

## 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](mailto: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

- 2016 - Present** *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/](http://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 students)  
 BIOS 4770/5770 *Population Ecology* (3 CR; 25 students)  
 BIOS 3740 *Wildlife Habitat Management* (3 CR; 25 students)  
 BIOS 7970 *Seminar in Conservation Biology* (2 CR; 10 students)  
 CAS 1415 *Introduction to Sustainability* (3 CR, 30 students)
- Spring 2015 University of Bucharest, Master Program in Integrated Environmental Assessment – *Scientific writing and communication* (4 CR; 31 students)
- Spring 2014 Simon Fraser University – *Renewable energies and Biodiversity: Conflicts and opportunities* (undergraduate seminar; 2 CR; 36 students)
- Spring 2007 SUNY-ESF – *Introduction to Conservation Biology* (3 CR; 85 students) - Teaching Assistant
- Spring 2007 SUNY-ESF – *Geographic Modeling* (3 CR; 12 students) - Teaching Assistant
- Fall 2006 SUNY-ESF – *Herpetology* (4 CR; 93 students) - Teaching Assistant
- Summer 2006 SUNY-ESF, Cranberry Lake Biological Station – *Ecological Monitoring: techniques for Herpetology* (1-week field course; 60 students)
- Spring 2002 University of Bucharest – *Geographic Information Systems* (3 CR; 20 students)

### 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. **Fundamentals of Conservation Biology, 4<sup>th</sup> edition, Wiley Publishing (due for publication March 2021)**
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)

#### **Under review**

- Thompson, C.M.\* and V.D. Popescu (revision) *Complex hydro-period induced carryover responses for survival, growth, and endurance of pond-breeding amphibians*. **Oecologia**
- Yinju, J., C.C.M. Baker, L. Yuanheng, V.D. Popescu, J. Wang, L. Wang, C. Wu, C. Hua, C. Yang, C.C.Y. Xu, Q. Wen, N.E. Pierce, and D.W. Yu (revision) *Large-scale quantification of vertebrate biodiversity from leech iDNA in Ailaoshan Nature Reserve, China*. **Nature Communications**
- Wagner, R.B., C. Brune, and V.D. Popescu (in review) *Snakes on a lane: road mortality is influenced by land cover and traffic intensity in a road-dense area of US Midwest*. **Journal for Nature Conservation**
- Sweeney, M.R., C. Thompson\*, and V.D. Popescu (in review) *Sub-lethal exposure to neonicotinoid pesticide Imidacloprid induces behavioral changes in larval wood frogs*. **Environmental Toxicology and Chemistry**
- Dyck., M.\*, E. Wyzka\*, and V.D. Popescu (in review) *When carnivores collide: what factors drive competition between bobcats and coyotes in North America?* **Mammal Review**

#### **Published, in press, accepted**

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, W.J. Palen, E. Dubman\*, P. Gibeau\*, M. Horne, and A. Moilanen (2020) *Quantifying biodiversity trade-offs in the face of widespread renewable and unconventional energy development*. **Scientific Reports** 10(1): 7603
46. Wyzka, 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.\*, Popescu, V.D., 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., Gavrilidis 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. Iojă, C.I., M. Patroescu, L. Rozyłowicz, **V.D. Popescu**, M. Verghelut, 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. Iojă, **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 1<sup>st</sup> 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 1<sup>st</sup> International Conference on Environmental Research and Assessment Bucharest 1:365-374

## GRANTS

- |         |  |
|---------|--|
| 2021-23 | Romanian Ministry of Education and Research – <i>Assessment of trophic relations in a terrestrial carnivore guild in the Romanian Carpathians</i> , PI (\$105,000)   |
| 2020-21 | BC Hydro, Canada – <i>Environmental assessment of future renewable energy resources in British Columbia</i> , co-PI, with Wendy Palen, Simon Fraser University (\$42,700)  |
| 2019-20 | US Forest Service – <i>Wayne National Forest Integrated Assessment</i> , co-PI (\$122,930)   |
| 2018-20 | Ohio University 1804 Fund grant - <i>OHIO Aquatic Research Mesocosm Facility</i> , PI (\$50,000)   |
| 2018-21 | Ohio Department of Natural Resources - <i>Developing monitoring methods for an endangered amphibian, the Eastern Hellbender (<i>Chryptobranchus alleghaniensis</i>)</i> , PI (\$109,000)   |
| 2018    | Ohio University Research Committee - <i>Developing population monitoring tools for the endangered Eastern Hellbender salamander</i> , PI (\$8,000)   |
| 2017-21 | Ohio Department of Natural Resources - <i>Developing a Population Viability Analysis for Ohio's bobcat (<i>Lynx rufus</i>) population</i> , PI (\$245,000)   |
| 2017-18 | US Forest Service - <i>Spotted Owl Population Dynamics in the Central Sierra Nevada</i> , sub-award, with PI Dr. Zach Peery, University of Wisconsin, Madison (\$10,500)   |
| 2016-18 | Harvard Global Initiative - <i>Developing an innovative and efficient performance indicator for biodiversity protection in Chinese Nature Reserves</i> , 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)
- 2008 Maine Association of Wetland Scientists Grant – *vernal pool breeding amphibian research* (\$500)
- 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); **PhD:** Cassandra Thompson, Matthew Kaunert, Marissa Dyck, Courtney Silver-Peavey; **Honors theses:** Mackenzie Rich (2017), Megan Sweeney (2019), Ryan Wagner (2019)
- **University of Bucharest** (co-advisor) – **Postdoc:** Dr. Ruben Iosif (2015-17); **PhD:** Mihai Pop, Iulia Miu

#### Grants and fellowships of graduate students (selection):

- 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*. 27<sup>th</sup> 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*. 10<sup>th</sup> 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*. 25<sup>th</sup> 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*. 24<sup>th</sup> 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*. 23<sup>rd</sup> 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*. 27<sup>th</sup> 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*. 26<sup>th</sup> 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*. 8<sup>th</sup> 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*. 97<sup>th</sup> 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*. 97<sup>th</sup> 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*. 7<sup>th</sup> 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*. 7<sup>th</sup> 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*. 24<sup>th</sup> 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)**

2017-20 Ohio University "Defend Our Future" – academic mentor

2016-20 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  
              **Review Editor:** Global Change Biology  
              **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; elected position)  
International Association for Landscape Ecology (since 2019)