US DOE)

2011-13 Simon Fraser University and University of Bucharest: advisor/mentor for 1 Honours Thesis, 2 MSc students and 5 undergraduate research projects

2009-11 Graduate Mentor: Wildlife Ecology Undergraduate Mentoring Group, University of Maine

2009 Organizer of student workshop *Amphibians and reptiles of Maine*, The Wildlife Society Northeastern Student Conclave, Schoodic, ME

2002-13 Founder and vice-president of the environmental NGO Societas Herpetologica Romaniae

PROFESSIONAL SERVICE (partial listing)

Current **Senior Editor**: Scientific Reports
Associate Editor: Conservation Science and Practice
Reviewer: Global Change Biology, Conservation Biology, Conservation Letters, Ecological Applications, Biological Conservation, Environmental Management, Freshwater Biology, PLoS ONE, Acta Oecologica, European Journal of Wildlife Research, Wetlands, North-Western Journal of Zoology, Amphibia-Reptilia

2014-15 Member of Scientific Advisory Board: *Freshwater Threat Assessment in Canada* (WWF Canada)

2012-14 Member of Scientific Advisory Board: *Independent review of ecological impacts from small hydropower projects in BC* (led by the Pacific Salmon Foundation, Vancouver BC)

2014 Participant and presenter in workshop on *Conservation values assessment for renewable energy in Canada* (WWF Canada, 24 Jan. 2014)

2011-14 Romanian National EPA - Science Advisor for a project on large carnivore conservation in the Romanian Carpathians, <http://www.lifeursus.carnivoremari.ro/home.php>

2013 Reviewer of extended abstracts and judge of *Student Awards Finalists*, ICCB 2013, Baltimore

OTHER TRAINING (part of the David H. Smith Fellowship)

Media and policy workshop – Washington DC – January 2014

Business thinking in conservation – Hakai Beach Institute, Calvert Island, BC – August 2013

Storytelling workshop – Sylvandale Ranch, CO – April 2013

Popular writing – New Orleans, LA – January 2013

Conservation leadership – North Cascades Institute, WA – August 2013

Professional facilitation – Schoodic Education and Research Center at Acadia National park, ME – May 2012

PROFESSIONAL AFFILIATIONS

Society for Conservation Biology (since 2007; life member)

The Wildlife Society (since 2016)

Ohio Wildlife Management Association (since 2017)

International Association for Landscape Ecology (since 2019)